



**Austin College  
Bulletin  
2012-2013**

# Accreditation

Accreditation

A coeducational liberal arts college founded in 1849.

Sherman, Texas

Colors: Crimson and Gold

## Accreditation and Memberships

**Austin College** is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools, 1866 Southern Lane, Decatur, Georgia 30033-4097, telephone number 404.679.4500. With the approval of the Texas State Education Agency, Austin College offers the Bachelor of Arts degree and the Master of Arts in Teaching degree. Austin College is on the approved list of the American Chemical Society and the American Association of University Women. Accreditation material is available through the Office of the President.

Austin College holds institutional membership in the American Association of Colleges for Teacher Education, American College & University Presidents' Climate Commitment, Annapolis Group, ASIANetwork, the Association of American Colleges and Universities, the Association of Governing Boards of Universities and Colleges, the Association of Presbyterian Colleges and Universities, the Association for the Advancement of Sustainability in Higher Education, the American Council on Education, the Council of Independent Colleges, the Council on Higher Education for Accreditation, the Council on Undergraduate Research, Independent Colleges and Universities of Texas, the Institute for the International Education of Students, the Institute of European Studies, the National Association of Independent Colleges and Universities, American Association of Collegiate Registrars and Admissions Officers, Southern University Conference, and Texas Association of Collegiate Registrars and Admissions Officers. The college shelters the Iota of Texas chapter of Phi Beta Kappa.

As an equal opportunity, affirmative action employer and educator, Austin College does not discriminate on the basis of age, color, disability, national origin, race, religion, sex, sexual orientation, or status as a veteran in the administration of its educational policies and programs, employment policies and practices, enrollment policies, and athletics program, as well as any other college-administered policy, procedure, practice, or program. Reasonable accommodations are made for individuals with disabilities.

# Correspondence Directory

## Austin College address and telephone numbers:

900 North Grand Avenue  
Sherman, TX 75090-4400  
903.813.2000 (Main number)  
903.813.3199 (Main fax)

For prompt handling, please address inquiries as follows:

### **Academic Affairs**

Vice President for Academic Affairs  
Suite 6D, 903.813.3008 (Fax)  
903.813.2226

### **Admission**

Vice President for Institutional Enrollment  
Suite 6N, 903.813.3198 (Fax)  
903.813.3000  
800.KANGAROO (800.526.4276)  
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### **Alumni Interests**

Executive Director of Alumni Engagement  
Suite 6G, 903.813.2415 (Fax)  
903.813.2383  
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### **Business Office**

Director of Finance  
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Director of Public Affairs  
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Assistant Vice President for  
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**Student Life Information**

Dean of Student Life

Suite 6J, 903.813.2339 (Fax)

903.813.2306

Email: [studentlife@austincollege.edu](mailto:studentlife@austincollege.edu)

**Student Affairs and Athletics**

Vice President for Student Affairs

and Athletics

Suite 61595, 903.813.2038 (Fax)

903.813.2228

**Transcripts and Academic Reports**

Registrar

Suite 6R, 903.813.2378 (Fax)

903.813.2371

Email: [registrar@austincollege.edu](mailto:registrar@austincollege.edu)

Visitors desiring interviews with members of the staff or a tour of the campus are requested to make appointments in advance.

Office of Admission

903.813.3000

800.KANGAROO (800.526.4276)

Email: [admission@austincollege.edu](mailto:admission@austincollege.edu)

# Publication Notice

## Austin College Bulletin

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The **AUSTIN COLLEGE BULLETIN** is published by Austin College and contains available announcements about courses, regulations, and costs for the 2012-2013 academic year. The Bulletin is available online at **[www.austincollege.edu](http://www.austincollege.edu)**.

The administration of the college reserves the right to make changes in the announced policies as economic conditions, efficient operation, or circumstances may require.

**AUSTIN COLLEGE BULLETIN**  
900 North Grand Avenue, Suite 6N  
Sherman, Texas 75090-4400

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# Heritage, Governance, Mission

## A Heritage Unsurpassed...

Austin College has a heritage unsurpassed in Texas higher education, a heritage that is enriched and invigorated by innovative programs, faculty, and facilities. With more than 160 years of service, Austin College has a distinguished reputation for its commitment to learning, leadership, and lasting values.

Dr. Daniel Baker, principal organizer of the college in 1849, was a Princeton-educated Presbyterian missionary. From its founding by Brazos Presbytery, Austin College has been related to the Presbyterian Church, and that relationship has given distinctive flavor to its rich and influential history.

With General Sam Houston and Anson Jones, presidents of the Republic of Texas, on the original Board of Trustees, Austin College was granted a charter in November 1849. This charter was modeled after those of Harvard, Yale, and Princeton and is still in use today. The college opened in Huntsville and admitted its first class in the fall of 1850.

In 1876, Austin College moved to Sherman. Austin College became coeducational in 1918. Then in 1930, the college merged with Texas Presbyterian College, an institution for women. Expansion and development were interrupted by the Depression and World War II. Beginning in the 1950s, the college engaged in extensive experimentation aimed at improving the traditional liberal arts curriculum. In 1972, the college began to install the comprehensive educational program that with some modifications still shapes the academic life and curriculum of the college.

Today, Austin College's fully networked 70-acre campus is characterized by excellent facilities that include both historical structures and modern architecture. Most recently the newly constructed Betsy Dennis Forster Art Studio Complex, which houses programs in art and art history, was dedicated in spring 2008. Other new facilities include the John A. and Katherine G. Jackson Technology Center, which supports instructional technology for faculty and students, and the Robert J. and Mary Wright Campus Center, which provides a modern home for student activities and social events.

Located within 30 minutes driving distance, the Robbie Kubela Rogers Lake Campus of Austin College is situated on Lake Texoma and is used by members of the college community for recreational activities, retreats, meetings, and camping. The college also operates five environmental research areas in Grayson County.

In December 2004, Austin College successfully completed the \$120 million "Campaign for the New Era," the most ambitious fund-raising campaign in the history of the college. Through the campaign, the college strengthened endowment for scholarships; added new faculty positions through endowed chairs and professorships; created the Robert and Joyce Johnson Center for Faculty Development and Excellence in Teaching; strengthened interdisciplinary programs by enhancing the Center for Environmental Studies, the Center for Southwestern and Mexican Studies, and the Posey Leadership Institute. In 2009, the college established the Center for Global Learning to focus and coordinate its many international study programs ranging from study abroad to the new Global Outreach (GO) Fellowship program. In spring 2012, Austin College presented its Posey Leadership Award to Marian Wright Edelman, as its seventh recipient. Two new student housing projects were completed for the start of Fall Term 2011 and construction was begun in summer 2011 on the college's IDEA Center, which will house programs in biology, chemistry, computer science, environmental studies, mathematics, and physics.

# General Information

## Governance

As specified by Austin College's charter from the State of Texas, the Board of Trustees has ultimate responsibility for the college's policies, resources, and programs. Through a covenant with the Synod of the Sun of the Presbyterian Church (U.S.A.), the trustees pledge that Austin College will continue to serve as an instrument for the church in higher education both by fostering an understanding of the Judeo-Christian tradition and by reflecting the values of that tradition. The Board of Trustees evaluates the operation of the institution and delegates to the president, the chief executive officer, the overall responsibility for its operation.

## Mission of Austin College

Austin College is a private, residential, co-educational college dedicated to educating undergraduate students in the liberal arts and sciences while also offering select pre-professional programs and a graduate teacher education program. Founded by the Presbyterian Church in 1849, Austin College continues its relationship with the church and its commitment to a heritage that values personal growth, justice, community, and service. An Austin College education emphasizes academic excellence, intellectual and personal integrity, and participation in community life. Thus Austin College affirms the importance of:

- \* A community that through its size, diversity, and programs fosters lively intellectual and social interaction among persons of different origins, experiences, beliefs, accomplishments, and goals
- \* A program that does not discriminate with regard to religion or creed, gender, sexual orientation, national or ethnic origin, physical disability, age, or economic status
- \* A faculty that acknowledges teaching, sustained by active commitment to professional growth and development, as its primary responsibility
- \* A student body of committed learners, actively involved in the programs of the college and in service to the greater community
- \* A climate of civility and respect that encourages free inquiry and the open expression of ideas
- \* A non-sectarian education that fosters the exploration and development of values through an awareness of the world's religious, philosophical, and cultural traditions

The mission of Austin College is to educate students in the liberal arts and sciences in order to prepare them for rewarding careers and for full, engaged, and meaningful lives.

# Campus Life, Principles, Residence Life

## Campus Life

A community of students, faculty, staff, and administrators reflects the values of caring, respect, responsibility, gratitude, and service. The collective members identify and support the needs of the students and the program goals of the college. Not only do students have opportunities for involvement in a wide range of activities, including residence life, campus publications, religious affairs, cultural conferences, leadership training programs, social and recreational activities, service programs in the community, student organizations, and athletics, they also participate in the administration and operation of programs.

### College Principles

In 1981, the Board of Trustees reaffirmed the college community's principles of integrity and of responsibility to shared commitments and standards. These principles continue to be vital to the operation of the college and are integral to its educational philosophy. Central to this philosophy are the concepts of individual development and responsibility, commitment to community and profession, and centrality of learning, faith, and values. The principles provide guiding ideals from which standards of conduct are derived for each of the groups that constitute the active college community—students, faculty, administrative staff, and support staff. Although the principles are common to all, their translation into specific standards, rules, and policies depends upon the special roles and responsibilities that the members of each group assume in an academic community. Professional standards and obligations further strengthen and support the principles of the whole community, which constitute the foundation of the college's judicial structure. The standards, rules, and policies of the community's four primary constituent groups comprise the cornerstones for that structure.

With the revision of the judicial system in 1988-1989, Austin College reaffirmed its commitment to the ideal of community membership, to individual responsibility, common goals and expectations, and the highest standards of integrity. The college also has recognized the special roles and responsibilities of its constituencies and has affirmed the specific standards and codes of conduct of the groups. These commitments and affirmations are expressed in two fundamental statements of principle:

**The College Principle of Shared Commitments and Purposes:** Persons who participate in the life of Austin College—as students, faculty, or staff—are expected to support the shared commitments and purposes of the college as expressed in the Charter, the Mission Statement, and the Statement of Commitment and Principles. Individuals also are expected to abide by the shared standards of the college community and the standards and codes of conduct of their respective groups within the community. The commitments, purposes, and standards of the college and its constituent groups are central to the partnership between individual members and the institution.

**The College Principle of Integrity:** It is the responsibility of each individual to act with honesty and integrity in personal, social, and academic relationships, and with consideration and concern for the entire college community and its members. Individuals and groups should not engage in conduct which causes harm to other individuals or the community as a whole.

**Academic Integrity Principle:** In keeping with its educational mission, Austin College places a high value on academic integrity and does not tolerate cheating and other forms of abuse of the academic process. The faculty and officers of the college assume that entering students, in accepting admission to Austin College, are aware that they will submit themselves to a high standard of academic honesty, and agree to follow the norms and procedures by which the college observes and enforces this standard.

The judicial policies of the college for students, faculty, and staff are contained in the college's Operational Guide. These policies include the "Non-Academic Code of Student Conduct," "Student Academic Integrity Policy and Procedures," "Student/Instructor Disagreements on Course-Related Issues," "Judicial Guidelines and Procedures for the Faculty," and the "Policy on Sexual Harassment, Sexual Assault, and Sexual Violence," which apply to the entire campus. The Operational Guide also includes judicial policies and procedures for administrative and support staff. Policies that pertain to students also are described in Environment (the student handbook) and Outback Guide. The Outback Guide serves as a communication tool providing faculty, staff, and students with campus-wide information including campus crime statistics, affirmative action statement, sexual harassment policy, and graduation rates. These policies also are accessible on the Austin College Web site.

**Statement on Harassment and Discrimination:** Austin College is committed to the development of a community based on respect for individual rights, personal and community integrity, and individual responsibility. Given these commitments, students, faculty, and staff acknowledge that discrimination and/or harassment based on age, disability, national origin, race, religion, or status as a veteran is unacceptable. While not a protected category under federal law, discrimination and/or harassment based on sexual preference is similarly unacceptable. Discrimination or harassment may take many forms, including, but not limited to, verbal insults, defacement or destruction of property, and physical intimidation. To fulfill its mission as a church-related, liberal arts institution, Austin College encourages a climate that values the uniqueness of the individual, celebrates human differences, and discourages bigotry in all forms.

Students who believe they have experienced harassment or discrimination for any reason may seek recourse by conferring with the director of Student Life (Wright Campus Center 201, ext. 2306). Complainants will be informed and advised regarding their options to seek an informal resolution or to file formal charges. An informal resolution may be sought with the assistance of the vice president for Student Affairs and Athletics. If the student wishes to file formal charges or an attempt to reach an informal resolution is not successful, charges will be processed through the appropriate disciplinary procedures for students, faculty, support staff, or administrative staff.

Faculty and staff who believe they have experienced harassment or discrimination shall follow the procedures outlined in the respective judicial policies in the Operational Guide or work through the director of Student Life if a student is involved.

Students, faculty, and staff who believe they have experienced sexual harassment may contact any vice president, the director of Student Life, or the director of Human Resources. If a complaint is made to anyone else, the complainant risks the possibility that it will not come to the attention of the appropriate authorities and may, therefore, not be acted upon. The Sexual Harassment Committee provides educational programs for the Austin College community.

## Residence Life

The philosophy of education supported by Austin College encompasses the whole person. It recognizes the importance of social and physical development as well as intellectual development. Significant growth and development are found in the association and interaction of individuals in the residence hall community. Residential living and other campus-wide experiences offer intentional, active learning opportunities and events to support and encourage students' development.

Students admitted as first-year matriculants, with a C/I year assignment, must live in on-campus housing designated by Austin College for a minimum of six 14-week semesters, including January Term, or the equivalent of three academic years. Students admitted as transfer matriculants, without C/I year assignment, must live in on-campus housing designated by Austin College for a minimum of four 14-week semesters including January Term, or the equivalent of two academic years.

Each long semester during which a student is enrolled full time studying abroad in a location that is approved and documented by Austin College will count toward the number of semesters necessary to fulfill the Austin College residency requirement.

All students residing in on-campus housing are expected to be enrolled for the full-time equivalent of no less than three courses. Students residing in on-campus housing must subscribe to a meal-plan membership as provided by the college. All entering new students (freshmen) will be assigned at least a 7-day meal plan.

Exemption to the college residency requirement may be granted for those full-time students who are either married or have legal custody of a child that lives with him/her. Students who are 24 years of age or older at the time of matriculation will be granted a waiver of the Austin College residency requirement. Such exemptions will be granted upon receipt of related documentation and the completion of the Austin College Intent to Live Off Campus form. For further information, see Financial Aid section.

There are five residence halls on campus. Caruth is designated as a women's residence, while Baker houses male students. Dean Hall, Clyce Hall, and Jordan Family Language House are coeducational residences. The college operates Bryan Apartments, The Flats at Brockett Court, Johnson 'Roo Suites, and The Village on Grand, which are available to juniors, seniors, and graduate students.

A limited number of rental units are available for juniors, seniors, and graduate students in college-owned properties near the campus. For information concerning these properties and applications for rental of these units, contact the Physical Plant, 903.813.2208.

**Assignment of Rooms:** A housing application is sent after an applicant has paid the matriculation fee. However, before making the actual residence hall assignment, the college must have received the student's eighth semester high school transcript, the deposit, a housing contract, and the Myers Briggs inventory. Notification of roommate assignment generally occurs in late June.

**Description of Rooms:** Most rooms in the residence halls are double occupancy, with the cost higher for a single room, if available. Freshmen and sophomores are expected to have roommates. Each room is furnished with the following items per occupant: a single bed, desk, chair, chest, wardrobe/closet, and a high-speed computer network port. Students must provide all linens and any other accessories. Electronic card-operated laundry facilities exist in all residential facilities. All correspondence concerning assignment of rooms in the residence halls should be addressed to the Student Life Office.

**Residence Hall Staff:** Residence halls are staffed by professional area coordinators, student resident assistants (RAs), and student resident managers (RMs). Area coordinators live in one of the residential facilities that they supervise and are responsible for the overall operation of the halls. RAs are generally assigned to living areas that have a concentration of first-year students so that they can facilitate adjustment to college by serving as a positive peer influence. RAs assist all students in the residence hall with a range of concerns. Resident managers staff Jordan Family Language House and the Johnson 'Roo Suites/Bryan Apartments complex. The staff, as well as the hall councils, assists in providing social activities, recreational events, educational programs, and other experiential learning opportunities that encourage student success.

**Residence Hall Government:** All residence halls are organized using a similar general pattern. The elected hall officers represent residents in planning social functions, designing and maintaining an environment conducive to living and learning, and working to secure the extra services or equipment requested by the residents. The Residence Hall Council assumes some of the responsibility for the organized activities of the hall/complex by implementing guidelines and for helping to enforce regulations within the hall.

Additional information about residence life can be found in the student handbook, Environment, or by contacting the Student Life Office.

# Athletics

## Athletics

Austin College encourages competition in intercollegiate athletics and participation in intramurals, club sports, and outdoor recreation, and considers these activities an important component of the college's educational program. The college affiliates nationally with the NCAA Division III and competes as a member of the Southern Collegiate Athletic Conference (SCAC) a non-scholarship athletic conference comprised of national liberal arts Division III colleges in Colorado, Louisiana and Texas.

Intercollegiate varsity sports for men include football, baseball, basketball, tennis, swimming and diving, and soccer. Similarly, women compete in basketball, volleyball, tennis, swimming and diving, soccer, and softball.

The intercollegiate athletic program is totally non-scholarship. All decisions concerning financial aid in any form are made without regard to student athletic ability or participation. Each intercollegiate participant must meet all NCAA Division III eligibility standards and must be a full-time student. Students are not eligible to represent their team in intercollegiate athletic competition during the period of any type of probation or deferred suspension, unless a specific exception was included in the written notice of probation or deferred suspension.

In addition to physical activity courses and athletics, students may participate throughout their college years in various recreational and intramural activities. Intramural programs in a variety of sports and other leisure activities exist for both men and women throughout the year.

# Religious Programs

## Religious Programs

Austin College's historic and ongoing relationship to the Presbyterian Church (U.S.A.) may be most fully seen through discussion of what that relationship enables the college to offer—to students, to the church, and to the world. In addition to being well-informed critical thinkers, graduates should be ethically, socially, and spiritually mature.

For this reason, Austin College provides a variety of religious life programs that encourage spiritual growth and seek to meet the spiritual needs of the entire community. Through weekly worship services, Bible studies, discussion groups, lecture series, and other activities involving Christian and non-Christian students, the religious life program seeks to support and take seriously the spiritual lives and growth of all students.

The religious life program also includes the Service Station, a student-led program that coordinates participation by Austin College students, faculty, and staff in community service projects.

The religious life program includes the ACTivators, a group of students who provide leadership for regional and national Presbyterian Church (U.S.A.) youth ministry events, as well as the regular publication of the AColyte, a "Journal of Faith, Doubt, and Other Things at Austin College."

Benefactors have endowed two religious lectureships. The Robert Girard Lowe lectures and the Shem Cunningham lectures bring to the campus outstanding leaders.

# Opportunities for Participation

## Other Opportunities for Participation and Involvement

**World Affairs:** Through service projects and work programs, students participate in world affairs educational opportunities. Descriptions of many summer service opportunities are on file in the Office of Church Relations and Religious Life. These may be examined and discussed with the college chaplain. Additional information about field studies and off-campus credit programs is available in the section Off-Campus Opportunities, which also describes opportunities for study abroad.

**Lectures and Convocations:** Austin College seeks to provide a balanced program of lectures addressing subjects of interest and controversy to Austin College students, faculty, staff, and to particular groups within the Austin College community. Most lectures are open to the public. Formal convocations, the occasion of major college ceremonies, i.e., Opening of School, Honors Convocation, Baccalaureate, Commencement, etc., are designed for members of the entire community as a celebration of their life together.

**Cultural Programs and Groups:** Theatre productions, music ensembles, lectures and public programs, and art exhibits offer students opportunities for cultural appreciation and involvement.

Other programs that help fulfill various needs of the college community include Homecoming events and the Community Series, cultural programming sponsored by the college and the Sherman Musical Arts Council.

Additional information about opportunities for involvement in cultural activities can be obtained by contacting the faculty chairs of the art, music, and communication studies departments.

**Service Station:** The Service Station is a student-run office that promotes the involvement of all Austin College students in volunteer and community service efforts. The program is administered by a student board that works to identify and promote service opportunities and to match interested students and student organizations with individuals and groups who need assistance. For further information, contact the Service Station on the first floor of Wright Campus Center.

**Campus Publications:** The college publishes a magazine, a campus newspaper, a literary magazine, a student research journal, and a yearbook. These publications offer opportunities for creative expression and contribute to the cultural awareness of the college community.

Student publications at Austin College are governed by policies set by the Student Publications Committee of the college. Both the *Chromascope*, yearbook, and the Austin College Observer, the campus newspaper, are directly responsible to this committee. Suspension, the literary magazine, and Acumen, the student research journal, come under these same policies, but are under the direction of the English Department with a member of that department serving as their advisor.

While these publications are funded primarily by student activity fees and the sale of advertising, each still is considered a publication of the college and the parameters of editorial policy are decided by the Student Publications Committee, with responsibility delegated to the editor and advisor of each publication to operate within the parameters. The president of the college, as publisher, has ultimate authority over the publications and their contents. However, unless extreme circumstances warrant intervention, the Student Publications Committee, the editors, and advisors retain such rights as described above.

# Student Services

## Student Services

### Counseling Services

Counseling services on a short-term basis are available to assist students in dealing with personal issues and emotional concerns. Individual counseling sessions, self-help resources, and workshops on various topics are offered on campus to assist students with their psychological well-being and individual development. Students may use this service by making a confidential appointment at Adams Center. There are no fees for these services. The counselor also is available as a resource for referral information on area professionals for long-term counseling.

### Academic Skills Center

The Academic Skills Center (ASC) provides a free academic support service for students through individual tutoring and group workshops designed to strengthen reading, writing, and study skills. Peer tutors may offer content-area tutoring, as available and as needed, in such courses as biology, chemistry, calculus, economics, and foreign language. Tutors also assist student writers as they prepare essays for classes. Tutors are available to help at any stage of the writing process, from generating ideas to reviewing a complete rough draft. The ASC staff conducts free workshops on various topics such as note-taking, time and stress management, test-taking, and writing. ASC tutors also host and facilitate group study sessions for specific classes throughout the academic year. As students prepare to apply to graduate schools, they can check out test preparation materials or receive feedback on their application letters for colleges, scholarships, and fellowships.

The Academic Skills Center's programs help students develop the learning skills and study habits they need to be successful academically at Austin College. All students, regardless of their year in school or their level of accomplishment, can benefit from the services provided by the Academic Skills Center.

### Career Services

The mission of Austin College Career Services:

**Seek.** Provide students with a framework and tools to assess Strengths, Interests, and Values

**Connect.** Guide students in their career development through Occupational Exploration, Experiential Learning, Reflection, and Networking

**Build.** Teach and coach students to strategically implement their Liberal Arts Education and personal career goals in an ever-evolving world

Ideally, students will begin this process in their first year of college, continuing over the course of their academic careers. Upon graduation, they will emerge with the requisite career/life planning skills, prepared to implement their educational experiences in the professional world.

In addition to individual advising, Career Services offers regularly scheduled workshops and sessions tailored to students' needs using specifically designed programs for freshmen, sophomores, juniors, and seniors.

Career resources include career development literature, an informative website, and specific job and internship listings posted on Roo Connect, Job and Internship posting system. Career Services also provides access to FOCUS2 On-Line Career Management System. This program is available online and assists in assessing Interests, Personality, Values, and Skills identifying possible occupations related to a student's profile. Career

Services coordinates visits by employment recruiters and graduate/professional schools, giving undergraduates, employers, and schools a forum for interaction and discussion. Alumni also provide a great resource for Career Services through the Austin College Sherman, TX Alumni Group on LinkedIn.com. Students can contact alumni in different career fields to receive mentoring and/or internship assistance. In addition, Career Services conducts studies in employment patterns of graduates to assist current students in predicting what opportunities may be available for them.

Experiential learning opportunities are an integral way for students to gain insight into the world of work, explore vocation, and participate in servant leadership. Through Career Services, students may receive assistance in developing these off-campus experiences through the Career Study Off-Campus program and the GO Global Outreach Fellowship. Additionally, the service provides guidance on finding additional internship opportunities. More information about these unique experiential programs may be found under Off-Campus Opportunities.

## Health Services

Health Services in Adams Center is staffed by a registered nurse that will assist Austin College students in meeting their health needs. There is no charge for office visits with the nurse and over-the-counter medications are dispensed as necessary. Unless otherwise posted, local physicians conduct medical clinics in Adams Center from noon to 1 p.m. on Mondays, Tuesdays, and Fridays, and 5 to 6 p.m. on Wednesdays. Gynecology and dermatology clinics are held on Thursdays. The schedule is available on the website at <http://www.austincollege.edu/campus-life/health-services/clinic-hours-assistance/>.

Students are charged \$22 for each visit to the doctor, except the gynecologist, that charges \$28 plus any tests. Most prescriptions distributed at the clinic are \$8.00 each. Health Services does not file insurance claims for private insurance but will provide receipts so students can file their own insurance if desired. Health Services will file the claims for students that have insurance through Austin College. Students are responsible for the cost of any laboratory, x-ray, or other outpatient services ordered. Payment for clinic expenses are billed through the Business Office.

**Health Form Policy:** The health forms packet is sent after the admission deposit is paid and must be completed and returned to Adams Center, Suite 61629, prior to matriculation for new or returning students. This packet includes the following:

- Comprehensive Student Health and Disability Form (including sections for personal medical history, mental health history, disability accommodation form)
- Documentation of a physical exam completed during the previous year
- Documentation of the required immunizations as stated on the form, including proof meningitis vaccination and a negative TB test within one year of entry (if positive TB test, confirmation of negative chest x-ray or treatment is required).
- Authorization
- Insurance Waiver
- Insurance Brochure

*A Texas State Law effective 1/1/12 requires all New and Transfer Students to have documentation of receiving a Meningitis Vaccine at least 10 days prior to start of the semester. A booster is required if immunization was more than five years prior. The only exceptions to this State Law are 1) if student is 30 years of age or older 2) by affidavit or certificate signed by the students physician or 3) affidavit obtained from the Texas Department of State Health Services signed by the student stating that the student declines the vaccination for bacterial meningitis for reasons of conscience, including a religious belief. More information about a possible exemption can be found on the Austin College Health Services website <http://www.austincollege.edu/campus-life/health-services/immunizations/>.*

Each student is required to submit proof of health insurance. Usually a family policy provides this coverage, in which case a waiver must be submitted online at [www.academichealthplans.com/austincollege/2012-2013/](http://www.academichealthplans.com/austincollege/2012-2013/). When family health coverage is not available, Austin College offers a policy through Academic Healthplans. This policy detail and information is available at the above mentioned website. Student account will automatically be billed for the health insurance policy if proof of insurance is not provided prior to matriculation. Contact Health Services if you have questions regarding insurance. Billing will be through the Business Office.

## Library

### Library Services

The George T. and Gladys H. Abell Library Center has played and continues to play an essential role in a student's experience at Austin College since its opening in 1986. Four librarians, an archivist, and six support staff provide guidance in the use of library resources.

Reference services are available during most hours the library is open. Also, questions can be submitted by email or via the Ask-a-Librarian link on the Library's Web site. An active instruction program offers guidance in the efficient and effective use of available resources and services for all students, including a special focus for both first-year students and students engaged in writing an honors thesis.

The Abell Library Center provides spacious reading and study areas, group study rooms, individual carrels, audiovisual listening and viewing areas, a "Quiet Area," a microcomputer lab, a computer classroom, a group instruction classroom, an Archives and Special Collections Suite, and an Extended Study Room, with computers, that is open 24 hours a day.

The library's resources include a book and bound periodical collection of more than 225,000 volumes, a media collection of more than 6,000 items, and subscriptions to several thousand print and electronic periodicals. These materials are carefully selected by classroom faculty members and librarians to support the academic programs and intellectual interests of the college community. The library's Web site provides access to the library's catalog and to the links of electronic resources, free and subscribed, available to all students, staff, and faculty on campus and via authentication if off campus.

The library's holdings are supplemented by cooperative arrangements with other institutions and organizations, such as TexShare, a statewide initiative of the Texas State Library and Archives Commission. Abell Library also participates in the consortium of the Texas Council of Academic Libraries (TCAL) and the Oberlin Group, a national organization of liberal arts college libraries. Participation in these groups expands the range of services with borrowing privileges at other institutions, including interlibrary loan, and access to many scholarly databases that students and faculty find important.

## Information Technology

### Information Technology

Information Technology is an integral part of the academic environment at Austin College. The college provides generous computing resources to support the educational activities of students, faculty, and staff. The College strives to create a reliable and high performing technology environment that is flexible and supportive of the goals of academic and administrative departments and for student academic research functions.

The college is committed to having a superior academic computing program, and substantial resources are dedicated to various forms of technology. Many faculty members use computing extensively in teaching and research activities both inside and outside of the classroom. A variety of technology classrooms have been equipped with the latest technology and media devices to enhance the learning experience. Students are exposed and trained in the use of computers beginning with Communication/Inquiry and continuing with discipline-specific applications in other courses. Software applications specific to academic functions are available through the campus network and Internet. Applications include software development tools for computer science, geographical information software for the sciences, mathematical/measurement for physics, music and digital movie production for communication studies, statistical for social sciences, and instructional tools for the Education Department, to name just a few.

The campus maintains a fiber optic network to connect and provide electronic services to every student residence hall, faculty and staff office, classroom, laboratory, and common spaces. Students can connect directly from their rooms to the campus network and Internet to access a wide range of electronic resources, including email, file storage, student transcript and academic advising information, the Abell Library catalog and databases, and academic software. Most services also are available for students living off campus or studying abroad. Wireless access is available in all residence halls, public spaces, outdoor areas, and most academic buildings.

Information Technology maintains state-of-the-art computing facilities for academic use. The W.M. Keck High-Performance Computing Facility contains workstations for advanced scientific computing and 3-D graphics. The Abell Library Center computing laboratories are equipped with a variety of general-purpose computers for student use. Academic departments have computer labs equipped with software or hardware specific to their area of instruction and institutional goals. Instructional computer classrooms support computer-based education through the hands-on use of computers and software applications.

Student computing workstations and specialized laboratories and classrooms are located in the academic buildings and residence halls and provide secure access 24 hours a day, seven days a week. The Jackson Technology Center is equipped with specialty hardware, software, and instructional devices for individual or small group learning in a collaborative environment.

The Residential Computer Consultants and Computer Assistants are available to assist other students with technology issues. Free anti-virus software is provided to each student along with other tools to help provide a safe and responsible computing environment.

### **Media Services**

The primary function of Media Services is to support teaching and to enhance learning. This department provides direct support for audio, multimedia, technology classrooms, and academic events. Media Services maintains a variety of audio-visual equipment for use by faculty, staff, and students; performs engineering, installation, and servicing of audio-visual equipment; and provides audio-visual support for all campus activities.

### **Telecommunications Services**

Residence hall rooms are equipped with telephone access, and calls to the local calling area are free. Since voice mail is not available, students are encouraged to bring phones with answering machines. Long distance service is not available through the campus network. The college telephone system has stored the location of each room and phone extension. In case of an emergency, the room telephone will automatically provide that room's location to Campus Police or call 911 services. Cordless phones should be at least 5.8 GHz to avoid interfering with other electronic devices.

# Dining Services

## Dining Service

Austin College Dining Service provides a wide variety of food choices to meet the needs of today's active college student. Meal plans are contracted through the Student Life Office. Any change to the selected meal contract must be made on or before the Friday prior to the 12th class day. As part of the on-campus experience, all resident students are required to have a dining plan membership. There are two options available depending upon student classification. Students must present a valid ID to have access to the dining facility. Access will be granted only to the authorized cardholder.

**Seven-day unlimited access** – Required for first-year resident students.

This membership will allow unlimited dining access everyday. This plan will also include \$75 in Hopper Dollars per semester that can be used in any dining location.

**Five-day unlimited access** – Minimum plan for traditional halls or Johnson 'Roo Suites.

This membership will allow unlimited dining access Monday through Friday. This plan also will include \$75 in Hopper Dollars per semester that can be used in any dining location.

Students living in the Flats, Bryan Apartments, or the Village can purchase a five-day, seven-day, or one of the following three options.

### **Block 75**

This plan will allow 75 entries into the cafeteria anytime during operating hours. This plan comes with \$75 in Hopper Dollars.

### **Block 50**

This plan will allow for 50 entries into the cafeteria anytime during operating hours. This plan comes with \$100 in Hopper Dollars.

### **Block 15**

This plan will allow for 15 entries into the cafeteria at any time during operating hours.

### **Hopper Dollars**

Students participating in the meal program will have Hopper Dollar accounts that may be used for purchases in the Kangaroo Coffee Shop, Hopper Store, Pouch Club, and dining hall. Hopper Dollars may not be used to purchase beer or wine in the Pouch Club. Hopper Dollars are credited to the student's meal plan on the first class day of the semester. Any Hopper Dollars remaining from the first semester are automatically credited to the second semester of the same school year. Unused Hopper Dollars do not transfer from one academic year to the next. Additional Hopper Dollars may be purchased at any time in the Food Service Office in Wright Campus Center, Room 117.

# Mail Services

## Mail Services

All Austin College students are assigned a mailbox and issued a combination for their mailboxes at the time of registration. Mail is delivered daily and students are strongly encouraged to check their boxes each day since the college uses this means for handling all official correspondence with students, including course registration materials.

A notice will be placed in a student's mailbox when she/he receives a package. Students will have a total of 21 days to pick up their packages. After the first 10 days, a second notice through campus mail and an email will be sent advising the student the package will be returned to sender on the 21st day if it has not been picked up.

The Campus Mail Center, a component of Mailing and Printing Services weighs and mails packages, and certifies letters. Although the Campus Mail Center is not an official sub-station, it does have regular pickup and delivery of U.S. mail. The Campus Mail Center provides Express Mail but is not permitted to insure shipments. Therefore, if the shipment requires insurance, it must be taken directly to the U.S. Post Office or Federal Express or UPS office.

The Mailing and Printing Services office is located next door to the Campus Mail Center and provides color and black and white copying, printing reproduction, and Federal Express and UPS shipping services to the college community. Faxing services also are offered. Students can send and/or receive faxes and will be notified by telephone or notice in their campus mail when they receive a fax.

## **Non-Liability, Legal, Smoking Policies**

### **Non-Liability of College for Injury or Loss**

In order to provide a well-rounded educational program as distinguished from one confined just to classrooms and laboratories, the college sponsors many programs and activities ranging from collegiate and intramural athletics to various off-campus programs and events, which, as with other activities of life, involve possibilities of personal injury, loss of personal property, or both. While the college provides some degree of supervision and counseling, it is unable to assume the risk of injury or loss to individuals. Participation in these programs and events, beyond classrooms and laboratories, is voluntary, and participants, along with their parents or legal guardians, assume all risk of personal injury, loss of property, or any other type of loss.

It is to be understood that the participant and parents or guardian of the participant release and discharge Austin College, a corporation organized under the Non-Profit Corporation Act of the State of Texas, its trustees and officials, the directors of any such programs, the cooperating colleges and institutions, the drivers and owners of cars, and the heirs, successors, and assigns of the aforesaid parties, jointly and severally, from any and all actions, causes of action, claims, demands, damages, costs, loss of services, and expenses on account of or in any way growing out of, and all personal injuries and property damages, or loss of any kind or degree by reason of any accident or occurrence while the participant is engaged in any such activity, whether on or off the campus.

All students who are 18 years of age or older are required to sign a General Release of Liability statement. For students who are under 18 years of age, the statement also must be signed by the parent or guardian of the student.

### **Legal Policy**

Each student at Austin College is expected by the college to act as a responsible and honest citizen and adult. Austin College expects its students to obey all local, state, and federal statutes. However, the college is not the enforcement agency for these statutes. It is the intent of the college to work cooperatively with all legal agencies. Through this cooperative relationship, both Austin College and each legal agency have the opportunity to carry out their separate functions to a more worthwhile and beneficial degree. The student handbook includes a detailed statement of philosophy and procedures for the legal policy.

### **Smoking Policy**

Austin College is a “clean air” campus. All campus facilities are non-smoking. Smoking is permitted in designated areas only.

# Admission

## Admission and Financial Information

The Office of Admission and the Office of Financial Aid provide assistance and consultation for prospective students and their parents regarding college choice, admission requirements and procedures, and financial aid policies and procedures.

### Requirements for Admission

**General Policies:** Careful and individual consideration is given to each applicant for admission to Austin College. Admission is based upon a thorough review of scholastic performance plus individual qualities and experiences that influence the candidate's likelihood for success at Austin College. Austin College accepts the Common Application, used by almost 500 national selective colleges and universities, and the ApplyTexas Application. Applications are online at [www.commonapp.org](http://www.commonapp.org) and at [www.applytexas.org](http://www.applytexas.org), respectively. You may also access these sites through the Austin College website at [www.austincollege.edu/apply](http://www.austincollege.edu/apply).

### Admission of Freshman Applicants

Candidates for admission should begin their applications for admission by the fall of their senior year in high school. Austin College's recommended application and scholarship deadlines are listed on the Austin College website at [www.austincollege.edu/apply](http://www.austincollege.edu/apply).

Credentials of primary importance in admission consideration include:

- **High School Record:** Graduation (or expectation of graduation) from an accredited secondary school, or from a home school. Applicants should complete at least 15 high school academic units with the recommended distribution of: English, 4; mathematics, 3 to 4 (including geometry and algebra II); science, 3 to 4 (including 1 to 2 lab sciences); foreign language, 2 to 4 (at least 2 of the same language); social studies, 2 to 4; and fine arts, 1 to 2 units. Applicants should provide a transcript of high school work completed through the junior year with a list of courses to be taken in the senior year.
- **Standardized Test Scores:** Students admitted to Austin College typically score well above national averages on the Scholastic Assessment Test (SAT) or ACT Assessment Test. Austin College accepts scores from either the SAT or the ACT with the writing test. Test results are evaluated in conjunction with the applicant's high school record.
- **Personal Qualities:** While academic preparation is of primary concern, Austin College seeks students who will contribute to the campus community personally as well as academically. Personal qualities are assessed through evidence of extracurricular involvement in school activities, athletics, community service, church activities, or employment; required recommendations from counselors and teachers; and the essay portion of the application.

### Admission of Transfer Students

Applicants in good standing at any accredited two- or four-year college or university can be considered for admission to Austin College as a transfer applicant. The most competitive applicants for admission typically have earned a 3.00 or better grade point average. Transfer applicants are considered throughout the year on a rolling admission basis, and students will be notified of admission decisions as applications are completed. Please note that the recommended deadlines are January 15 for spring admission and August 1 for fall admission. In addition to completing the Common Application and Austin College Supplement, transfer applicants also must submit official academic transcripts from each postsecondary institution attended. All

transfer applicants should submit their final high school transcript or G.E.D. Applicants with less than 30 hours of academic credit (eight Austin College course credit units) must submit official SAT or ACT score reports. Applicants must also submit two letters of recommendation from college professors or advisers (a letter of recommendation from a high school teacher or counselor can be submitted in lieu of one college recommendation).

**Transfer Credit:** A minimum of 17 Austin College course credit units (including 8 of the last 11 course credit units) must be earned for the degree. A maximum of 68 credit hours may be transferred from accredited two-year or four-year institutions. Credits presented from other institutions consistent with the academic objective of Austin College in which the student earns a grade of C or higher will be converted to course credit units at the rate of four semester hours being equal to one Austin College credit. Students may petition for individual approval of a transfer course not normally accepted at Austin College. Students must provide a syllabus or complete course description and specify how the course is relevant to their planned degree program. No official evaluation of credit can be given until official transcripts of all colleges attended have been submitted to the Office of Admission. An evaluation of transferable credits and determination of subsequent requirements for graduation from Austin College can be made prior to matriculation through the Office of the Registrar.

### Admission of Other Special Students

**Cooperative Degree Plan in Engineering:** No special application is necessary for admission to this program. Freshmen may enroll in this plan at the time of registration. (Refer to Pre-Engineering in the Pre-Professional Preparation section.)

**Veterans:** Veterans planning to study under the benefits of Public Law 550 or others should address inquiries to the Office of the Registrar.

**Non-Degree Special Students:** Persons who give evidence of maturity, earnestness of purpose, and adequate preparation may be admitted to individual courses without becoming candidates for a degree. They should apply for admission to the Office of the Registrar. A non-degree or a part-time student cannot participate in intercollegiate athletics or represent the college in any official capacity or receive any type of financial aid including federal, state, institutional, or alternative loans.

**Auditors:** Individuals who wish to audit a course may be admitted with the approval of the registrar and consent of the instructor. Auditors do not receive special instruction or special attention from the instructor. They do not earn credit in the work pursued but the audit course is listed on the auditor's transcript. The fee for auditing is listed in the College Costs section of this Bulletin.

**Graduate Study:** Requirements for admission to studies leading to the Master of Arts in Teaching degree are defined in the section on the Austin Teacher Program.

**Summer Session:** Students who are not in the regular program of the college should apply for admission to the Office of the Registrar.

### Application for Admission

Application for admission forms and other relevant information can be obtained from the Office of Admission and are available on the college website at [www.austincollege.edu/apply](http://www.austincollege.edu/apply) or at [www.commonapp.org](http://www.commonapp.org) or at [www.applytexas.org](http://www.applytexas.org).

All admission credentials for fall freshman applicants must be received in the Office of Admission by one of the following deadlines: December 1 for Early Action I applicants; January 15 for Early Action II applicants; and

March 1 for Regular Decision applicants. Students who apply for admission after March 1 will be considered on a space-available basis. Scholarship deadlines are listed on the Austin College website at [www.austincollege.edu/scholarships](http://www.austincollege.edu/scholarships).

**Early Action:** Students who would like to receive early notification regarding their application for admission may apply under the Early Action plan, completing their application by December 1 (Early Action I) or January 15 (Early Action II). Notification of admission status will be mailed by January 31 or March 1, respectively. Early Action does not carry a binding commitment to accept an offer of admission. If admitted, Early Action applicants are encouraged to pay the required \$350 matriculation deposit as soon as they have finalized their college decision. The deposit is required by May 1 and is refundable until this date.

**Regular Decision/Rolling Admission:** Students who apply for admission after the Early Action deadlines are classified as Regular Decision applicants. Those students who submit all required application materials by the March 1 admission deadline will be notified of their admission status by no later than April 1. Regular Decision applicants applying after March 1 will be considered on a space-available basis and typically receive notification of their admission status after April 1 or within two to four weeks of completion of all application materials.

**Early Admission:** Austin College accepts applications from qualified students who seek Early Admission. Normally, these students will be classified as second-semester juniors in high school at the time of their review for possible admission to Austin College. The college welcomes such applications with the understanding that successful candidates display a high degree of social maturity and present strong academic credentials. An admission interview and a letter of recommendation from a parent or guardian are required in addition to standard admission materials and requirements. Students desiring Early Admission should take the SAT or ACT prior to applying for admission.

Financial aid is available to Early Admission students if they are determined eligible after completion and analysis of the Free Application for Federal Student Aid (FAFSA). However, it is mandatory by law that the students pass an independently administered standardized exam approved by the Department of Education. Both the ACT and SAT exams are approved for this purpose, if administered on one of the national test dates by a testing authority other than Austin College.

**Deferred Admission:** Austin College may judge an applicant to be a viable candidate for admission while requesting further information toward enhancing the applicant's chances for admission. In such cases, an applicant may be sent a letter stating the Admission Committee would like to defer final judgment on admission in order to provide the applicant an opportunity to arrange an admission interview or to submit, for example, an updated academic transcript, new standardized test scores, or additional letters of recommendation.

**Waiting List Status:** Because more qualified students apply for admission than can be offered admission, some applicants are neither initially offered nor denied admission. Instead, they may be offered a place on a waiting list for admission. If space still is available after the college is notified by admitted applicants of their college choice, admission may be offered to students placed on the waiting list.

A decision regarding the status of students on the waiting list is made as close as possible to the May 1 candidate reply date, though students are provided formally an update of their status by May 15, June 15, and August 1. Applicants accepting an offer to be on the waiting list are strongly encouraged to reserve an offer of admission at another institution and must be prepared to forfeit the matriculation deposit required by most institutions should they be offered admission by Austin College after May 1.

**Matriculation Deposit after Acceptance:** Students who accept the college's offer of admission must pay a \$350 matriculation deposit. (For explanation of deposit, see College Costs section.) In addition, the applicant should return the Commitment of Academic Integrity form included with the acceptance letter, which indicates

an understanding of the general educational approach and concepts of Austin College and the willingness to commit oneself to the College Principles as basic to the operation of the college community.

### Additional Information Required Prior to Enrollment

- Final transcript of high school or college work in progress at the time of application. High school transcripts must include the date of graduation and the student's final class rank. Home school students also should provide a final transcript, including a date of graduation.
- Completed residence hall application.
- Completed health and immunization forms. The college provides the standard health and immunization forms. Current immunizations for the DPT series and booster, Hepatitis A, measles, mumps, and rubella, and evidence of freedom from infectious tuberculosis are required. Students will not be permitted to register for classes without proof of immunizations listed on the health form.

### Recognition of Prior Achievement

**Advanced Placement:** Austin College will grant one course credit unit for a score of four or above on any of the advanced placement examinations given by the College Entrance Examination Board (CEEB). Check with the Office of the Registrar for further information.

**CLEP Tests:** Credit also may be granted by scoring satisfactorily on the College Level Examination Program (CLEP) subject level tests and paying the required fees. For additional information, contact the Office of the Registrar.

**Foreign Language Placement:** A student who is placed by Austin College into the 202 level of a modern language or higher as the first college-level course in that language and who completes this with a satisfactory grade (S, C, or above) also will receive one elective credit. This credit may not count toward the minor or the major.

**International Baccalaureate:** One course credit unit will be given for each score of five or above on a Higher Level examination of the International Baccalaureate program. The registrar, in consultation with the department concerned, determines how the credit is to be identified on the student's permanent record. Credit may be given for a score of four on a Higher Level examination at the department's discretion. Credit is not normally given for Subsidiary Level examinations.

## College Costs

Austin College is a private institution and receives no direct support from taxes or other public funds. The net tuition revenue represents approximately 53 percent of the operating budget of the college. The difference between such costs and the amount paid by the student is met by income from endowment, contributions by Presbyterian churches, and gifts from alumni and other friends who recognize the value of the educational program of Austin College.

### Deposits

**Undergraduates:** Applicants pay a \$350 matriculation deposit upon acceptance of an offer of admission. The deposit reserves an enrollment space and a room in a residence hall. The deposit should be paid by May 1 if

entering in the summer or fall term and by January 15 if entering in the spring term. Deposits are non-refundable after each of these dates. Deposits paid after these dates are accepted on a space-available basis.

Once the applicant enrolls, \$150 of the deposit is used as a registration fee; the remaining \$200 of the matriculation deposit is held as a general deposit and is used to satisfy charges for loss or damage (including unusual cleaning costs to any college property) for which the student is responsible. The deposit will be refunded, less charges for amounts due, following graduation.

**Graduates:** Applicants pay a \$100 matriculation deposit upon acceptance of an offer of admission. The deposit reserves an enrollment space. Once the applicant enrolls, \$50 of the deposit is used as a registration fee; the remaining \$50 of the matriculation deposit is held as a general deposit and is used to satisfy charges for loss or damage for which the student is responsible. The deposit will be refunded, less amounts due, following graduation.

### Charges

The following are charges for 2012-2013:

#### Academic Year: September through May

#### TUITION – STUDENTS ENTERING FALL 2011 AND AFTER

Full-Time Undergraduate (3-5 course credits per term)	32,665.00
Part-Time Undergraduate (per course credit unit)	4,735.00
Graduate (per course credit unit)	4,735.00
Audit (per course)	(half course fee)
Overload fee (per course credit unit in excess of 5)	2,475.00

#### TUITION – STUDENTS ENTERING PRIOR TO FALL 2011

Full-Time Undergraduate (3-5 course credits per term)	32,360.00
Part-Time Undergraduate (per course credit unit)	4,735.00
Graduate (per course credit unit)	4,735.00
Audit (per course)	(half course fee)
Overload fee (per course credit unit in excess of 5)	2,475.00

## Residence Hall Rooms

Double occupancy	4,956.00
Single room (natural, by building design)	5,856.00
Single room (converted, double used as a single)	6,256.00
Triple room (converted, triple used as a double)	5,706.00
Triple room	4,781.00
Quadruple room (converted quadruples)	4,616.00
Bryan Apartments (double occupancy per person)	5,856.00
The Robert and Joyce M. Johnson 'Roo Suites	5,630.00
The Flats at Brockett Court	6,090.00
The Village on Grand	6,000.00
Jordan Family Language House	4,976.00

## Dining Services (see Campus Life section for description)

Seven-Day Meal Plan 5,791.38 (Includes \$75 Hopper Dollars per semester and \$441.38 in tax)

Five-Day Meal Plan 5,382.62 (Includes \$75 Hopper Dollars per semester and \$410.22 in tax)

## Fees

Activity fee (all full-time students)	185.00
Transcript fee (assessed in first semester)	25.00
Health insurance fee (all uninsured students)	1,262.00
Campus access fee (non-residential students)	170.00
Study abroad administrative fee (per semester)	100.00
Art fees	(variable depending on course taken)

Science lab fees (per lab)	50.00
Applied music lessons	250.00
Piano class fee	150.00

**Undergraduates:** The tuition charge provides for instruction (5 course credits or less for the fall and spring terms), counseling (testing fees not included), library services, physical activity programs, and registration.

There is no separate tuition charge for the January term provided the student is enrolled as a full-time undergraduate student for the preceding fall term or the succeeding spring term. No credit will be given for a student who fails to take a January term. All other students will be required to pay the normal per-course tuition.

An undergraduate student registered for three or more course credits during a fall or spring term is considered a full-time student. The billing status of the student, whether full-time or part-time, is determined by the student's registration as of the last day to add a course. Consult the Austin College Academic Calendar for official dates. The status of the student on this date also determines what, if any, overload fees will be assessed.

Term charges are prorated if a student drops from full-time to part-time after the last day to add, and prior to the end of the fourth week of classes. A prorated credit of the full-time charge as well as a prorated part-time charge will be assessed as follows:

Date of Drop	Full-Time Credit	Part-Time Charge
During second week of classes	75%	75%
During third week of classes	50%	50%
During fourth week of classes	25%	25%
After the fourth week of classes	0%	0%

If a student is assessed an overload fee on the last day to add, and later drops (prior to the end of the fourth week of the classes), a prorated credit of the overload fee is given as follows:

Date of Drop	Overload Credit
Second week of classes	75%
Third week of classes	50%
Fourth week of classes	25%
After the fourth week of classes	0%

Study Abroad. Students studying abroad for the semester or year pay Austin College tuition, fees, and room and board without regard to actual costs of the program abroad. The student is responsible for any study abroad program costs exceeding Austin College tuition, fees, and room and board. If a student attends a program with costs exceeding Austin College, an administrative fee of \$100 per semester is charged.

Graduates: The graduate program consists of nine course credit units. Students who accept student teaching or internship positions more than 25 miles from Sherman are charged a supervision fee. The fee is \$350 if the position is 26 to 65 miles from Sherman; and \$450 if 66 to 95 miles from Sherman. The fees for positions beyond 95 miles from Sherman will be greater than \$450 and are determined on a case-by-case basis.

### Summer Terms

The following are charges for summer 2013:

#### Tuition & Fees

Undergraduate (per course credit)	\$2,600.00
Graduate (per course credit)	2,975.00
Career Study Off-Campus – CSOC	600.00
Activity fee (all students)	10.00
Room – Bryan Apartments – 3 occupants	600.00
Room – Bryan Apartments – 4 occupants	525.00
Board	Available on per-meal cash basis when dining facilities are open.

#### Miscellaneous Charges

There are various situations in which a student may be subject to special fees. Students should be aware that some college organizations, including the residence halls, may decide to collect fees or dues from their members.

**Late Add/Registration:** Students may change their initial registration by adding or dropping courses within the time period specified in the academic calendar for each term. After the last day to add a course, a petition will be needed to register for a course. This is considered a late registration and a fee of \$20 will be assessed.

**January Term:** Students who choose to participate in an off-campus program during the January term will be assessed in advance for the additional expenses for transportation, tour assistance, maintenance, and use of off-campus facilities.

## Financial Obligations

Tuition and fees statements are prepared by the Business Office and are mailed to students during the first week of July for the fall term and December for the spring term. Payment is due August 1 for the fall term and January 15 for the spring term. A late fee of \$25 will be charged for accounts not paid by the due dates.

With the exception of student employment authorized by the Office of Financial Aid, financial aid will be credited to the student account. The earnings for student employment are paid semi-monthly directly to the student. All documents relating to financial aid must be completed in full before aid can be applied to student accounts. Students must respond promptly to the Office of Financial Aid's request for completion of forms.

Students may contact the Office of Financial Aid with questions regarding applying for and completing financial aid/loan documents.

Students whose accounts are not current with the Business Office and students whose financial aid forms are incomplete, incorrect, or late may be denied any or all college services. Students may not register, attend classes, utilize college facilities, or receive transcripts, grade reports, or other educational records unless all accounts with the college are satisfied. This includes all charges for tuition, room, and board, as well as charges from the Abell Library, Student Life Office, loan office, and other departments and offices of the college. If the amount due includes a room charge, the student may not remain in college housing. If the amount due includes a board charge, the student may not continue to use the dining service.

## Refund Policy for Matriculated Students Who Withdraw

All tuition credits are determined by the Business Office. Since students 18 years of age and older have legal majority status, refund checks are payable to those students.

The tuition credit policy takes into account the fact that Austin College made its commitment to a student for teaching and operating expenses at the time of admission. Space for enrollment that is vacated after class work begins cannot be filled for the remainder of the term. Students who are placed on disciplinary suspension during the term will not receive a credit except for unused board.

If a student has been awarded financial aid, any refund will be subject to federal, state, and Austin College financial aid refund policies. Refunds are apportioned according to strict formulas and procedures among the various aid programs from which the student has received assistance. Any refund made to the student will come only after federal, state, and Austin College financial aid programs are reimbursed according to financial aid refund policies. The policies are available in print from the Office of Financial Aid. Federal law requires that any Title IV aid refund be paid back first to Federal Family Education Loan Program loans, such as the Stafford Loan (subsidized and unsubsidized).

**General Deposit:** Students who decide to withdraw and fail to notify the college prior to July 15 for the fall term or December 15 for the spring term will forfeit \$100 of the \$200 general deposit.

**Tuition Credits:** Credits for students who officially withdraw from the college for a fall term or spring term are made as follows:

Time Period	Amount Credited
Prior to first day of class	100%
First week of classes	80%
Second week of classes	75%
Third week of classes	50%
Fourth week of classes	25%
After fourth week of classes	0

Tuition credits for students who withdraw during the summer term will be handled in a similar manner. Each two and one-half days of classes in the seven-week summer term will count as one week in applying the credit percentage, and each two days of classes in any four-week course will count as one week in applying the credit percentage.

**Residence Halls, Bryan Apartments, Johnson 'Roo Suites, The Village on Grand, and The Flats at Brockett Court:** A residence hall contract or lease is a binding agreement between the college and the student. Students who choose to cancel their agreement prior to moving in will be charged a fee of \$100. If a student occupies a facility and later decides to move out during a fall or spring term, the term charge will be prorated and a fee of \$300 will be added to the prorated amount. Once a facility is rented for the term, there is little possibility of renting it a second time to fill the vacancy. The \$300 penalty is intended to be an incentive for students not to move.

**Board:** Credits for students on the meal plans will be calculated on a prorated basis after deducting Hopper Dollars for the semester.

**Withdrawal with Intent to Return:** Students who have withdrawn with intent to return must return or forfeit \$100 of the \$200 general deposit.

**Military Mobilization:** If a student withdraws from Austin College as a result of military mobilization for a period of 30 days or more, and does not receive academic credit, the college will grant a full tuition credit (100 percent) and where applicable, all financial aid will be returned to the appropriate programs (federal, state, and institutional). Room and board will be prorated for the length of residence at the school.

The student will:

- Be required to show proof of military duty (copy of orders) upon withdrawal. Should student resume enrollment at Austin College; proof of discharge from military service (usually DD Form 214) must be provided.
- Be responsible for prorated room and board charges. There will be no credit of fees (i.e., activity fee, transcript fee, etc.).

If the student is the recipient of Title IV federal aid, the Office of Financial Aid is required to do a Return of Title IV Funds calculation if the withdrawal occurs prior to the 60 percent point in the semester.

The college will:

- As determined appropriate by the instructor, grant a student a withdrawal in all courses by designating “withdrawn military” on the student’s transcript; or
- As determined appropriate by the instructor, assign an appropriate final grade or course credit to a student who has satisfactorily completed a substantial amount of course work and who has demonstrated sufficient mastery of the course material; or
- As determined appropriate by the instructor, grant an incomplete grade in all courses.
- Allow the student to return to Austin College following military duty and select to follow the curricular requirements of the Bulletin in effect at the time of initial admission or select to follow current curricular requirements at the point of re-entry.
- Allow the student to keep the academic scholarship awarded by the Office of Admission upon entrance to the college as long as the student left in good standing (grade point average requirement was met).
- Suspend collection efforts for borrowers of the Austin College Grant/Loan, although interest will accrue.

For students who receive need-based financial aid (whether from federal, state, or institutional sources), there is no guarantee that the same financial aid will be available upon returning to Austin College since a student’s federal need can change each year. Thus, need-based aid is dependent upon a student’s federal need calculation.

**Financial Standing Upon Leaving the College:** In order to leave the college in good financial standing, a student must leave with all bills paid. A student who forfeits the matriculation deposit and leaves with unpaid bills will not be considered in good financial standing. The forfeited deposit will not be applied to unpaid bills.

## Financial Aid

The Austin College Office of Financial Aid is located in the Lyndall Finley Wortham Center. Office hours are Monday through Friday from 8:30 a.m. to 5 p.m. Access is provided for students with physical disabilities.

### Applying for Financial Aid

**The financial aid application process and deadlines are somewhat different for new freshman and transfer students than for returning Austin College students.**

**New freshman and transfer students** seeking financial aid from Austin College must first be accepted for admission to the college. In addition, the Free Application for Federal Student Aid (FAFSA) must be completed as soon as possible after January 1st. Students may wish to use their and their parents’ (if applicable) prior year income tax return, however, it is always best to use actual income tax data from the most recent tax year. If the most recent tax year information is not used when filling out the FAFSA, students will be able to complete the tax information requested on the FAFSA by using the new IRS Retrieval process. If prior year income tax information is used initially students will need to update their FAFSA once they have finalized their tax return and their parents’ tax return (if student is a dependent). Students can use the IRS Data Retrieval process to update tax information on the FAFSA. Austin College uses the information students submit to calculate financial aid eligibility for the upcoming school year.

Students may complete the FAFSA at [www.fafsa.gov](http://www.fafsa.gov) and list Austin College (school code 003543) as one of the school choices to receive FAFSA data.

To sign the FAFSA electronically, the student and one parent (if student is a dependent) each will need to obtain a PIN from [www.pin.ed.gov](http://www.pin.ed.gov). Students may use this site to request a duplicate PIN if one has been lost or forgotten.

Once the FAFSA has been processed, students will receive a Student Aid Report (SAR) from the Federal Processor. The SAR usually is emailed to the email address provided on the FAFSA application. Please review

the SAR carefully. If the student feels that an error has been made, make changes directly on the FAFSA website at [www.fafsa.gov](http://www.fafsa.gov). The college will receive an electronic copy of the student's FAFSA data about the time the student receives the SAR. The results of completing the FAFSA will provide the college with each student's Expected Family Contribution (EFC). The EFC is used to determine the student's federal student aid eligibility and which of the various aid programs the student and family may access — grants, need-based loans, work programs, or one of several non-need-based loans through which a portion or all of the expected family contribution may be borrowed.

To receive priority consideration for financial assistance, the Austin College Office of Financial Aid must receive electronic data by **April 1**. To meet this deadline, it is recommended that the FAFSA be submitted electronically no later than March 15. FAFSA data received after the **April 1** deadline will be considered on a rolling basis subject to available funds.

All financial aid is granted for a maximum of one year. All aid awards will be divided equally per semester. Renewal of financial aid is based on academic standing, availability of funds in relation to receipt of FAFSA data, and demonstration of federal need. Financial aid may be terminated if a student is not meeting Satisfactory Academic Progress.

**Returning students** must re-apply for financial aid each year and must complete the FAFSA or Renewal FAFSA as soon as possible after January 1st. To receive priority consideration for financial assistance, the Austin College Office of Financial Aid must receive electronic data by **May 1**. To meet this deadline, it is recommended that the FAFSA be submitted electronically no later than April 15. FAFSA data received after the **May 1** deadline will be considered on a rolling basis subject to available funds.

Students may complete the FAFSA at [www.fafsa.gov](http://www.fafsa.gov) and list Austin College (school code 003543) as one of the school choices to receive the student's FAFSA data.

To sign the FAFSA electronically, the student and one parent (if student is a dependent) each will need to obtain a PIN from [www.pin.ed.gov](http://www.pin.ed.gov). Students may use this site to request a duplicate PIN if one has been lost or forgotten.

When completing the FAFSA for the upcoming year, students may wish to use the student's and parents' (if applicable) prior year income tax return, however, it is always best to use actual income tax data from the most recent tax year. If students do use the most recent tax year information when filling out the FAFSA, they will be able to complete the tax information requested on the FAFSA by using the new IRS Retrieval process. If prior year income tax information is used initially, the FAFSA should be updated once tax returns (student and parents' as applicable) when tax returns are finalized. The IRS Data Retrieval process can be used to update tax information on the FAFSA. Austin College uses the information submitted to calculate financial aid eligibility for the upcoming school year.

Once the FAFSA has been processed, students will receive a Student Aid Report (SAR) from the Federal Processor. The SAR usually is emailed to the email address provided on the FAFSA application. Please review the SAR carefully. If an error has been made, make changes directly on the FAFSA website at [www.fafsa.gov](http://www.fafsa.gov). The college will receive an electronic copy of FAFSA data about the time the student receives the SAR. The results of completing the FAFSA will provide the college with the students' Expected Family Contribution (EFC). This number is used to determine federal student aid eligibility and which of the various aid programs the student and family may access — grants, need-based loans, work programs, or one of several non-need-based loans through which a portion or all of the expected family contribution may be borrowed.

To receive priority consideration for financial assistance, the Austin College Office of Financial Aid must receive electronic data by **May 1**. To meet this deadline, it is recommended that the FAFSA be submitted

electronically no later than April 15. FAFSA data received after the **May 1** deadline will be considered on a rolling basis subject to available funds.

All financial aid is granted for a maximum of one year. All aid awards will be divided equally per semester. Renewal of financial aid is based on academic standing, availability of funds in relation to receipt of FAFSA data, and demonstration of federal need. Financial aid may be terminated if a student is not meeting Satisfactory Academic Progress.

## **The Verification Process**

The Department of Education (DOE) has made major changes to the verification process beginning with the 2012-2013 academic year. Read through the following information carefully because the verification process is not the same as it was in past years. Changes include items to be verified and documentation for verification.

Verification is a comparison of 2012-2013 FAFSA information with 2011 IRS Tax Transcripts(s) and other external documentation. Please keep in mind that verification of the FAFSA data may result in a change to Expected Family Contribution (EFC), which may require an adjustment to the financial aid package as required by the subsequent re-calculation of need analysis data.

To avoid verification delays, use the IRS Data Retrieval process when filing the FAFSA. Some applicants are not eligible for this process. For example, if a student's parents are married and filed separate returns, they will need to request an IRS tax return transcript for both parents and send them to our office.

## **The New IRS Data Retrieval Process**

If a tax return was filed electronically, information should be available on the IRS website within two weeks of the filing date. If a tax return was mailed, information should be available on the IRS website within eight weeks. If a student did not or was not able to use the IRS Data Retrieval Match Process, please submit 2011 Student/Spouse, if independent, IRS Tax Transcript(s) and the 2011 Parent(s), if dependent, IRS Tax Transcript(s). **DO NOT** send copies of 1040, 1040A, or 1040EZ. These are no longer acceptable verification documents. In addition to the IRS Tax Transcripts, the Office of Financial Aid may request other documentation to complete verification. A student may be required to send signed statements regarding household size, child support documentation, food stamp documentation, a Confirmation of Number in College Form, W2s, etc.

**NOTE:** If marital status changes after January 1, 2012, please send IRS tax transcript(s) and all W2s that reflect current status to the office. If marital status changes from married to single, the student will need to complete the Financial Aid Appeal Wrap and bring to the office with appropriate documentation.

Students may request a 2011 transcript from the IRS, free of charge, in one of three ways:

### **1. Online**

Go to [www.irs.gov](http://www.irs.gov)

Look in "Tools" Section

Click "Order a Return or Account Transcript" – (Select the "tax return transcript" option – not the tax account transcript)

Follow instructions given

Receive a tax transcript within 5 to 10 working days

### **2. Call**

Call IRS @ 1.800.908.9946

Follow instructions

Receive a tax transcript within 5 to 10 working days

### 3. Paper

Download IRS Form 4506 T

Mail or fax the completed form to the appropriate address

Receive tax transcript within 5 to 10 working days

\*If an extension for 2011 is filed, the student will need to send the office a copy of IRS form 4868 or a copy of the IRS approval of an extension beyond automatic six months extension and copies of all W2s for each source of employment income received.

## **Financial Aid for Study Abroad**

Students applying to Tier 1 study abroad programs, will be approved for a single semester of financial aid, provided they are in good standing, meet the requirements for their chosen program provider, and successfully complete the pre-departure process administered by the Center for Global Learning. The Office of Financial Aid will adjust students' budgets to allow for the cost of studying abroad and in some cases the student's federal need may increase, allowing students to possibly qualify for additional federal and/or state aid. A student may apply for institutional scholarships through the Center for Global Learning, Wright Campus Center, Room 204. However, any additional institutional scholarships awarded will not exceed the cost of tuition and room and board at Austin College.

All students receiving financial aid for a semester abroad are obligated to enroll in at least one additional long semester in residence at Austin College. For more information on outside scholarships for Study Abroad Programs, contact the Center for Global Learning.

## **Living Off-Campus Does Affect Financial Aid**

Since the student budget created for living off-campus does not include the actual cost of living on-campus with a meal plan, the staff uses a reasonable allowance for room and board based on cost of living for the area and from surveys completed by former students who lived off-campus. In most cases, the student budget for living off-campus is not as high as a student budget for living on-campus in a residence hall with a meal plan which, in turn, gives the student living off-campus a reduced demonstrated federal need. This means a student living off-campus may not qualify for as much need-based aid (grants, work-study, loans) as the student has qualified for in the past. Austin College merit-based scholarships are not affected if a student lives off-campus.

## **Financial Aid Policies**

Details regarding Austin College Financial Aid policies concerning Satisfactory Academic Progress, withdrawals and refunds, packaging procedures, grade point averages required for scholarship renewal, over-award procedures, requirements for transfer students, verification, financial aid award notifications, and other financial aid processes are available from the Office of Financial Aid.

## **Academic Requirements For Receiving Financial Aid Satisfactory Academic Progress (SAP) – Effective July 1, 2011**

The Higher Education Act of 1965, as amended, requires that each student maintain Satisfactory Academic Progress in the course of study the student is pursuing in order to receive Federal Title IV financial aid. The concept of satisfactory progress mandates monitoring of both the qualitative measurement (cumulative grade

point average) and the quantitative measurement (number of credit units completed). This policy reflects changes to federal regulations that are effective as of July 1, 2011.

At Austin College, these standards are also applied to institutional aid programs. For State aid programs, there may be a higher academic requirement and eligibility for those aid programs is subject to the requirements of each program.

1. PROCEDURES – Satisfactory Academic Progress will be reviewed at the end of each payment period (fall and spring semesters) by the Office of Financial Aid. This includes those who transfer in or are readmitted to the College.

2. SATISFACTORY ACADEMIC PROGRESS (SAP) – All financial aid recipients must complete the number of cumulative credit units by the end of each long semester (fall or spring) as listed in the table below. Part-time students must reach the required credit unit level in double the number of terms.

No student will be eligible to receive federal or state aid for more than 10 long terms for a four-year program. No student will be eligible to receive Austin College institutional aid for more than 8 long terms for a four-year program.

A student must maintain a minimum 2.00 cumulative GPA at Austin College. This is the standard for graduation at Austin College and is not rounded.

#### UNDERGRADUATES

Number of Long Terms (Fall or Spring) at Austin College	Minimum Number of Credit Units to be Completed
1	2.00
2	5.00
3	8.00
4	12.00
5	15.00
6	19.00
7	22.00
8	26.00
9	29.00
10	34.00

## GRADUATES

Number of Long Terms (Fall or Spring) at Austin College	Minimum Number of Credit Units to be Completed
1	2.00
2	4.00
3	6.00
4	9.00

**MAXIMUM TIME FRAME** – For an undergraduate student, the maximum time frame to receive Federal Title IV aid is 51 attempted credit units (150% of published length of program—34 credit units at Austin College for undergraduate students). If a SAP review shows that a student cannot complete the degree program within 51 attempted credit units, all Title IV aid is stopped. For a graduate student, the master’s degree must be completed within two years following enrollment as a full-time graduate student.

**WITHDRAWALS** – A student who withdraws (whether a complete withdrawal or with intent to return to Austin College) after the semester has begun, has failed to meet Satisfactory Academic Progress standards. The student will receive a Financial Aid Warning for the next semester in which he or she enrolls. If the student withdraws from Austin College during the Financial Aid Warning period, he or she will be placed on Financial Aid Suspension and will be ineligible to receive any financial aid.

**REPEATED COURSEWORK** – Students may only receive federal aid funding for one repetition of a previously passed course. There is an exception for courses that require repeats (see examples below). Students taking a required repeat of a course should work with the Office of Financial Aid to ensure those credits are counted appropriately for financial aid eligibility.

Examples of repeated coursework that may, or may not, count for financial aid eligibility:

1. Allowable: Repeated coursework may be included if the student received an unsatisfactory or failing grade. There is no limit on the number of attempts allowable if the student does not receive a passing grade.
2. Allowable: Repeated coursework may be included if a student needs to meet an academic standard for a particular previously passed course, such as a minimum grade. Example: Student received a D in a course which requires a minimum grade of C for his/her major or for a prerequisite for another course.
3. Allowable: Student is enrolled in 4 credit units that include 1 credit unit repeating a previously passed course. Because the student is enrolled in a minimum of 3 credit units (making the student full-time) that are not repeats, the student’s financial aid eligibility is not impacted by the repeat.
4. Not Permissible: Student receives a D in a course that does not have a minimum grade requirement for the major and decides to repeat the course to improve his/her GPA. The student may repeat this passed course one time, but if the student wants to repeat it a second time, the second repeat would not count for financial aid eligibility. In this example, the student is enrolled in 3 credit units, including the 1 credit unit second repeat, so only 2 credit units will count for financial aid eligibility. Financial aid would be adjusted since the student is no longer a full-time student.

All repeated courses affect financial aid Satisfactory Academic Progress calculations. A repeated course along with the original attempt must be counted as attempted credits.

**INCOMPLETES** – If a student who received an incomplete in a course in the prior term is completing the coursework in the subsequent term to erase the incomplete in the prior term, the student is not considered to be enrolled in the course for the subsequent term. Therefore, the hours in the course do not count toward the student’s enrollment status for the subsequent term, and the student may not receive FSA funds for retaking the course.

However, if a student who received an incomplete in a course in the prior term is retaking the entire course for credit in a subsequent term, the hours in the course count toward the student’s enrollment status and the student may receive federal aid for retaking the course.

Any course with an incomplete grade is counted as a course attempted for SAP purposes. An incomplete grade will not be included in calculating the cumulative GPA used for the period being evaluated. When the incomplete grade is replaced with a final grade in the course, the student’s SAP status will be re-evaluated to determine his or her final SAP standing for the prior term. It is possible that if SAP is not met, Federal Title IV aid may have to be returned to the appropriate federal aid program.

**FAILED COURSES** – A course in which the student receives a failing grade will be considered toward the cumulative GPA, credit units attempted and whether a student is making SAP at the end of each payment period.

Courses with grades of F, U, WF, or WU are counted as courses attempted for purposes of calculating GPA and making SAP. Courses with grades of S, W, WP, or I also are counted as courses attempted but are not included in the computation of GPA.

**TRANSFER STUDENTS** – A transfer student who enrolls at Austin College will be considered to be maintaining Satisfactory Academic Progress for their first payment period of their enrollment. At the end of a transfer’s first payment period, progress will be reviewed in the same manner as for all other Austin College students. The number of credit units accepted for transfer credit will be considered toward completing graduation requirements as both credit units attempted and credit units completed. Only the cumulative GPA earned at Austin College will be considered when evaluating the qualitative requirement for Satisfactory Academic Progress.

Advanced Placement (AP) credits, International Baccalaureate (IB) credits, and institutional exams for placement credit will not be used in the determination of credit units attempted or completed for Satisfactory Academic Progress purposes.

**FINANCIAL AID WARNING** – Any student who does not meet the SAP requirements as outlined above will be placed on “Financial Aid Warning” for the following payment period and will be eligible to receive aid during the warning period. By the end of the warning period, the student must be in compliance with the SAP requirements. Students not meeting SAP at the end of the warning period will be ineligible for financial aid and placed on Financial Aid Suspension. A student placed on Financial Aid Suspension following a warning period may elect to submit an Appeal to the Executive Director of Financial Aid for review by the Financial Aid Appeals Committee. See APPEALS section below for details on what is required in an appeal.

**FINANCIAL AID PROBATION** – Any student who does not meet SAP requirements following a Financial Aid Warning period is placed on Financial Aid Suspension. If the student files an appeal for reinstatement of aid and if the appeal is approved, the student would be placed on “Financial Aid Probation”. A student may receive financial aid for one more payment period while on Probation.

After a payment period on Financial Aid Probation, the student must be making SAP or student must be successfully following an academic plan (described below in APPEALS section).

**FINANCIAL AID SUSPENSION** – If the student does not meet all the Satisfactory Academic Progress requirements at the end of the Warning period (does not appeal the suspension) or at the end of the Probation period (filed an appeal and was approved to continue receiving aid for one more payment period), the student will be placed on “Financial Aid Suspension”. Students who are on Financial Aid Suspension are not eligible to receive any federal, state or institutional financial aid. This includes grants, loans, student employment and institutional scholarships.

**REINSTATEMENT OF AID** – A student can regain eligibility for financial aid by enrolling at Austin College at his/her own expense and achieving at least a 2.00 cumulative GPA and completing the required number of credit units. Periods of enrollment while receiving no Title IV aid count towards the maximum time frame in which to earn the degree. Reinstatement of aid is contingent upon availability of funds. It is the student’s responsibility to consult with the Office of Financial Aid to determine what must be done to regain eligibility.

**APPEALS** – A student who fails to meet SAP requirements and has lost eligibility for financial aid may appeal this decision. **Appeals must be in writing (no emails accepted) and must be accompanied by appropriate supporting documentation.** In the appeal, the student must explain why he/she failed to make SAP and what has changed that will allow the student to meet SAP at the next review. Appeals must be submitted to the Executive Director of Financial Aid no later than **July 31** prior to the start of the fall semester or by **January 15** prior to the start of the spring semester. Appeals received after these dates will not be considered.

Reasons that may be acceptable for an appeal are: (1) serious illness or accident on the part of the student; (2) death, accident or serious illness in the immediate family; (3) change in academic program; (4) other extenuating circumstances.

Reasonable consideration will be given to the student’s ability to meet SAP requirements by the end of the next payment period or the student will be placed on an academic plan to ensure that student is able to meet SAP by a specific point in time.

The Financial Aid Appeals Committee will review the appeal and send written results of the appeal to the student.

**Approved appeals will** include: (1) terms of reinstatement of financial aid eligibility (i.e. possibility of meeting SAP in the next payment period or possibility of an academic plan over an extended period of time); and (2) consequences for not meeting terms of approval. Approved appeals will result in financial aid being awarded for the payment period, based on available funding.

**Denied appeals will** include: (1) reason for denial; and (2) what the student must do to meet SAP. Denied appeals will not be awarded any financial aid until SAP is met.

Students must continue to meet terms, as established, until SAP is met to continue receiving financial aid on a probationary basis. Once SAP is met, the student is no longer considered to be on probation. Failure to maintain SAP thereafter will result in receiving an additional Financial Aid Warning for the next payment period.

**ACADEMIC SUSPENSION** – Any student who is readmitted to Austin College following an academic suspension is not eligible to receive any federal, state or institutional financial aid until SAP is met. The student may enroll at his/her own expense. SAP is met when the student achieves at least a 2.00 cumulative GPA and completes the required number of credit units. It is the student’s responsibility to consult with the Office of Financial Aid to determine what must be done to regain eligibility.

**VETERAN BENEFITS** – Students eligible to receive education benefits from the Veterans Affairs (VA) Administration must provide their certification form from the VA to the Registrar’s Office. To receive benefits from the various programs, i.e. Chapter 30, 31, 33, 35, 1606 or 1607, students must be making SAP towards a degree. Any student receiving VA benefits who is on academic probation risks losing benefits. If probation persists beyond two semesters the student’s status is reported to the VA for termination of benefits. As of August 2009 veteran benefits no longer impact eligibility for Federal Title IV aid. The Office of Financial Aid will determine eligibility for institutional aid based on the percentage of tuition covered by the VA benefits. In some cases, VA recipients may not be eligible for tuition-specific scholarships or grants at Austin College.

Revised 6/2011

## Types of Financial Aid

### Grants

Institutional grants are provided on the basis of full-time enrollment and demonstrated need by filling out the FAFSA to students pursuing a regular course of study. The amount of any single grant is not fixed, but is determined for each qualified applicant by the Office of Financial Aid.

The Federal Pell Grant and the Federal Supplemental Educational Opportunity Grant(SEOG) are available to students with exceptional need. The FAFSA is required. The Office of Financial Aid determines eligibility.

The Tuition Equalization Grants (TEG) may be available to Texas residents who qualify. The availability of TEG funds may be affected by the number of eligible students, the level of institutional allocation, and the timeliness of filing the FAFSA. The Office of Financial Aid determines eligibility.

### Loans

Loans are available from a variety of sources listed below. Loans carry interest and a legal obligation for repayment.

**Federal Perkins Loan<sup>1</sup>** : This is a need-based federal student loan that must be repaid. The annual maximum loan limit for an undergraduate is \$5,500. The aggregate loan limit for an undergraduate is \$27,500. The amount awarded is determined by the Office of Financial Aid based on available funding each academic year.

Repayment of this federal loan begins nine months after the borrower ceases to be enrolled at least half-time. A borrower has 10 years to repay this loan. While enrolled, the student interest does not accrue. When student enters repayment, interest accrues at the rate of 5 percent per year, effective nine months after the borrower ceases to be enrolled at least half-time. There may be loan cancellation options for a student borrower who becomes a full-time teacher in a Title I school. Cancellation privileges are also available for certain career services in other education areas, specified social services and armed forces, and also some areas of criminal justice and probation.

**Federal Direct Stafford Loan<sup>1</sup>** : The Federal Direct Stafford Loan provides an annual maximum of up to \$3,500 for freshmen, \$4,500 for sophomores, and \$5,500 per year for juniors and seniors. In addition, H.R. 5715 allows an additional \$2,000 unsubsidized Federal Direct Stafford Loan eligibility for undergraduate students. The aggregate loan amount for undergraduates is \$31,000, of which no more than \$23,000 can be subsidized. Independent students and those students whose parent have been denied a Federal Direct PLUS Loan may qualify for an additional unsubsidized Federal Direct Stafford Loan. Freshmen and sophomores may qualify for up to \$4,000 per year; juniors and seniors, up to \$5,000 per year. The aggregate loan amount for independent undergraduates is \$57,500 of which no more than \$23,000 can be subsidized. Graduate students are

eligible for \$20,500 in unsubsidized Federal Direct Stafford Loan. As of July 1, 2012, graduate students are no longer eligible for subsidized Federal Direct Stafford Loans. The aggregate loan amount for graduate students is \$138,500 of which no more than \$65,500 can be subsidized.

<sup>1</sup> *Subject to federal regulations*

As of July 1, 2012, the subsidized Federal Direct Stafford Loan for undergraduate students will continue to carry a fixed interest rate of 3.4 percent and the unsubsidized Federal Direct Stafford Loan will continue to carry a fixed interest rate of 6.8 percent. Students demonstrating need, according to the federal formula, may borrow up to their remaining need or the annual maximum on a subsidized Federal Direct Stafford Loan. For these loans, the federal government pays the interest while the student is in school or in deferment. Should a student's demonstrated need be less than the annual maximum, the student may borrow the remainder on an unsubsidized Federal Direct Stafford Loan. For any unsubsidized Federal Direct Stafford loan, the student will be responsible for any accrued interest during in-school and deferment periods. An origination fee of 1.0 percent will be deducted from each disbursement for both the subsidized and unsubsidized Federal Direct Stafford Loan. After graduating, leaving school, or dropping below half-time, the student has a six-month grace period before repayment begins.

To qualify for a Federal Direct Stafford Loan, a student must be enrolled (or accepted for enrollment) at least half-time, be in good standing, and making Satisfactory Academic Progress at the college. Further inquiries should be made to the Office of Financial Aid.

**Alternative Loans:** There are other loan options available to help a family meet the remaining cost of attendance. These loans are considered non-need based and typically require creditworthiness. For more information about this type of loan, contact the Office of Financial Aid.

## **Employment Opportunities**

The college participates in the Federal Work-Study Program and the Texas Work-Study Program, which is available to students with demonstrated financial need. Employment on campus is limited to eight to nine hours per week with an earning potential of approximately \$900 per semester, however, a student is paid only for actual hours worked.

A student may be terminated by the supervisor if job performance is unsatisfactory.

## **Merit-Based Scholarships**

Austin College Office of Admission awards merit-based scholarships to entering freshmen and transfer students. Austin College offers a number of merit-based scholarships not based on demonstrated financial need. These awards are made solely in recognition of outstanding academic achievement and potential, but other selection criteria may include evidence of leadership ability, a commitment of service to others, and exceptional talents in the performing arts and other extracurricular activities. Merit-based scholarships awarded to freshmen are renewed on an annual basis for a maximum of eight long terms of undergraduate study, excluding summer terms. Those awarded to transfer students are renewed on a term basis for the number of fall and spring terms deemed necessary by the college to complete the Bachelor of Arts degree.

Talent-based scholarships (music, art, and theatre) are awarded by the individual departments to entering freshmen. Freshmen are required to apply for these scholarships with the individual department. Each department will require the student to submit a portfolio for an art scholarship, audition for music and theatre scholarships.

## NCAA Division III Athletics

In accordance with NCAA guidelines, Austin College, as a member school of the NCAA Division III, does not award any athletic scholarships.

Additional information on merit-based scholarship opportunities as well as application procedures and forms are available at [www.austincollege.edu/scholarships](http://www.austincollege.edu/scholarships) or can be obtained by contacting the Office of Admission.

## Gifts, Endowments, and Memorials

Austin College, as a privately supported higher education institution, affords many opportunities for lasting investments and memorials. Among these is annual scholarship support, which provides critical financial assistance to students so they can continue their education. This commitment to scholarship availability is sustained by the generosity of alumni and friends. Additionally, throughout the years, Austin College has received gifts for general endowment, endowment of instructional programs, endowed fellowships, endowed scholarships, student loans, awards, prizes, and medals. Austin College's Institutional Advancement professionals continue to work with individuals in establishing scholarships and special programs for the support of Austin College.

# The Academic Program

## Educational Mission

In 2003 as part of a major curriculum review, the faculty adopted the following statement to clarify the mission of an Austin College education for its students.

An Austin College education transforms the intellectual lives of students as it challenges them to deepen their understanding of social, ethical, and global issues as well as their own place in a rich complex of evolving cultural traditions. Sustained critical inquiry lies at the heart of an Austin College education, enhanced by breadth of experience and focused through in-depth study. The goal is to enable students to develop themselves as productive members of society who can think clearly and critically, understand and respect difference, and express themselves persuasively.

Consistent with the goals of a liberal arts education, Austin College encourages its students to inquire freely, to cross traditional boundaries, and to challenge conventional wisdom while respecting the rights of others. The college seeks to provide an academically challenging and lively community of students and teachers who are committed to intellectual growth through individual and collaborative endeavors. Austin College graduates are prepared for lives of responsible leadership, enhanced by continued learning, and enriched by lasting values.

## Austin College Curriculum

Working closely with a faculty mentor, the student designs an academic program to achieve the goals of an Austin College education in the context of his or her own personal aspirations. An Austin College curriculum emphasizes both depth and breadth of study. It begins with a required freshman seminar course (Communication/Inquiry), which serves as the foundation for the Austin College education. The seminar aids students in their transition to college-level work and serves as an orientation to academic services and curricular opportunities. The instructor becomes the student's academic advisor and faculty mentor. Faculty-student engagement established in the seminar initiates the conversation on how to use the Austin College curriculum to create the educational experience that enhances intellectual inquiry and critical thinking and leads to lifelong learning.

Before the end of their sophomore year, students declare a field to study in depth from the college's list of more than 30 majors or alternatively, may create their own individualized major using the Special Program Option. Students also must complete a minor (or second major) in another field. With proper planning students are able to integrate many of the course requirements of the Breadth Dimension into their major and minor, giving their overall education greater coherence. Through the Breadth Dimension students encounter the different methodologies used by the humanities, sciences, and social sciences but are not required to take specific courses. Instead, students may select courses from the full range of disciplinary fields to develop a program that complements their major and minor but still adds breadth.

Austin College values interdisciplinary studies and encourages its students to consider majoring or minoring in one of its many interdisciplinary programs. One of the purposes of a liberal education is to help students become aware of the interconnections among different branches (disciplines) of knowledge. To this end the college offers student-designed interdisciplinary degree programs (see Special Program Options) and interdisciplinary and general studies courses. By integrating learning from several fields of knowledge, such study widens understanding and organizes new approaches to old problems. Many of these courses are appropriate for meeting the requirements of the Breadth Dimension.

### Faculty Mentor

Upon admission to Austin College each student is assigned a faculty mentor, who serves as the student's academic advisor and as the instructor for the first-year student in the Communication/Inquiry course. The term mentor denotes a special student-faculty relationship where the established rapport should assist the student in adjusting academically to college life and in effectively using the resources of the institution. As part of the advising process, students meet regularly with their mentors to review career interests and aspirations and steps for achieving these goals. Such considerations become reflected in a student's overall degree plan and in choices of a major and minor. The planning process of individual development continues through all the undergraduate years. Development may be sought through a variety of means: formal course work, existing programs or activities (whether on-campus or off-campus), and programs and activities initiated by students. Summer activities and experiences are relevant also. This collaboration of faculty mentor and student serves to maximize the opportunity afforded by an Austin College education.

Although faculty mentors frequently teach in fields different from their students' majors, students usually choose to stay with their original mentor because of the unique relationship developed in the Communication/Inquiry course. Students, however, have the option of changing mentors any time after the first term.

### General Degree Requirements

Students must fulfill the following requirements:

- Complete a minimum of 34 course credit units, of which at least 17 must be earned at Austin College
- Earn a 2.00 or better cumulative grade point average for all courses taken at Austin College
- Complete the Foundation Dimension
- Complete a major with a 2.00 grade point average or better
- Complete a minor (or second major) with a 2.00 grade point average or better
- Complete the Breadth Dimension
- Complete three January term courses, or one for each fall term in residence
- Complete one course in Lifetime Sports
- Demonstrate ability in a modern or classical language, other than one's own, through the third semester of college-level study at Austin College, or by transfer credit from another institution for an equivalent level of study, or acceptable performance on an approved equivalency test. The requirement also can be met by successfully completing the third semester of American Sign Language at an accredited college or university.

Those students for whom English is a second language may satisfy the language competency requirement with evidence of suitable proficiency in the native language (e.g., proficiency test, particularly when administered in that language at Austin College; school records).

- Demonstrate the required skills in written communication by completing an approved course(s) equal to one full credit
- Demonstrate quantitative reasoning skills by satisfactorily completing an approved course(s) that provides instruction in quantitative techniques
- Complete at least eight of the last 11 course credit units as a student at Austin College

The choice of a major and a minor may be made at any time after initial registration, but not later than the close of the sophomore year. Before registering for the first term as a junior, each student must file in the Office of the Registrar a declaration of major and minor approved by the appropriate department chairs or program directors. Students may not declare a major or minor after they have graduated.

Ordinarily students will follow the curricular requirements of the Bulletin in effect at the time of admission. When the college career is unavoidably interrupted, this principle will be followed as far as possible. If a student is readmitted following withdrawal, current requirements will apply.

### Completion or Graduation Rate

In accordance with the Student Right-To-Know Act, the six-year completion rate for students who entered Austin College in 2005 on a first-time-in-college and full-time basis was 74.4 percent.

### Foundation Dimension

The freshman seminar, Communication/Inquiry (C/I), serves as a foundation for an Austin College education. The course provides an important transition to the expectations of college-level work and available academic services. The seminar topics vary with the interests and specialization of the instructors, but through rigorous engagement with materials appropriate for an introductory class, each seminar section also emphasizes the enhancement of skills of information literacy and critical thinking, and abilities in oral and written communication. The C/I instructor serves as the student's faculty mentor and academic advisor.

The Communication/Inquiry course may be waived for individuals who have been enrolled as a full-time matriculated student at an accredited college or university for at least one semester.

### Breadth Dimension

An eight-course distribution over the three academic divisions of the college establishes the minimal requirement for the Breadth Dimension. Courses applied to this requirement must be taken from Austin College. Courses that satisfy this requirement have been approved by the respective academic divisions and are on a list available in the Office of the Registrar. Breadth Dimension courses must be taken for a letter grade. Courses taken for the Breadth Dimension also may count toward either the major or minor. Specific courses approved for the Breadth Dimension are indicated each term on the course registration schedule.

**Humanities:** The humanities disciplines of art, art history, classical and modern languages, communication, media studies, theatre, English, history, music, philosophy, and religious studies present a broad array of approaches to the understanding of culture and to the search for meaning. Courses in the Humanities Division foster students' appreciation of creative work and its processes, raise their awareness of perennial questions, and promote the spanning of interpersonal, intercultural, and chronological distances. Familiarity with humanities disciplines and their methodologies is integral to a liberal arts education and helps to prepare students for a complex and changing world.

Humanities courses that satisfy the Breadth Dimension engage students in how people think about or create from the world and human experiences. These courses foster skills in critical reading or interpretation, synthesizing information, effective oral and written communication, creative expression, and thoughtful analysis. In doing so, they develop the ability to form meaningful questions and exercise independent judgment. Students are required to take courses in four different programs to expose them to the diverse subjects and methodologies within this division.

**Requirement:** Four courses from four different programs; two of the four courses may be in the same department, provided they are in different disciplines.

**Sciences:** The methods used by science are the most reliable known for understanding the natural world. Science and the technology stemming from scientific knowledge have profound effects on nearly every aspect of modern life. Advancements in such diverse fields as health care, food production, communication, and transportation all depend on scientific knowledge and understanding. At the same time, scientific innovations have important societal, ethical, and moral implications. Therefore, understanding scientific methodology, contributions of science to modern civilization, and strengths and limitations of the scientific approach are of great importance for all students in becoming responsible citizens. We believe that in order to fully understand science, students must be actively engaged in doing science. Thus, the faculty views scientific inquiry through laboratory experience as an essential component of science education.

The Breadth Dimension of the Austin College curriculum requires two science courses, with at least one with an associated laboratory. The requirement may be met by a specially designed non-majors course in the natural sciences with an associated laboratory, or by other designated laboratory courses regularly offered in biology, chemistry, and physics. The science requirement ensures that all Austin College students have experience using the scientific process to solve both theoretical scientific questions in the classroom and practical hands-on problems in the laboratory.

**Requirement:** Two courses including at least one course with an associated laboratory. Both courses may be from the same department.

**Social Sciences:** The social sciences investigate and educate students about individual and group behavior in different social and cultural contexts. Through the application of a wide range of theoretical and methodological approaches, the social sciences strive to explain the variables that affect human decision-making, patterns of social, economic, and political development, and conflict and cooperation across the globe. Further, the social sciences explain how people allocate scarce resources in the framework of different social, governmental, and commercial institutions. A central component of the liberal arts, the social sciences contribute to an understanding of the historical development and contemporary structure of the global environment and provide an essential intellectual foundation for informed and engaged global citizens.

The Breadth Dimension of the Austin College curriculum requires two approved courses from different disciplines in the social sciences. Approved courses will foster student understanding of individual and group behavior in different social and institutional settings. Social science courses also will emphasize effective written, oral, and methodological skills. **Requirement:** Two courses from two different programs.

New students, transfer students, and freshmen, upon entering the college, may apply transfer course credits to meet the Breadth Dimension requirements depending upon the total number of courses accepted. The distribution of Breadth Dimension courses required for transfer students should respond to deficiencies in breadth and will be determined by evaluation of the student transcript.

<b>Transferring more than 14 college credits:</b>	Must take 4 of 8 Breadth Dimension courses at Austin College.
<b>Transferring 11 to 14 college credits:</b>	Must take 5 of 8 Breadth Dimension courses at Austin College.
<b>Transferring 7 but less than 11 college credits:</b>	Must take 6 of 8 Breadth Dimension courses at Austin College.
<b>Transferring 4 but less than 7 college credits:</b>	Must take 7 of 8 Breadth Dimension courses at Austin College.

## Depth Dimension

Programs below indicated with (M) offer a major and those indicated with (m) offer a minor.

American Studies	(M,m)
Anthropology	(m)
Art	(M,m)
Art History	(m)
Asian Studies	(M,m)
Biochemistry	(M)
Biology	(M,m)
Business Administration	(M)
Chemistry	(M,m)
Chinese	(m <sup>3</sup> )
Classical Civilization	(M)
Classics	(M,m)
Cognitive Science	(m)
Communication	(M,m)
Computer Science	(M,m)
Economics	(M)
Education	(M <sup>1</sup> )

Educational Psychology	(m)
English	(M,m)
Environmental Studies	(M,m)
Ethics	(m)
Exercise and Sport Science	(M <sup>2</sup> ,m)
Film Studies	(m)
French	(M,m)
Gender Studies	(m)
German	(M,m)
Global Science, Technology, and Society	(m)
History	(M,m)
International Economics and Finance	(M)
International Relations	(M)
Japanese	(m <sup>3</sup> )
Latin	(M)
Latin American and Iberian Studies	(M,m)
Leadership Studies	(m)
Mathematics	(M,m)
Media Studies	(M,m)
Music	(M,m)
Nonprofit Organizations and Policy	(m)
Philosophy	(M,m)
Physics	(M,m)

Political Science	(M,m)
Psychology	(M,m)
Religious Studies	(M,m)
Sociology	(M,m)
Southwestern and Mexican Studies	(m)
Spanish	(M,m)
Theatre	(M,m)
Western Intellectual Tradition	(m)

<sup>1</sup> *The Education Department offers a Masters of Arts in Teaching (MAT) degree.*

<sup>2</sup> *The department offers an interdisciplinary major combining exercise and sport science with another discipline. See Special Program Option.*

<sup>3</sup> *By special program option.*

Requirements for the major consist of at least eight but not more than 11 course credit units, approved by the department chair or program director as described in the Courses of Instruction section of this Bulletin. Courses in the major may be counted toward meeting the requirements of the Breadth Dimension. At least three course credit units must be taken at Austin College from courses numbered 300 or above.

A minor consists of five to seven courses credit units, approved by the department chair or program director. The minor affords students the opportunity to combine an in-depth study of a second area while also broadening their education. Courses in the minor may be counted toward the Breadth Dimension requirement. At least two course credit units must be taken at Austin College from courses numbered 200 or above.

No course may be counted toward meeting the requirements stated above for more than one major or one minor.

### January Term

January Term offers the student a unique educational experience in which a single course is taken over a three-and-a-half-week term. Three course credit units (or a January term course for each fall term enrolled at Austin College) are required for graduation. January term courses may be used for other graduation requirements only by special approval.

### Quantitative Reasoning Requirement

Quantitative reasoning means the ability to apply the tools of mathematics, including statistics, in some area or areas of discourse. This requirement is met by the satisfactory completion of an approved course(s) in which the student must demonstrate the ability to understand and utilize quantitative data and analysis to construct and to assess arguments and to solve problems. A list of approved courses is available in the Office of the Registrar.

## Writing Competency Requirement

Courses across the curriculum with an intensive writing component are designed to build upon and reinforce writing skill development initiated in Communication/Inquiry. Courses approved for this requirement give students opportunities for serious practice and/or revision of their written work. In class and in individual conferences students receive special instruction in writing techniques specific to their assignments and course discipline. Course guidelines and a list of approved courses are available in the Office of the Registrar.

## Electives

Each student's academic program is further supplemented by elective courses as needed for completion of at least 34 course credit units.

## Special Program Option

The Special Program Option is available to students who wish to design a non-traditional or interdisciplinary major or minor not listed in the college *Bulletin*. Those pursuing this option must describe carefully in writing their educational background, levels of achievement, and how the specially designed major or minor will assist them in meeting their educational goals and objectives. The Special Program Option is particularly adaptable to the needs of students interested in studying interdisciplinary subject areas or in preparing for unique career fields.

The student and mentor discuss the written statement and prepare a detailed plan or learning contract for achieving goals and objectives. Students meet the same requirements for the Bachelor of Arts degree as listed above except for the Breadth Dimension and the major or minor. The degree plan includes in essay form a statement of the design of the major or minor and how courses and experiences will be used to achieve an education of breadth and depth. Each student must satisfactorily complete a program of breadth and depth, but no set list of courses or number of course credit units is required for either. The proposed special program is submitted to the Academic Standing Committee for approval.

## Departmental Honors Program

The Departmental Honors Program is designed to challenge superior students in their final year of undergraduate study to use their disciplinary training to delve deeper into a topic of interest in the major. The program emphasizes independent investigation and culminates in completion of a bachelor's thesis that is defended by the student in an oral examination administered by the student's thesis committee. The thesis committee consists of three faculty members; two of the members should be from within the department or program of the student's major and the third from outside the student's major. In some cases, specific departments have additional requirements for participation in the program. Successful completion of the Departmental Honors Program is indicated on the student's diploma as "Honors in (Discipline or Field)."

Admittance to the program is by invitation only and is intended for students who are within three semesters of graduation. In no case will students who have less than five months of study remaining before graduation be considered. A student who has excellent research potential and has been performing at an exceptional level in the major and at a level of distinction in other courses may be invited by the department or program chair to participate in the Departmental Honors Program. The evaluation of performance in the major is made exclusively by each department or program. The evaluation of overall performance outside the department is subject to review by the Honors Advisory Committee.

Credit for one or two courses (which may include a January term course) is normally given. If justified by the nature of the project, credit for three courses, including a January term, may be given.

## Other Honors

### Phi Beta Kappa

Austin College shelters the Iota chapter of Texas of Phi Beta Kappa. Election of members in course (student members) is by vote of the faculty and staff key holders of Phi Beta Kappa at Austin College. No student will establish a right to membership simply by achieving a given GPA or by satisfying prescribed requirements.

New members in course are chosen in the spring term. To be eligible for election with a year's class, a student must have graduated in the previous summer or January, or be ready to graduate in May. Normally, prospective members must have the following minimum qualifications:

- Have completed at least three full semesters of work at Austin College and be fully registered for a fourth semester
- Have a GPA of 3.65 or higher in Austin College courses
- Have demonstrated proficiency in a foreign language by any means appropriate for satisfying the Austin College foreign language requirement
- Have demonstrated proficiency in mathematics by having taken at least one course in the Mathematics Department at Austin College at the level of Mathematics 141 or higher, or an equivalent course at another institution, or they must have Advanced Placement credit for an equivalent course. When transfer credits are used to meet the language and math requirements, the quality of the courses will be considered.

Faculty members will consider all students who meet these basic requirements and will elect those who, in their judgment, best exemplify the principles espoused by Phi Beta Kappa. The bylaws provide that new members "shall be elected primarily on the basis of broad cultural interests, scholarly achievement, and good character." They also state that "weight in the selection process shall be given not only to the relative strength of the candidate's academic record, but also to the breadth and proportion of the candidate's program as shown by the number and variety of courses taken outside the major. Preference will be given to candidates who have demonstrated "a spirit of intellectual adventure" by meeting any of a number of criteria including, but not limited to, the following: significant coursework across all three academic divisions of the college, independent research or scholarly activity, or significant advanced work in a field other than the major."

### Honors at Commencement

The faculty selects the two top scholars in each graduating class to receive special medals. The two individuals, with no distinction between them, are awarded the J. C. Kidd and the J. M. Robinson medals. Students with an Austin College cumulative grade point average of 3.85 and above graduate summa cum laude; those with an average of 3.70 through 3.84 graduate magna cum laude; and those with an average of 3.50 through 3.69 graduate cum laude.

### Dean's List

The Dean's List recognizes the top 20 percent of students taking a minimum of three graded, full-credit courses each fall and spring term based on the grade point average for that term. Students with incomplete grades are ineligible for Dean's List consideration.

### Honor Societies

**Alpha Chi:** A national honorary society devoted to the promotion and recognition of scholarship and of those elements of character which make scholarship effective among the undergraduate students in the academic divisions of colleges and universities in the United States.

**Alpha Psi Omega:** A national honorary dramatic society for those doing a high standard of work in dramatics.

**Beta Beta Beta:** A national honor society for students in the biological sciences. Its purpose is threefold: stimulation of sound scholarship, dissemination of scientific knowledge, and promotion of biological research.

**Delta Phi Alpha:** A national honor society for junior and senior honor students who have excelled in their study of the German language.

**Eta Sigma Phi:** A national honorary society for junior and senior students of Latin and/or Greek.

**Omicron Delta Epsilon:** An international honor society for students in economics.

**Phi Alpha Theta:** A national honor society for advanced students in history. The mission of the society is to promote the study of history through the encouragement of research, good teaching, publication, and the exchange of learning and ideas among historians.

**Phi Beta Kappa:** A national honor society for students exhibiting excellence in the liberal arts and sciences.

**Pi Delta Phi:** A national honor society for advanced students of the French language and literature.

**Pi Sigma Alpha:** A national honor society for political science students. Students in international relations are eligible for membership in the Austin College chapter.

**Psi Chi:** A national honorary society for outstanding students in psychology. To be eligible for membership a student must rank in the top one-third of his or her class in general scholarship and must have demonstrated superior scholarship in psychology. A student must have taken experimental psychology.

**Sigma Delta Pi:** A national honor society for advanced students of Spanish literature and culture. The purpose of this organization is to foster a wider knowledge of and greater love for the Hispanic contributions to modern culture.

**Sigma Pi Sigma:** Within the framework of the Society of Physics Students, this honor society recognizes academic achievement in the area of physics. Membership is restricted to students who have demonstrated superior achievement in advanced courses.

### **A Special Calendar for the Academic Year**

Austin College follows a 4-1-4 academic calendar. During the regular fall and spring terms, each lasting 14 weeks, students typically enroll for four full courses. The college's regular curricular offerings are available primarily during the two longer terms.

## **January Term**

January Term is an expression of the college's commitment to life-long learning. It incorporates intensive month-long courses that emphasize experiential learning and experimental formats and topics. The program has three goals:

- That Austin College graduates know how to engage experiential and non-traditional learning styles and integrate them with traditionally gained knowledge and skills
- That more students have international educational experience than would otherwise be the case

- That Austin College faculty gain experience with experiential and non-traditional learning styles and how to engage them

During January, students take only one course. This academic term provides a change of educational pace, more concentrated involvement in one area of study, and a greater emphasis on exploration and experiential learning. Courses during the January term focus on unique topics in depth. Off-campus courses include independent study and career exploration; they also include courses with cross-cultural exploration and language immersion experiences.

All undergraduates must complete one January term course for each fall term they are enrolled, with three being the maximum required. In some courses, the instructor specifies S/D/U grading in order to encourage students to explore fields outside their usual areas of interest. In other courses, a letter grade or S/D/U grading is at the option of the student.

Each year, the majority of the student body, including nearly all first-year students, remains on campus to pursue a January term course or project. Off-campus programs are open to freshmen only by formal agreement of the instructor and the faculty mentor.

With few exceptions, courses offered in the January term are specially designed so that offerings vary significantly from one January to the next. A special on-line bulletin of January term courses describes the offerings each year.

### **Some On-Campus Courses in January Term**

*Printmaking*  
*Native Prairie Restoration*  
*Capitalism in the Movies*  
*Contract Bridge for Scholars*  
*Scientific Visualization and Simulation*  
*James Joyce's Ulysses*  
*Alternative Energy and Building Practices*  
*The Art of Historical Detection*  
*The Language of Spies: Elementary Cryptanalysis*

### **Some Off-Campus Courses in January Term**

*Natural History of the Hawaiian Islands*  
*London Theatre*  
*Rome: The Eternal City*  
*Texas and Global Outsourcing in Austin, Texas*  
*Castles, Crosses, Kilts, and Celts: the History and Culture of Scotland*  
*Experiencing Japanese Culture*  
*Costa Rica: Spanish Immersion in the Tropics*  
*Medicine and Healing Rituals in Chinese and Tibetan Traditions*

# Summer Study, Other Learning Options

## Summer Study

An undergraduate seven-week summer term on campus enables a student to complete as many as two course credit units. Additional course opportunities are available off-campus throughout the summer. Students also may pursue field study projects by securing approval in advance for individual projects off campus. A maximum of three course credit units per year may be completed during the summer study. The summer term is coordinated with the other terms so that by careful planning a student can graduate at the end of three calendar years.

Graduate courses are offered in a seven-week summer term and occasionally in a subsequent four-week session.

## On-Campus Learning Opportunities

### Individual Study

Directed and independent study courses are available in most disciplines. They offer properly qualified students the opportunity during any term to carry out individual work that is unique and intensive on a topic not offered as a regular course. The student works on campus under the general supervision of a faculty member in the appropriate program in a one-to-one relationship. A student may register for only one such course in individualized study (either one directed study course or one independent study course) in any one term.

For either type of course, a detailed description of the project must be submitted on the proper form by the beginning of the term during which the work will be done. The student prepares this statement after consulting with an appropriate faculty member who is willing to supervise the student's work. Approval by the appropriate department chair or program director and the divisional dean is required. Directed and independent study courses may be taken using the standard letter grade system or using the S/D/U system. The proposal form for approval must be submitted to the Office of the Registrar no later than the end of the first week of a fall or spring term or prior to the start of a January or summer term.

**Directed Study** courses are offered at the intermediate (numbered 260) and advanced (numbered 460) level for variable credit ranging from 0.25 to 1.00. To be eligible for a directed study course, a student must have demonstrated a capacity to do individual work and have a cumulative grade point average of at least 2.00.

Directed study at the intermediate level is open to sophomore students or higher during the long term, but freshmen also are eligible during the January term.

Advanced directed study is ordinarily limited to a topic falling within the student's major or minor, and taken only after successfully completing the basic courses in that field. However, by special permission of the department chair, a directed study course also may be taken in another discipline provided the student has completed the basic course work in that discipline plus all necessary prerequisites for the directed study topic.

The topic chosen by the student and approved by the faculty member must be sufficiently delimited to permit significant oral and written reports. A directed study entails considerable student-faculty interaction during the pursuit of the work. The faculty member may assist the student in the preparation of the bibliography or the formulation of the project, and the student is expected to consult the faculty member periodically and report on progress being made. Such conferences usually occur about once every two weeks.

**Independent Study** courses (numbered 490) provide opportunity for a student to use initiative, imagination, and persistence to produce a higher quality body of work such as a research paper, formal report, or art project. Independent study is open only to juniors and seniors who have performed exceptionally well academically with a cumulative grade point average of at least 3.00 and who are judged by the faculty supervisor and department chair to be capable of substantial independent inquiry into a special phase of the subject within their major.

After initial planning in consultation with the faculty supervisor, the student basically works independently. The student is free to consult with the faculty member from time to time but is generally under no obligation to do so. The course may involve library research or special problems. Each study should enhance the understanding of the subject as well as develop the methodology of inquiry. Ordinarily, just one course credit for such study may be earned in any one term.

### Teaching/Learning Participation

Certain departments and programs offer highly qualified students opportunities to learn by sharing in the instructional responsibilities for particular courses.

The student is given a sphere of responsibility so that learning and teaching can be experienced as two aspects of the process. The student's role differs from that of teaching assistants utilized by many colleges and universities. Here the faculty member is as much involved as ever in all aspects of the course. Involvement of a student in teaching/learning participation (numbered 464) in a particular course happens only if the faculty member feels that definite benefit to both the student and the course will result.

Each instructional program unit determines which of its courses, if any, are appropriate for such individual studies in teaching/learning. (The role of laboratory assistant is not appropriate for this type of individual study.) The type of responsibilities and extent of involvement of the student will vary depending on the course and faculty member. This course may be taken only at the undergraduate level. It may not be counted as a substitute for any of the undergraduate teacher education requirements.

## Leadership Institute

### Posey Leadership Institute

**The Posey Leadership Institute** at Austin College offers aspiring student leaders extraordinary opportunities to prepare for lives of leadership and reciprocity. Every year students who have demonstrated a high level of interest and commitment to leadership are invited to participate as members of The Leadership Development Program of the Posey Leadership Institute.

The successful candidate for selection to the Institute shows an awareness of themselves and their impact on others, a demonstrated ability to positively influence others, especially their peers, and a commitment to act as an advocate for leadership as a member of the Austin College community. Members in good standing must participate actively in programs and events of the Institute and complete a series of special courses. These courses include an introductory course on leadership taken in the first year of membership, a second-level course on theories and practices of effective leaders, and an advanced conference on advanced leadership studies. Members of the Institute also are required to engage in experiential learning, an internship or directed study on leadership in action, and assess leadership behaviors in other cultures as part of an international educational experience.

Students of the Posey Leadership Institute commit to active participation and support of Institute activities, frequent community service, and interaction with off-campus mentors from corporate or community organizations. Members also seek opportunities to lead a special program or a project group as a synthesizing experience. Students also may elect, and are encouraged, to take additional courses to minor in Leadership Studies.

## **Environmental Research Areas**

### **Environmental Research Areas and Field Laboratories**

Austin College is fortunate to own five pieces of property in Grayson County that serve as research areas, field laboratories, and nature preserves. The Barry Buckner Biological Preserve and Research Area is a biologically diverse 115-acre site containing native deciduous forest, pine forest, sandstone outcrops, and successional communities. The Lee Harrison Bratz Field Laboratory, located on the sandy soil of the East Cross Timbers vegetational area, is a 76-acre site that consists primarily of deciduous forest, including both upland and bottomland vegetation. The Clinton and Edith Sneed Environmental Research Area, a 100-acre site in the Blackland Prairie vegetational area, is adjacent to Hagerman National Wildlife Refuge; this property includes a small native prairie plot and three ponds. The Sneed ERA is the site of an extensive effort to restore native prairie vegetation. The Garnett Prairie is a 60-acre tract, also in the Blackland Prairie zone; it includes a 10-acre tract of intact native prairie. The McCarley Woods Nature Preserve is a 12-acre site that is primarily upland hardwood forest. These field sites serve as outdoor laboratories for students and faculty in biology and environmental studies to examine organisms in a natural setting. The proximity of these sites to the campus and to one another facilitates comparative studies and long-term research projects. A number of courses including Animal Behavior, Ecology, Evolutionary Biology, Ecosystem Ecology, Plant Biology, Vertebrate Biology, and environmental studies courses use the areas for field trips, class projects, and individual research.

## **Social Science Labs**

### **Robert L. Snider Memorial Social Science Lab**

The purpose of the Social Science Lab (SSLab) is to improve and make more relevant the education of social science students by stimulating and encouraging the use of research as a teaching and learning device. It is located in Hopkins Center Room B2. It was dedicated during the sesquicentennial homecoming in honor of one of the early student coordinators, Robert L. Snider '72, who helped establish internships and resource connections with a metroplex company. The SSLab typically employs three or four students during the academic year with some summer internships.

Field and laboratory research is incorporated as a regular part of the social science courses in an interdisciplinary environment for students and faculty interested in empirical research. Through the SSLab, students can observe political and social behavior, formulate hypotheses about human behavior, test these hypotheses by survey research techniques, and acquire a more immediate and realistic sense of the structure and needs of the community.

## Research Practicum in Social Science Lab

In certain social science disciplines the department's sophomore, junior, and senior students may take a one-fourth course credit research practicum at the SSLab or under an appropriate professor utilizing the SSLab resources. Such work extends over a whole fall term, January term, spring term, or summer term and may be repeated for credit up to a total of one course credit unit. The research practicum is designed so that students may experience social science techniques by working on research projects while gaining an in-depth understanding of a particular area.

Interested students should consult the Social Science Lab coordinator and a faculty member who will be responsible for signing registration forms, serving as a consultant for the student's research, and assessing the final grade. Approval by the director of the Social Science Lab is required. The Social Science Lab has resources such as modules on interviewing, survey research and data analysis techniques, and computer statistical packages that the student may use.

# Internships & CSOC

## Off-Campus Learning Opportunities

Austin College encourages the pursuit of off-campus programs and projects by all students at some point in their college careers. Many of its January term offerings, summer institutes, and non-credit programs provide the means for enriched educational experiences. Field study opportunities are available during the regular academic year and during the summer as well.

## Internships

[Internship Experiences](#) afford students special opportunities not normally available in the classroom. These include career exploration, clarifying interests and skills, networking with professionals, and applying a liberal arts education to "real world" problems. Some internships are available through academic departments while others are administered through Career Services.

**Career Study Off-Campus (CSOC):** A student may earn a maximum of three course credit units through [Career Study Off-Campus](#) (referred to as field study or internship) during a 14-week term and a maximum of two course credit units during the summer. During the January term, one such study course can be taken. Of the total number of course credit units required for the Bachelor of Arts degree, not more than six can be Career Study Off-Campus courses. Courses are graded on an S/D/U basis.

Eligibility requirements for students proposing a Career Study Off-Campus:

- Sophomore, junior, or senior standing at the time the study is undertaken
- Minimum 2.5 cumulative grade point average
- Successful completion of non-credit training workshop on self-directed learning
- Faculty instructor who will agree to evaluate the student's CSOC
- Site supervisor must agree to oversee and ensure that the student's goals and objectives are met. The supervisor also must complete an evaluation for the student upon the completion of the CSOC.

Proposed studies must be of the student's own design and be carried out on-site or sites that provide the student with a substantive view of the work performed in that particular profession. A student will work with an on-site coordinator or supervisor (a qualified individual who can assist and/or partially direct the study). Proposals should reflect substantial academic, intellectual content and contain clear and concise goal statements, learning

objectives, and resources used, as well as some type of tangible end product to be evaluated by the instructor. All proposed studies must be approved by the most appropriate department chair and divisional dean.

Further information regarding specific deadlines, procedures, and workshop dates as well as assistance in the selection and design of various studies is available through the director of Career Study Off-Campus in Career Services in Adams Center.

**Global Outreach “GO” Fellowship Program:** [GO Fellowships](#) are intended to provide meaningful and potentially life-changing experiences for a select group of Austin College students while benefiting the communities they target. Specifically designed for non-profit projects and internships, applicants dedicate part of their summer to meaningful community development projects domestically or abroad. Ten to 15 Austin College students are selected annually as Global Outreach Fellows and stipends support their projects and their participation in the projects or internships. For more information contact the internship coordinator in Career Services by early February.

## Study Abroad Program

The study abroad program aims to facilitate global awareness and promote intercultural understanding by supporting curricular opportunities in international venues.

The program has three general goals:

- That students gain in global awareness and intercultural understanding by taking part in semester or year abroad and by programmatic interaction with students who have completed international experiences.
- That students who study abroad will make gains in global awareness and intercultural understanding.
- That Austin College faculty will be engaged in assessment, advice, and sponsorship of study abroad opportunities consistent with broad curricular aims.

Austin College emphasizes the international education of its students and arranges a variety of experiences throughout the world. Our students go overseas for cultural and language immersion, to pursue work in their majors, to take electives, and to engage in internships. Study abroad, when planned by the student in conjunction with the Center for Global Learning, is an integral part of the student’s degree program. Credit will be converted from the credit system used at the specific study abroad location to Austin College course credits at the rate of four semester hours being equal to one Austin College credit.

Students select from an extensive list of approved programs based on the college’s affiliations with selected organizations and foreign and U.S. institutions. Through approved third-party providers we offer study in Western Europe, Africa and the Middle East, South and East Asia, Polynesia, Australia and New Zealand. Summer programs also are available especially for language immersion and internships. (See College Costs section for information on study abroad program costs.)

Study abroad benefits students in all majors within humanities, social sciences, and sciences. Whether it is French with IES in Paris, chemistry at the University of Sussex, political science in Austria, or biology field studies in Costa Rica or Mexico, students can study their chosen major or minor while gaining insight into language and culture of the host country. Students typically live with host families or in a dormitory with students from the host country. They may attend language classes and choose from a broad range of courses to take with students from the host institution. In English-speaking countries students may benefit from a full integration experience as a student at the host university. In all cases a major goal of an international study experience is to deepen understanding of other cultures to better prepare students for life in a global community.

Students interested in applying for a semester or year abroad in the junior or senior year should begin the information and advising process as early as possible, in their first year on campus if possible. The initial step of application is to contact the student's academic mentor and the Center for Global Learning for advice and counsel. To qualify, the student must have a good academic record, must have demonstrated sufficient maturity and self-discipline to benefit from such study, and, in some cases, must provide evidence of competence in the language of the host country. Students are not eligible to participate in the study abroad program while on probation.

## NSOC & Correspondence

### Independent Study Off-Campus (NSOC)

These courses (numbered 492) afford students an opportunity to carry out independent study at off-campus locations, quite frequently abroad. The criteria (3.00 cumulative grade point average, junior or senior class standing, and depth of preparation) and the approval process for qualifying for an NSOC are the same as for Independent Studies. Students should demonstrate that the off-campus site for the study is essential to the success of the project. Additionally, students must identify an on-site contact person located at the place of study. Ordinarily, students develop NSOC projects for summer or January terms and only one course credit may be earned for such a study. A few program units offer an intermediate-level NSOC (numbered 292). The course is open to sophomore students and the requirements are similar to NSOC 492.

#### Extension or Correspondence Courses

A maximum of eight approved course credit units by extension or correspondence from an accredited college or university may be accepted toward the Bachelor of Arts degree at Austin College. Not more than one-half of this total may be correspondence study. A student enrolled at Austin College may obtain credit for correspondence or extension studies at another institution only if written permission of the registrar has been secured before undertaking the course or courses. Credit to be applied to the major or minor will be accepted only if similar approval has been secured from the department chair or program director.

## Pre-Professional Preparation

Austin College offers excellent pre-professional preparation for law, medicine, dentistry, the ministry, engineering, and other professional schools as well as graduate schools. The primary and common prerequisite for admission to the professional and graduate schools is a sound liberal arts education. The student, in consultation with the faculty mentor, selects an appropriate major in keeping with professional school requirements. Special pre-professional advisors have been designated for each area.

**Pre-Law:** Austin College has a long and successful track record in preparing students for careers in the legal profession. A thorough liberal arts education is the best foundation for students to attain both their personal and professional goals, and law schools respond favorably to this concept. A pre-law advisor aids students in degree planning, law school selection, and the application process. Austin College has a high acceptance rate of its graduates by top law schools in Texas and throughout the nation. The Austin College Pre-Law Society strives to provide students with an understanding of the law and the legal profession as well as information about law schools. Throughout the year it brings to campus guest speakers, such as lawyers, judges, law professors, law students, and law school admissions personnel.

# Health Science

**Health Sciences (Pre-Medicine, Pre-Dentistry, Pre-Allied Health):** The mission of the health sciences program is to assist in educating students about different career opportunities in health care and assist them in the application/interview process to professional schools. Austin College has a long history of excellence in preparing students for entry into a variety of health science programs throughout the United States. The program focuses on providing students with a solid background in the sciences, while placing this background in the context of a broad liberal arts education. Students also are strongly encouraged to gain field experiences through internships or volunteer work so they can apply their education in a health care setting. Students may select a major in any discipline; however, they also must complete certain courses that are required for entry into the specific professional school. The director of Health Sciences can provide information about prerequisites for specific programs. Students are encouraged to seek a major that is of genuine interest to them. The overall strength of the program lies in the development of the whole person: a student's intellect, experiences, and social values.

Austin College has established several January term programs that serve to enrich the health sciences area. In one program, four pre-medical students who have good conversational skills in Spanish spend the January term working and observing in a medical clinic in Pisté, Yucatan, Mexico. Students also may complete a Career Study Off-Campus program (CSOC) during either the January term or summer term. Special CSOCs in January include community-based health education internships in Cameron Park (through UTMB Galveston), Scottish Rite Hospital for Children in Dallas, UT Health Center at Tyler, Medical City in Dallas, Texoma Medical Center in Denison, and Texas Health Presbyterian Hospital – WNJ in Sherman. The Wright Health Sciences Program provides some financial support for summer internships for students who are interested in pursuing a career in the allied health sciences.

Austin College and Texas Tech School of Medicine (TTSOM) have established an early decision/acceptance program. Outstanding Texas residents who choose to attend Austin College and TTSOM may be interested in this special program. Students who enter Austin College with an SAT of 1300 (verbal + math) or ACT of 29 (single administration) and who then maintain a cumulative grade point average of 3.7 and a science grade point average of 3.6 during the first one and one-half years at the college are eligible to be considered for the program. The student will then receive an interview at the medical school in the fall of the sophomore year. If accepted into TTSOM, the student will not need to take the MCAT, but must maintain a cumulative grade point average of 3.7 and science grade point average of 3.6 through the senior year in addition to completing the Bachelor of Arts degree from Austin College. All courses must be completed at Austin College. The student will enter TTSOM in the fall following graduation from Austin College.

Although most Austin College students matriculate into medical or dental school following completion of the Bachelor of Arts degree (normal program or Texas Tech program), it is possible to be accepted into medical or dental school after three years of college work. If an Austin College student is accepted into a professional program after three years, the Bachelor of Arts degree from Austin College may be awarded after successful completion of the first year of professional school, provided that a minimum of 25 courses has been completed and all college requirements for graduation are met excluding approved courses for a major or minor, science courses, or elective credit courses. Details concerning this opportunity can be obtained from the director of health sciences or the registrar.

# Pre-Ministry

**Pre-Ministry:** Throughout its history, Austin College has played a vital role in the education of students preparing for ministerial professions and church vocations. The Department of Religious Studies offers a wide range of non-confessional, critically engaging, multi-faith courses and perspectives in the liberal arts and humanities tradition that a student could utilize to enhance her or his preparation for ministry in its diverse forms.

Students who are interested in pursuing a graduate seminary (M.Div.) degree or more general professional training for a church vocation should register with the college chaplain. Individual mentoring is available with members of the religious studies faculty and the college chaplain.

Each year, representatives from different theological seminaries visit the campus. Please contact the college chaplain, John Williams, for more information.

# Pre-Engineering

**Pre-Engineering:** The Dual-Degree Program in Engineering provides Austin College students the opportunity to earn two undergraduate degrees by obtaining a liberal arts background before specializing in an engineering field. In this program, a student spends the first three or four years at Austin College and then transfers to an engineering school at which a suitable program of study can be arranged. While at Austin College, in addition to the engineering prerequisite courses in mathematics and the sciences, students must complete all other undergraduate degree requirements. Depending on the engineering school and the preparation of the student, between two and three years of work normally are required to complete the degree requirements at the engineering school.

Austin College is one of a select group of liberal arts colleges that has a unique cooperative agreement with Washington University in St. Louis. Agreements also are in effect with Columbia University, which offers a wide range of programs in engineering and the applied sciences, and with Texas A&M University in many traditional engineering disciplines, including chemical engineering. In addition, Austin College and the University of Texas at Dallas offer a special Three-Two Program in Biomedical, Computer, Electrical, Mechanical, Software, and Telecommunications Engineering. These arrangements offer certain advantages to students, but it is possible for students to transfer to a variety of engineering schools, both in the state of Texas and elsewhere, provided sufficient advance planning is undertaken in the first two years at Austin College. An important part of this advanced planning is the Declaration of Dual-Degree Program, which shows how all Austin College requirements for graduation will be met. This Declaration must be filed concurrently with the Major Declaration. Upon completion of the requirements for the degree at the engineering school, the student also is awarded a Bachelor of Arts degree from Austin College.

Austin College does not offer any engineering courses; however, qualified students may earn an engineering course credit from Washington University during the January term. Costs for this, like other special off-campus January term courses, are not included in the basic tuition fee.

It should be noted that this program assumes the same academic preparation prior to admission to Austin College as that required of students admitted directly to the engineering school as freshmen. For example, the student should be ready to enter calculus and physics during the first term of the first year. A student not so prepared may need to take extra courses in a summer term or an extra fall or spring term unless time can be saved elsewhere. It is important that the interested student consult with the pre-engineering advisor in the selection of all courses to be taken at Austin College.

# Academic Regulations

## Course Credits and Classification

Progress toward graduation is measured through course credit units. Austin College is on a 4-1-4 calendar system and considers one course credit unit to be equivalent to four semester hours. Most curricular offerings are one course credit unit. Other classes, as designated, may carry only one-fourth or one-half course credit unit.

Student classification is determined at the beginning of each term:

An **undergraduate student** is one who does not hold a bachelor's degree and is enrolled in undergraduate courses.

A **full-time undergraduate student** is one who is registered for at least three course credit units during a fall or spring term, at least two course credit units during the summer term, or one course credit unit during the January term. For purposes of federal financial aid, an undergraduate student must be registered in three course credit units in the fall or spring to be considered full-time and at least one and one-half course credit units during the fall, spring, or summer term to be considered half-time.

A **part-time student** is one who is registered for fewer course credit units than are specified for full-time status.

A **freshman** is one who has satisfactorily met all entrance requirements for the bachelor of arts degree program and who has completed less than 8 course credit units.

A **sophomore** is one who has completed at least 8 course credit units.

A **junior** is one who has completed at least 17 course credit units.

A **senior** is one who has completed at least 25 course credit units.

A **special high school student** is one who has been admitted to one or more undergraduate courses while concurrently enrolled in high school.

A **graduate student** is one who holds a bachelor's degree and has been admitted to the graduate program.

A **full-time graduate student** is one who is registered for at least two course credit units during a fall or spring term, at least one course credit unit for the summer term, and at least one course credit for the January term. For purposes of financial aid, a graduate student must be registered in two course credit units during the fall or spring to be considered full-time and at least one course credit unit during the fall, spring, or summer term to be considered half-time.

A **provisional graduate student** is one who holds a bachelor's degree and has been admitted to the Austin Teacher Program but has not yet been admitted to the graduate program.

A **special undergraduate student** is one who has been admitted to one or more undergraduate courses but has not been admitted to work toward a degree.

A **special graduate student** is one who holds a bachelor's degree and has been admitted to one or more graduate courses but has not been admitted to either the Austin Teacher Program or the graduate program.

## Registration and Withdrawal

**Registration:** A student becomes a member of a class only by registering or adding the class through the proper procedures. The instructor receives the student's name by official notice from the registrar and in no other way. Any course for which a student registers will be recorded with an appropriate grade on the student's transcript unless the student drops the course through the proper procedure. A student is expected to attend and participate in each course for which he or she registered until officially withdrawn from that course.

Continuing students may register for no more than 4.75 course credit units during the November and April registrations. They may not add a fifth full credit course until the day after classes commence and all entering freshmen and transfer students have registered.

**Change of Registration:** Students may change their initial registrations by adding or dropping courses within the time period specified in the academic calendar for each term. The student's mentor must approve all changes. There is a \$20 late fee charged for petitioned adds processed after the official add period (first week of class for the fall and spring terms). The charge is the same for both full and fractional credit courses.

**Course Overload:** Students who register during a long term in excess of five course credit units are required to pay an overload fee (See College Costs). Students may register for no more than 5.75 course credit units in a long term unless approved by their mentor and the Academic Standing Committee. The academic standing petition form for a course overload is available in the Office of the Registrar or under Forms on the Registrar's Office Web site.

**Withdrawal and Dismissal from College:** In order to prevent questions and ambiguities that could arise at a later date, a student withdrawing from Austin College should consult the vice president for Student Affairs and Athletics, and should give formal written notice of withdrawal. This notice, filed with the student's record, serves as an explanation of the withdrawal.

The college reserves the right to exclude at any time students whose conduct or academic standing it regards as unsatisfactory, without assigning any further reasons.

**Class Attendance:** Class attendance is expected of all students. Within the first week of each term, the instructor will communicate the attendance policy for each class. Irregular attendance or excessive unexcused absences may result in the lowering of the student's grade for a course or the student being dropped from the course with a failing grade.

## Examinations, Grading, and Reports

To receive credit in a course, each student must satisfactorily complete the assigned work by the end of the term and a final examination when specified. Assigned work in the course may include class recitation, daily written work, short quizzes, library reading, research papers, tests, and other requirements that enhance learning and enable the instructor to evaluate the progress of the student.

Absence from a scheduled final examination without appropriate excuse may result in failure of the course. An appropriate excuse derives from causes beyond the control of the student. The final examination schedule is available on the Austin College Web site or in the Office of the Registrar.

**Grading System:** Courses used to meet requirements for the Foundation (Communication/Inquiry) and Breadth Dimension must be taken using the standard letter grade system (A, A-, B+, B, B-, C+, C, C-, D+, D, D-, or F).

A student may opt to take a maximum of one course per term on a Satisfactory/Deficient/Unsatisfactory (S/D/U) basis excluding courses that have a mandatory S/D/U grading system. Students may elect no more than a total of four courses during their academic career to be graded on an S/D/U basis. Transfer students may elect a proportionate number of courses to be graded on the S/D/U basis during their academic career as determined by the number of terms attended.

The student designates the grading system to be used in a course at the time of registration but may elect a change in grading system by filing a request with the Registrar's Office according to the deadline published in the academic calendar.

### Grading Regulations

The following grades are used at Austin College:

<b>A</b>	Unusual and superior achievement
<b>B</b>	Intelligent, articulate achievement, above-average in fulfilling course requirements
<b>C</b>	Passing work, representing graduation average
<b>S</b>	Satisfactory achievement (work must be at or above C- level)
<b>D</b>	Passing but deficient work performance, below the standard required for graduation
<b>F</b>	Failure without privilege of re-examination
<b>U</b>	Unsatisfactory work
<b>I</b>	Incomplete. Incomplete grades are given only if circumstances beyond the student's control prevented completion of the course. To obtain credit, an incomplete grade must be removed by the end of the next regular term. Unless the incomplete is removed within the time set, the grade in the course will automatically become F or U.
<b>W</b>	Withdrawal from the course by the first day of the seventh week of the fall or spring term
<b>WP</b>	Withdrawal with a passing status. Students must initiate such a withdrawal by the last day of instruction of a 14-week course. The WP grade on either a letter grade system or S/D/U system represents a D- or higher.
<b>WF/WU</b>	Withdrawal with a failing or unsatisfactory status. Students must initiate such a withdrawal by the last day of instruction of a 14-week course. The WF grade is given for a course taken on a letter grade system if the student has a grade below a D-. The WU grade is given for a course taken on the S/D/U grade system if the student has a grade below a D-.

Note: the last day of instruction is defined as the Monday proceeding the final examination period.

Grade points are earned as follows:

<b>A</b>	= 4.0
<b>A-</b>	= 3.7
<b>B+</b>	= 3.3
<b>B</b>	= 3.0
<b>B-</b>	= 2.7
<b>C+</b>	= 2.3
<b>C</b>	= 2.0
<b>C-</b>	= 1.7
<b>D+</b>	= 1.3
<b>D</b>	= 1.0
<b>D-</b>	= 0.7
<b>F</b>	= 0
<b>U</b>	= 0
<b>WF</b>	= 0
<b>WU</b>	= 0

Courses with grades of F, U, WF, or WU are counted as courses attempted for purposes of computing grade point averages. Courses with grades of S, W, WP, or I are not included in the computation of grade point averages.

Students may repeat for additional credit only those courses so designated in the Bulletin. When a course is repeated to raise a grade, all attempts and grades remain listed on the transcript but are marked to indicate the course has been repeated. Only the last attempt is used to determine credit earned and grade point average (unless the grade for the last attempt is a W, WP, WF, or WU, in which case the previous attempt is used to determine credit and grade point average). Courses cross-listed in the Bulletin (such as Business Administration 361 and Economics 361) are treated as if they are the same course. Only courses repeated at the college can be used to raise a grade.

## Transfer Credit for Continuing Students

Continuing students may with prior approval enroll in courses at other colleges and universities and transfer credit to their Austin College degree program. Transfer approval forms are available in the Office of the Registrar. The following transfer credit policies apply to summer or concurrent transfer courses:

- Transfer courses must be consistent with the academic programs of Austin College.
- Only transfer courses with a grade of 'C' or higher will be accepted.
- Transfer courses taken in a semester hour system will be converted to course credit units at the rate of four semester hours being equal to one Austin College credit.
- Transfer courses being used to meet requirements for a major, minor, or prerequisites must be approved by the appropriate department chair or program director.
- Transfer courses not previously accepted are reviewed by the appropriate department chair or program director to ensure the appropriateness of the course in an Austin College degree program.
- Transfer courses being used to meet the language competency requirement must be approved by the chair of the Classical and Modern Language Department.
- Transfer courses may not be used to meet Breadth Requirements.
- Transfer courses will not be used in calculating the cumulative grade point average or major and minor grade point average.
- Transfer courses will not be used as repeats of Austin College courses for recalculation of grade point averages.
- Eight of the last 11 course credit units in a student's degree program must be completed at Austin College.
- Students may petition for individual approval of a transfer course not normally accepted at Austin College. Students must provide a syllabus or complete course description and specify how the course is relevant to their degree program.

It is the responsibility of the student to ensure that an official transcript from the other institution is sent to the Austin College registrar.

## Academic Probation and Suspension

Students' academic records are reviewed at the end of each fall and spring term. A cumulative grade point average of 2.00 is the minimum standard for graduation. Only Austin College grades are included in this calculation. A student whose cumulative grade point average falls below 2.00 will automatically be placed on academic probation through the following 14-week term. At the end of the probationary term the following action may be taken:

- If the student's cumulative grade point average is above 2.00, the student will be removed from academic probation.
- If the student's cumulative grade point average is below 2.00 but the student earns a term grade point average of 2.25 or higher and completes a full course load (3 credits) during the probationary period, the student's academic probation will be extended through the following 14-week term.
- If the student's cumulative grade point average is below a 2.00 and the student's probationary term grade point average is less than 2.25, the student may be suspended from the college.

A notation of probationary status is placed on the transcript of any student on academic probation.

Probation is intended to alert the student to current difficulties and the need for corrective action. Students on academic probation remain in good standing, but are strongly urged to consult with their mentor or the Office of Student Affairs and Athletics to work out a plan for earning removal from probation. Students on probation are required to concentrate primarily on academic endeavors until their level of academic achievement improves so they can be removed from probation. Those students on academic probation may not hold an office or hold committee responsibility in student organizations, but they may continue to be members of organizations and

may attend social functions. Such students are not allowed to represent the college in any official capacity. When there is sufficient justification, an exception to these restrictions may be granted by the Academic Standing Committee.

Any student whose term or cumulative grade point average falls below 1.00 is not considered to be making satisfactory progress and may be suspended. A notation of suspension is placed on the transcript of the student's academic record. Suspension does not apply to students who have officially withdrawn from Austin College prior to the end of the term. Each case is considered individually.

### **Readmission Following Suspension**

A student placed on academic or disciplinary suspension may apply for readmission after a specified period of one or two regular terms. Readmission is at the discretion of Austin College. To be considered for possible readmission, a student must have a personal conference with the vice president for Academic Affairs and the vice president for Student Affairs and Athletics (or their designees) one month prior to the term for which readmission is sought. If readmitted, the student will be on probation with specific stipulations of the progress required for continuation. Failure to meet these stipulations will lead to suspension for a full academic year.

Any credits earned elsewhere during a period of academic suspension will not be accepted as transfer credit toward an Austin College degree. In the case of disciplinary suspension, the vice president for Student Affairs and Athletics, in consultation with the registrar, will determine the acceptance of transfer credit.

### **Access to Records and Files**

Academic files for all students are housed in the Office of the Registrar, and students' educational portfolios are maintained in the Office of Student Affairs and Athletics. The Family Educational Rights and Privacy Act of 1974 assures students and parents, both in public schools and in colleges and universities, the right to inspect their school records and files. There also are provisions concerning release of material in a student's file to outsiders. Austin College complies fully with the legislation and follows the guidelines issued by the Department of Education. The official statement of compliance by Austin College regarding the 1974 Family Educational Rights and Privacy Act is published in the Outback Guide. Any questions about these policies and procedures should be referred to the registrar or the vice president for Student Affairs and Athletics.

### **Commencement**

Austin College has three dates when students may complete their degree requirements: May, August, or January. The official date is placed on the diploma and on the student's permanent record.

Austin College holds a single graduation exercise each year in May. Candidates completing the requirements for a degree during the spring term are expected to participate in baccalaureate and commencement ceremonies. Students who complete their degree requirements at other times of the year are invited to participate in the May commencement.

Normally, only those students who have completed all degree requirements or candidates for summer graduation may participate in the graduation exercises. Candidates approved by the faculty for May graduation who subsequently fail to complete all necessary requirements may participate in that year's graduation exercises. The actual diploma is mailed after all requirements are satisfied.

Students who are within three course credit units of completing all degree requirements during the summer may participate in graduation exercises. Candidates for summer graduation should consult the Office of the Registrar concerning requirements for participation in graduation exercises.

The college reserves the right to withhold the degree from any student whose conduct or academic standing it regards as unacceptable.

## Courses of Instruction

For an explanatory statement concerning graduation requirements, see previous section, The Academic Program.

**Course Numbering:** The course number generally reflects the academic level at which the course is offered. January term courses are numbered 100, 200, 300, 400. Other courses are numbered as follows:

001-099	Participation/proficiency non-credit courses
101-199	Introductory-level work
201-299	Intermediate-level work
301-399	Advanced-level work
401-499	Most advanced courses
500-599	Graduate-level work (see section on Teacher Education for further descriptions of 500-level courses)

**Course Credit and Student Load:** The course is the unit of credit occupying approximately one-fourth of the student's study time during a 14-week term and all of one's study time in the January term. During the 14-week term, as a general guideline, the college expects from its students a minimum commitment of nine to 10 hours of engagement a week per credit unit, to include class time, preparation and reflection. Unless otherwise indicated, each course listing constitutes one course credit unit. Fractional courses are so indicated. Only those courses listed as repeatable may be taken again for additional credit. During each long term (fall and spring), the typical course credit load for undergraduate students enrolled full-time is three or four courses. Credits presented from other institutions will be converted to course credit units at the rate of four semester hours equal to one course credit unit.

**Time of Offering:** Most courses are offered once or twice each year provided there is adequate registration. Certain courses are scheduled to be offered less frequently. The planned schedule for regularly offered courses may be found at the end of the course description. The college reserves the right to change this schedule if necessary.

**Arrangement:** The Courses of Instruction section is organized alphabetically by the official name of the academic program and includes both academic departments and interdisciplinary programs. Some academic departments include the courses of more than one discipline and are listed alphabetically within the department.

# Academic Departments and Courses of Study

**African Studies**

**American Studies**

**Art and Art History**

**Asian Studies**

**Biology**

**Chemistry**

- *also Biochemistry*

**Classical and Modern Languages**

- *Chinese*
- *Classics*
- *French*
- *German*
- *Japanese*
- *Spanish*

**Cognitive Science**

**Communication, Media, and Theatre**

- *Communication*
- *Media Studies*
- *Theatre*

**Economics and Business Administration**

- *Business Administration*
- *Economics*
- *also International Economics and Finance*

**English**

**Environmental Studies**

**Exercise and Sport Science**

**Film Studies**

**Gender Studies**

**General and Divisional Studies**

## **Global Science, Technology, and Society**

## **History**

## **Latin American and Iberian Studies**

## **Leadership Studies**

## **Mathematics and Computer Science**

- *Computer Science*
- *Mathematics*

## **Music**

## **Nonprofit Organizations and Public Service**

## **Philosophy**

- *also Ethics*

## **Physics**

## **Political Science**

- *also International Relations*

## **Psychology**

- *also Educational Psychology*

## **Religious Studies**

## **Sociology and Anthropology**

- *Anthropology*
- *Sociology*

## **Southwestern and Mexican Studies**

## **Western Intellectual Tradition**

## **Teacher Education**

# FOUNDATION COURSES

## COMMUNICATION/INQUIRY

*Danny Nuckols, director*

### **CI 101 Communication/Inquiry (Freshman Seminar)**

Communication/Inquiry 101 (C/I 101) serves as the foundation course in the undergraduate curriculum. Seminar topics vary with the interests and specialization of instructors. At the same time, each seminar section emphasizes enhancement of skills in writing, oral communication, computer technology, and library usage, along with attention to other facets of intellectual inquiry and critical thinking. The C/I instructor serves as the student's faculty mentor. Mentors are well versed in advising across the curriculum. (Each fall)

### **CL 245 Communication/Leadership**

Selected upper-class students serve as members of faculty-student leadership teams in planning and implementing the various sections of Communication/Inquiry 101. Admission by special permission of program director and C/I faculty. (Graded on S/D/U basis). (Each fall)

# African Studies

## AFRICAN STUDIES

### **AFST 121 African History and Cultures**

A survey of African history and cultures focusing on the roots of African institutions, the impact of colonialism, and the modern era of independence. While North Africa is included, the emphasis is on sub-Saharan Africa. The course includes special concentration on contemporary problem areas, e.g., Angola, Namibia, and South Africa. (Each spring)

# American Studies

## AMERICAN STUDIES

*Greg Kinzer, director*

American Studies is an interdisciplinary major that explores the diverse character of American intellectual and cultural life, both past and present. The program engages the United States as well as its place in a global world from a wide range of disciplinary perspectives.

American Studies helps students develop critical skills in cultural analysis, gain a knowledge of and appreciation for the diverse racial and ethnic backgrounds, gender roles, class backgrounds, and other forms of diversity in American society, and develop a broad and multidisciplinary perspective of the U.S. so as to better understand its past, present, and possible futures.

A **major in American Studies** consists of a minimum of eight course credit units, including American Studies 231 (or an approved substitute) and the following:

**One course focused on American art, film, literature and/or music, such as:**

ARTH 250 – Topics in Art History (depending on topic)  
ARTH 343 – Modern Art and Architecture  
ENG 250, 251, 252 (depending on topic)  
ENG 353 – Studies in 19th Century American Literature  
ENG 363 – Studies in 20th Century American Literature  
MUS 114 – Rock ‘N’ Roll  
MUS 118 – 20th Century American music  
MUS 342 – Aspects of 20th Century Music (depending on topic)

**One course focused on American ethnic experience, such as:**

ENG 250, 251, 252 (depending on topic)  
ENG 353 – Studies in 19th Century American Literature (depending on topic)  
ENG 363 – Studies in 20th Century American Literature (depending on topic)  
HIST 282 – Civil Rights: 1945 – present  
HIST 250/350 – Topics in History (depending on topic)  
HIST 284 – The History of Texas  
HIST 329 – The Spanish Borderlands  
ANTH/SOC 236 – Anthropology of the City (depending on topic)  
ANTH 362 – Immigration Policy and the Immigrant Experience  
ANTH/SOC 365 – Race & Ethnic Relations  
GS 250 – Intro to Southwestern Studies

**One course focused on American culture before 1900, such as:**

ENG 250, 251, 252 (depending on topic)  
ENG 353 – 19th Century American literature  
HIST 162 – U.S. History to 1876  
HIST 284 – The History of Texas  
HIST 329 – The Spanish Borderlands  
HIST 361 – American Colonial History & Revolutionary War Era  
HIST 363 – Civil War & Reconstruction  
HIST 364 – United States: Gilded Age and Progressive Era

**One course focused on scientific or social scientific study of American culture, such as:**

ANTH/SOC 236 – Anthropology of the City (depending on topic)  
ANTH 362 – Immigration Policy and the Immigrant Experience  
ANTH/SOC 365 – Race & Ethnic Relations  
PSCI 110 – American Government  
PSCI 120 – American Political Thought  
PSCI 310 – Congress  
PSCI 311 – The Presidency  
PSCI 315 – Campaigns and Elections  
PSCI 410 – U.S. Constitutional Law  
PSCI 432 – U.S. Foreign Policy  
SOC 121 – Marriage and Family (depending on topic)  
SOC 241 – Sex and Gender in Society  
SOC 385 – Social Movements

The same course may count toward more than one of the above listed categories, if appropriate (please consult with the director prior to enrollment). Many departments offer topics courses appropriate to the above categories in addition to the courses listed here, and these courses may be included with director's approval. Of the required coursework, at least three courses must be numbered 300 or above. It is strongly recommended that AMST 231 be taken no later than the first semester of the student's junior year.

A **minor in American studies** consists of a minimum of five course credit units, including American Studies 231 (or an approved substitute) and one course that satisfies each of the four categories listed for the major (see above). The same course may count toward more than one of the categories, if appropriate (please consult with the director prior to enrollment). Of the required coursework, at least two courses must be numbered 200 or above, and one course must be numbered 300 or above.

### **AMST 231 Introduction to American Studies**

An exploration of the interdisciplinary field of American Studies through a rich array of materials, themes and approaches from many disciplines, including American literature, visual studies, popular culture, border studies, and ethnic studies, among others. The course examines key debates and social movements in American culture from a variety of these approaches in order to gain a deeper – and more inclusive – understanding of the richness and diversity of American experience. (Offered on an occasional basis)

### **AMST 250 Intermediate Topics in American Studies**

A study of selected topics and issues offered on an occasional basis. May be repeated when topic varies.

### **AMST 260 Intermediate Directed Study (Variable course credit)**

### **AMST 350, 450 Advanced Topics in American Studies**

An advanced study of selected topics in American studies offered on an occasional basis. Prerequisite: permission of instructor. May be repeated when topic varies.

### **AMST 460 Advanced Directed Study(Variable course credit)**

### **AMST 490 Independent Study**

# Art & Art History

## Art & Art History

*Tim Tracz, chair; Jeffrey Fontana, Mark Monroe, Mark Smith*

*Cedra Wood (Visiting)*

*Joseph Allison (Studio Manager)*

The program in art provides experiences in the practice and history of the visual arts, serving a major and minors in art, with possible specializations in art history, and in the various media. The department provides the non-art concentrator opportunities to think in non-linear ways, and to stretch problem solving skills in the search for multiple solutions. For those to whom they are goals, the program attempts to prepare students for careers as exhibiting artists or as professional art historians. Art coursework has application to skills and abilities necessary for related fields, such as commercial art, architecture, and arts management. Those skills and abilities are found to be very desirable in career fields seemingly remote from the fine arts.

The program in art history provides experiences in the analysis and interpretation of works of visual art within their historical contexts. The curriculum supports a minor in art history, a specialization in art history within the art major, and independent majors concentrating in art history. The program is presently limited to Western art. Through its points of contact with literature, history, philosophy, religion, economics, music, biology, political science, and physics, art history builds bridges between the visual arts and disciplines practiced in numerous departments across the Austin College campus. The critical skills students develop and practice through speaking and writing are transferable to other disciplines.

**A major in art** consists of a minimum of nine course credit units, including Art 113, 114, and any three approved courses in art history, plus four elective course credit units. Students who plan to attend graduate school in art or who intend to make art a career should take a maximum number of art courses, possibly on a special degree plan. Such students should consult with an art adviser as early as possible. Students who wish to concentrate in art history may do so within the art major or with a special major plan. Studio courses usually require six hours of laboratory and six hours of individual work per week. The senior art major concentrating in studio art is required to present an exhibition of work during the semester preceding graduation.

**A minor in art** consists of a minimum of five course credit units including Art 113 and any art history course and at least two courses numbered 200 or above.

**A minor in art history** consists of five course credit units, two of which must be at the 300 level or above. Required courses include either Art History 231 or 232, which would serve as a prerequisite for any higher level art history course, and one studio course, either Art 113 or 114. The Art and Art History Department encourages the study of art history during an abroad experience, and upon pre-approval will accept toward the minor up to two courses taken at other institutions.

Art majors and minors are encouraged to spend some part of their college career in a major art center either in this country or abroad. This can be accomplished through participation in a study abroad program, January term programs off-campus, individual projects off-campus, a summer abroad, or through other possibilities. We encourage art and art history majors and minors to arrange partial credit NSOCs in conjunction with off campus studio and art history classes, in order to optimize transfer of credit. See the department chair or art historian for advice in this matter.

A fee for art supplies is assessed through the Business Office for many art courses.

## **ART**

### **ART 113 Art Fundamentals**

Basic studio course in art, providing introductory experiences in design and art theory. This class is restricted to first- and second-year students, or permission of instructor. (Each fall and spring)

### **ART 114 Drawing**

Beginning work in drawing. This class is restricted to first- and second-year students, or permission of instructor. (Each fall and spring)

### **ART 250 Topics in Art**

Special subjects offered periodically or on a rotating basis. Prerequisite varies depending upon subject. May be repeated when topic varies.

### **ART 251 Painting**

Basic studio practice with various subject matter, techniques, and approaches. Prerequisite: Art 113 or permission of instructor, Art 114 preferred. (Each fall)

### **ART 252 Sculpture**

Basic studio practice with various subject matter, techniques, and approaches. Prerequisite: Art 113. (Each fall or spring)

### **ART 255 Ceramics**

Basic experience in the designing, shaping, firing, and glazing of ceramic ware. Prerequisite: Art 113 or 114. (Each fall or spring)

### **ART 256 Photography**

Basic experience in photography as a medium of creative visual experience. Prerequisite: Art 113 or 114. (Each fall and/or spring)

### **ART 260 Intermediate Directed Study (Variable course credit)**

### **ART 314 Advanced Drawing**

Continuation of drawing with advanced projects and techniques. Prerequisite: Art 114. (As needed)

### **ART 351 Advanced Painting**

A continuation of painting. Prerequisite: Art 251. (As needed)

### **ART 352 Advanced Sculpture**

A continuation of sculpture. Prerequisite: Art 252. (As needed)

### **ART 355 Advanced Ceramics**

Continuation of ceramics with advanced projects and techniques. Prerequisite: Art 255. (As needed)

### **ART 356 Advanced Photography**

Continuation of photography with advanced projects and techniques. Prerequisite: Art 256. (As needed)

### **ART 357 Digital Imaging**

Introduction to the computer as a tool in art making. Prerequisite: 2 studio art classes. (Each fall and/or spring)

### **ART 450 Advanced Topics in Art**

Prerequisite varies depending upon subject. May be repeated when topic varies.

### **ART 460 Advanced Directed Study (Variable course credit)**

### **ART 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular art course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under "On Campus Learning Opportunities")

### **ART 490, 491 Independent Study**

Individual study in art history, art education, or studio art. Prerequisite: one course in appropriate subject field.

### **ART 492 Independent Study Off-Campus/NSOC**

### **ART 495 Senior Conference (Variable course credit)**

A thesis or final project in art history, art education, or studio art. Fractional or full course credit unit. (Each fall and spring)

## **ART HISTORY**

### **ARTH 231 Western Art: Ancient to Medieval**

The history of western painting, sculpture, and architecture from prehistory to the late Gothic. (Each fall)

### **ARTH 232 Western Art: Renaissance to Modern**

The history of western painting, sculpture, and architecture from the Italian Renaissance to Post-Modernism. (Each spring)

### **ARTH 250 Topics in Art History**

Special subjects offered periodically or on a rotating basis. Prerequisite varies depending upon subject. May be repeated when topic varies.

### **ARTH 343 Modern Art and Architecture**

The history of European and American painting, sculpture, and architecture from the 19th century to about 2000. Prerequisite: Art History 231 or Art History 232. (Every other year)

### **ARTH 345 Italian Renaissance Painting and Sculpture**

This course examines Italian painting and sculpture of the 15th and 16th centuries, after an initial look at the "proto-Renaissance" of the 14th century. Closest attention will be paid to the arts in Florence, Rome and Venice. Prerequisite: Art History 231 or Art History 232. (Every other year)

### **ARTH 347 Baroque Painting and Sculpture**

This course examines the development of Baroque painting and sculpture in Italy, Spain, France, Flanders and Holland, in the context of the Counter Reformation, the monarchy of King Louis XIV and the burgeoning Dutch middle class. Particular attention will be paid to the Carracci, Caravaggio, Bernini, Poussin, Velazquez, Rubens, Rembrandt and Vermeer. Prerequisite: Art History 231 or Art History 232. (Every other year)

### **ARTH 349 A History of Beauty in the Visual Arts**

This course examines the ways we have sought to understand and define beauty in the visual arts, particularly in association with the body, and how these ways have changed from ancient Greece through the 20th century. Prerequisite: Art History 231 or Art History 232. (Every other year)

### **ARTH 450 Advanced Topics in Art History**

Prerequisite varies depending upon subject. May be repeated when topic varies.

### **ARTH 460 Advanced Directed Study in Art History (Variable course credit)**

### **ARTH 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular art history course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under “On Campus Learning Opportunities”)

### **ARTH 481 Seminar in Art History**

Seminars dealing with selected topics in art history. May be repeated when topic varies.

### **ARTH 482 Internship in Art History (Variable course credit)**

Placement in a museum or gallery (e.g., in the Dallas-Fort Worth Metroplex or in New York City) in which the student works as an unpaid intern for up to 40 hours a week and completes additional academic work.

Prerequisite: A range of courses in art and art history and permission of instructor. May be repeated for up to two credits.

### **ARTH 490, 491 Independent Study in Art History**

Individual study in art history, art education, or studio art. Prerequisite: one course in appropriate subject field.

### **ARTH 492 Independent Study in Art History Off-Campus/NSOC**

## **Asian Studies**

### **ASIAN STUDIES**

*Scott Langton, director*

The Asian Studies program introduces students to different aspects of Asian societies and cultures through interdisciplinary study. Through examination of the many cultures of ancient and modern Asia from a variety of disciplinary perspectives, students develop an appreciation for diversity as well as a deeper awareness of themselves and western culture in the context of the larger world.

**A major in Asian studies** consists of a total of eight courses, three of which must be at the 300 level or higher. Students must take courses from at least four disciplines, including two Asian Studies courses: Asian Studies 250 and 350 (or approved interdisciplinary substitutes), which vary by topic each term. All Asian Studies majors must satisfy at least one of the following requirements:

1. An Independent Study Off-Campus (NSOC) with an Asian focus.
2. Study in an Asian country
3. A Career Study Off-Campus (CSOC) with an Asian focus, or
4. An independent research project or honors thesis in Asian Studies. Students also must demonstrate competency with an Asian language by either completing 4 semesters of study or testing at the equivalent level. Up to three language skills courses may count toward the major but only courses above the 201 level or its equivalent. Language house or conversation classes cannot count toward the total number of credits.

It is recommended that students choose a focus when designing their major plan: e.g., regional (East Asia, South Asia), or thematic (religion, politics, language and literature, history and society). It is also strongly advised that majors participate in a structured international experience in Asia (study abroad, internship, January term) before graduation. However, a minimum of three credits must come from full-credit courses taken at Austin College, and if the student takes fewer than four courses at Austin College for a major, only one course credit may come from a January term.

**A minor in Asian studies** consists of a minimum of six course credit units including Asian Studies 250 or 350 or an approved substitute, two courses numbered 300 or above, and courses from at least three disciplines. A minimum of two credits must come from full-credit courses taken at Austin College, and if a student takes fewer than three courses at Austin College, only one course credit may be earned during a January term. No more than two course credit units in language study will count toward the minor. Language house or conversation classes cannot count toward the total number of credits. Although there is no specific language requirement for the minor, it is strongly recommended that students take classes in an Asian language as part of their studies. Students wishing to pursue Asian studies beyond the minor, however, need proficiency in an Asian language.

It is recommended that students organize coursework in their Asian studies minor to stress a theme, such as Asian culture or social systems; or a geographical concentration, such as East Asia or South Asia. It also is recommended that students pursue a senior research project tying together their course experiences and interests.

Disciplinary courses approved for Asian Studies are listed in the course schedule each term.

**ASST 250 Intermediate Topics in Asian Studies**

Interdisciplinary subjects such as religion and violence, politics and literature, or gender issues in Asia. May be repeated when topic varies. No prerequisites. (Each fall)

**ASST 260 Intermediate Directed Study (Variable course credit)**

**ASST 350, 450 Advanced Topics in Asian Studies**

Interdisciplinary subjects such as religion and violence, politics and literature, or gender issues in Asia. May be repeated when topic varies. Prerequisites: Asian Studies 250 or equivalent. (Each spring)

**ASST 460 Advanced Directed Study (Variable course credit)**

**ASST 490 Independent Study**

**ASST 491 Asian Studies Honors Thesis**

**ASST 492 Independent Study Off-Campus/NSOC**

# Biology

## BIOLOGY

*Kelly Reed, chair; David Aiello, Lance Barton, George Diggs, Steven Goldsmith, Jessica Healy, Keith Kisselle, Wayne Meyer, Jack Pierce, Peggy Redshaw, Peter Schulze*

*Caleb Smith (Biology Department Support Associate)*

*Kim Snipes (Laboratory and Safety Coordinator, Instructor)*

*Dennis McLaughlin (Emeritus)*

The Biology Program provides a curriculum encompassing the study of the diversity and complexity of life with an emphasis on an interactive learning and research environment in which students and faculty explore new knowledge and current concepts.

**A major in biology** consists of nine course credit units in biology plus Chemistry 112. The major requires two courses, Biology 115 and 116, that introduce students to the broad spectrum of the biological sciences. The major must include at least two courses from each of two broad categories, Molecular, Physiological, and Structural Biology and Organismal, Ecological, and Evolutionary Biology, outlined below. All students are involved in laboratory and field experiences that develop skills in formulating hypotheses, designing experiments or observational procedures, collecting data, analyzing results, and presenting conclusions in both oral and written form. Additionally, numerous opportunities exist for students to participate in original scientific research projects. Students with specific educational interests and goals may select courses that provide emphases in Cellular and Molecular Biology, Integrative and Systems Biology, or Ecology and Evolutionary Biology. Courses should be selected in consultation with an appropriate faculty adviser in the Biology Department. Students are encouraged to include within their course of study a variety of learning experiences including structured courses, research, internships, and summer and January term experiences.

Students normally take Biology 115 and 116 during their first year; students must have at least a C- in both courses to continue as majors. Students subsequently select an appropriate set of intermediate and advanced biology courses, supplemented with courses in related disciplines including chemistry and physics. Chemistry 351 or Environmental Studies 235 may substitute for one of the nine biology courses. A maximum of two course credit units of directed study, independent study and Biology 240 may apply toward the major. Some of the courses listed below may not be offered in a given year.

The following courses are recommended for biology majors: Chemistry 221, 222, 351, 352; Mathematics 151; Social Science 120 or Mathematics 120; Physics 105, 106.

**A minor in biology** consists of a minimum of five course credit units including Biology 115 and 116, and at least one course from each of the two categories, Molecular, Physiological, and Structural Biology and Organismal, Ecological, and Evolutionary Biology. One of the five courses must be at the 300-level or above.

### **Organismal, Ecological, and Evolutionary Biology**

Animal Behavior

Ecology

Ecosystem Ecology

Evolutionary Biology

Ornithology  
Plant Biology  
Vertebrate Biology

### **Molecular, Physiological, and Structural Biology**

Anatomy and Physiology  
Cellular Physiology  
Comparative Vertebrate Anatomy  
Developmental Biology  
Eukaryotic Pathogens  
Genetics  
Genomics  
Histology  
Human Infectious Diseases  
Immunology  
Microbiology  
Molecular Biology of Gene Expression  
Systemic Physiology

Biology majors and minors must take all biology courses in the major or minor for a grade (A/F). The exceptions to this policy are Research Experience (Biology 240), Teaching/Learning Participation (Biology 464), which are only graded S/D/U; and Directed Study (Biology 260 and 460) and Independent Study (Biology 490 or 491) when taken S/D/U at the instructor's discretion.

### **BIOL 101 Contemporary Topics in Biology**

Introductory courses intended for the general audience that do not count as prerequisites for other courses in biology or satisfy requirements for the major in biology. These courses introduce students to the process and product of scientific inquiry, and to ways that knowledge of biology affects our lives. Title and emphasis announced in term schedule of courses. Past topics have included human genetics, emerging and re-emerging diseases, and biology for citizens. These courses include a laboratory component. May be repeated when topic varies. (Usually each year)

### **BIOL 115 Evolution, Behavior, and Ecology**

An introduction to evolution, behavior, and ecology. Topics include the mechanisms and results of evolution; speciation processes; population, community, and ecosystem ecology; fundamentals of animal behavior; and behavioral ecology. (Each fall)

### **BIOL 116 Cell Biology**

This course focuses on a detailed analysis of structure and function of macromolecules characteristic of various cell types, and on information transfer in living systems at the molecular level. Includes one three-hour lab per week. Prerequisites: Biology 115 and Chemistry 111 or permission of instructor. (Each spring)

### **BIOL 228 Genetics**

Examines basic principles of genetics. Topics include Mendelian genetics, the biochemistry of the hereditary material, and recent techniques used in the study of genes and their interaction. Includes one three-hour lab per week. This course is intended for sophomores and juniors. Prerequisites: Biology 116 and Chemistry 112, or permission of instructor. (Each fall)

### **BIOL 230 Microbiology**

An exploration of structures and functions of microbes. Topics include microbial metabolism, growth of bacteria, microbial genetics, and an introduction to pathogenic microorganisms and host defense mechanisms.

Includes one three-hour lab per week. This course is intended for sophomores and juniors. Prerequisites: Biology 116 and Chemistry 112, or permission of instructor. (Each spring and occasionally in the fall)

### **BIOL 234 Anatomy and Physiology**

An introduction to the study of vertebrate anatomy and physiology. This course explores various systems of the human body with an appropriate balance and integration between the two disciplines. Includes one three-hour lab per week. This course is intended for sophomores and juniors. Prerequisites: Biology 116 or permission of instructor. (Each fall)

### **BIOL 240 Research experience (Variable course credit)**

Participation in biological research. Students are invited to work with faculty on some component of their research program. Students' responsibilities are established through a learning contract. Students will learn organizational skills, laboratory techniques, data acquisition and analysis skills, and will develop confidence in the laboratory or field. Grading is S/D/U only; may be repeated when topic varies. Prerequisite: permission of instructor.

### **BIOL 246 Eukaryotic Pathogens**

Examines the biology of a variety of eukaryotic disease-causing organisms. Topics include morphology, physiology, life cycles, host immune responses, and causes of pathogenic effects. Emphasis is on protists, fungi, and metazoan parasites, primarily of vertebrates and especially humans. Includes one three-hour lab per week. This course is intended for sophomores and juniors. Prerequisites: Biology 115 and 116, or permission of instructor. (Offered occasionally)

### **BIOL 248 Cellular Physiology**

An introduction to the structure and function of cells, with emphasis on the molecular mechanisms and signaling cascades of cellular processes. Emphasis is on cellular responses to the environment, communication in multicellular organisms, and regulation of cellular physiology at the level of transcription or protein modification. The course will involve discussion-oriented lectures and will continue exploration of topics introduced in Biology 116. Laboratory activities will focus on understanding the complexities of cellular structure and physiology. Includes one three-hour lab per week. This course is intended for sophomores and juniors. Prerequisites: Biology 116 and Chemistry 112, or permission of instructor. (Each spring and occasionally in the fall)

### **BIOL 250 Intermediate Topics in Biology**

A study of selected topics offered on an occasional basis. Includes one three-hour lab per week. Permission of instructor required. May be repeated when topic varies.

### **BIOL 260 Intermediate Directed Study (Variable course credit)**

Intended for novice students to develop and execute a project under close supervision of a faculty member. Project goals and approach must be approved by the department before the end of the 6th week of the term. Students will present the results of their project as part of the Biology Department Seminar series. Prerequisite: permission of instructor.

### **BIOL 320 Vertebrate Biology**

Examines selected aspects of the biology of the vertebrate animals. Topics include morphology, ecology, behavior, systematics, fossil history, and phylogenetic relationships. The laboratory emphasizes qualitative and quantitative field studies of local vertebrates. Includes one three-hour lab per week. Prerequisites: Biology 115 and 116, or permission of instructor. (Each Spring)

### **BIOL 322 Comparative Vertebrate Anatomy**

A study of the structure and adaptations of vertebrates. Evolution of vertebrate systems is emphasized in lecture.

The laboratory includes a detailed study of the shark and cat. Includes one three-hour lab per week.

Prerequisites: Biology 234 or permission of instructor. (Each spring)

### **BIOL 324 Developmental Biology**

A study of the embryonic development of animals with an emphasis on vertebrates. The course integrates descriptive observations with experimental studies in order to better understand the underlying mechanisms of development. Includes one three-hour lab per week. Prerequisites: Biology 115 and 116, or permission of instructor. (Each fall)

### **BIOL 326 Animal Behavior**

A study of the ecology and evolution of behavior. Topics include behavior genetics, biological rhythms, migration, predator-prey interactions, communication, reproductive behavior, sexual selection, and sociality. Field investigations and current research in animal behavior are emphasized. Laboratory investigations require statistical analysis and interpretation of quantitative data. Includes one three-hour lab per week. Prerequisites: Biology 115 and 116, or permission of instructor. (Each fall)

### **BIOL 332 Evolutionary Biology**

A study of concepts and mechanisms of evolution. Topics include natural selection, coevolution, molecular evolution, systematics, and extinction. Includes one three-hour lab per week. Prerequisites: Biology 115 and 116, or permission of instructor. (Usually each spring)

### **BIOL 334 Ecology**

Explores the fundamentals of ecological processes and concepts. Lectures emphasize population growth and regulation, species interactions, community dynamics, energy flow, nutrient cycles, and the relationships of these processes to environmental issues. Investigative lab exercises emphasize quantitative data collected by students in the field. Laboratory assignments place a premium upon data analysis and interpretation. Includes one three-hour lab per week. Prerequisites: Biology 115 and either Biology 116 or Environmental Studies 235 or permission of the instructor. (Each fall)

### **BIOL 336 Plant Biology**

A study of the origin and diversity of flowering plants. Lectures emphasize taxonomy and systematics, plant-animal coevolution, ecology, and plant physiology. The laboratory focuses on field studies of plants in their native habitats. Includes one three-hour lab per week. Prerequisites: Biology 115 and 116, or permission of instructor. (Each fall)

### **BIOL 340 Immunology**

An in-depth examination of the fundamental mechanisms by which the immune system protects vertebrates from disease. Topics include immune physiology, immunogenetics, and autoimmunity. Emphasis is on molecular and cellular processes critical to the development of immunity as well as applications of immunological techniques in research and clinical settings. Includes one three-hour lab per week. Prerequisites: One of Biology 228, 230, 234, or 248 or permission of instructor. (Fall of odd-numbered years)

### **BIOL 342 Histology**

A study of the microanatomy of vertebrate tissues and organs, with emphasis on the relationship between structure and function. Includes one three-hour lab per week. Prerequisites: Biology 234 or permission of instructor. (Offered occasionally)

### **BIOL 344 Molecular Biology of Gene Expression**

An in-depth examination of the current understanding of how prokaryotes and eukaryotes regulate gene expression. Topics include basal transcription mechanisms, regulation of gene expression, RNA splicing and stability, organellar gene expression, translation and its regulation, and epigenetics. Emphasis is on laboratory techniques, experimental design and interpretation of data, and extensive analysis of the primary literature.

Includes one three-hour lab per week. Prerequisites: One of Biology 228, 230, 248, or Chemistry 351 or permission of instructor. (Spring of odd-numbered years)

### **BIOL 345 Genomics**

Explores current technological advances in genome research and how these advances are impacting science and society. Emphasis is on methods for analyzing large genomic data sets and their application to biological problems, including sequence alignment and search methods, gene prediction, phylogenetic trees, and genome annotation. Includes one three-hour lab per week. Prerequisites: Biology 228 or Biology 230 or Biology 234 or Biology 248 or Chemistry 351 or permission of instructor. (Each fall)

### **BIOL 346 Ecosystem Ecology**

Examines the flow of energy and the cycling of nutrients and water in ecosystems. Lecture topics include earth's climate and the distribution of ecosystems, geology and soils, photosynthesis and decomposition, food web trophic dynamics, and global biogeochemical cycles. Semester-long field measurements and lab analyses of environmental samples (e.g. soil, water) are used to quantify ecological processes. Includes one three-hour lab per week. Prerequisites: Biology 115 and 116, Chemistry 111, or permission of instructor. (Each spring)

### **BIOL 350 Advanced Topics in Biology**

A specialized course on a topic in a particular field of biology. Includes one three-hour lab per week. Permission of instructor required. May be repeated when topic varies.

### **BIOL 352 Systemic Physiology**

A study of homeostatic structure and function at the organ and system levels, using human and laboratory animal models. Includes one three-hour lab per week. Prerequisites: Biology 234 and Chemistry 112, or permission of instructor; Physics 106 strongly recommended. (Spring of even-numbered years)

### **BIOL 354 Human Infectious Diseases**

An exploration of bacterial and viral pathogens responsible for human diseases. This course integrates a variety of disciplines such as immunology, cell biology, microbiology, molecular biology, and biochemistry to examine the mechanisms used by pathogens to cause disease. The laboratory introduces students to techniques currently in use in clinical laboratories to isolate and identify pathogenic organisms and in experimental laboratories to study pathogenic mechanisms. Includes one three-hour lab per week. Prerequisites: One of Biology 228, 230, 234, or 248 or permission of instructor. (Fall of even-numbered years)

### **BIOL 358 Ornithology**

A study of the biology of birds. Topics include anatomy, physiology, behavior, ecology, migration, evolution, taxonomy, and identification. Coursework includes both laboratory and field investigations and emphasizes local species and habitats. Students will perform independent research projects outside of class. Includes one three-hour lab per week. Prerequisites: Biology 115 and 116; Biology 234 or 334 strongly recommended. (Spring of odd-numbered years)

### **BIOL 450 Advanced Topics in Biology**

An advanced course that focuses on a particular field of biology. Includes one three-hour lab per week. Permission of instructor required. May be repeated when topic varies.

### **BIOL 460 Advanced Directed Study (Variable course credit)**

Intended for advanced students to develop and execute a project under close supervision of a faculty member. Project goals and approach must be approved by the department before the end of the 6th week of the term. Students will present the results of their project as part of the Biology Department Seminar series. Prerequisite: permission of instructor.

### **BIOL 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular biology course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (Additional details given in the section on Other Learning Opportunities.)

### **BIOL 472 Research and Design of Experiments**

Provides formal training in the approaches used to advance understanding of biological processes. Course activities are built around original research projects designed and completed by students. Lectures, discussions, and readings provide students with the skills necessary for designing original research, performing experiments, analyzing data, and reporting results. Prerequisite: permission of the instructor. (Each year)

### **BIOL 490, 491 Independent Study**

Intended for advanced senior students to develop and execute a research project with the input and guidance of a faculty mentor. Project goals and approach must be approved by the department before the end of the 6th week of the term. Students will complete a full written assessment of their project and will present the results of their project as part of the Biology Department Seminar series. Prerequisite: permission of instructor.

### **BIOL 492 Independent Study Off-Campus/NSOC**

## **Chemistry**

### **CHEMISTRY**

*Andrew Carr, chair; Stephanie Gould, Karla McCain, John Richardson, Bradley Smucker, Anthony Tanner*

*Michael Imhoff (Vice President for Academic Affairs and Dean of the Faculty)*

*Janet Boston (Laboratory Coordinator)*

*Karen Glenn (Instructor)*

*Charles Barr, Hank Gibson (Emeriti)*

The mission of chemistry is to provide students with a solid basis in one of the important laboratory sciences which prepares the student for numerous career paths in a variety of fields, including the chemical industry, graduate study in chemistry and chemical engineering, medicine, law, and teaching. Chemistry students learn to think critically, to read the chemical literature, to collaborate in groups, to speak with competence on chemical subjects and to write effective scientific prose. To further those goals, the chemistry faculty maintain programs of research open to qualified students, the department maintains a seminar program and provides opportunities to qualified students for assisting in the teaching-laboratories and for peer-tutoring.

The Chemistry Department program has been recognized by the American Chemical Society as meeting national standards for the training of chemists.

**A major in chemistry** consists of at least nine course credit units, seven of which must be Chemistry 111 (or equivalent), Chemistry 112 (or equivalent), Chemistry 221, 222, 332, 341, and 342. Of the remaining two, one course must be at the 400 level. In addition, a student must take either Chemistry 211 or 412 to meet the requirement for inorganic chemistry and must participate in a zero-credit experiential chemistry activity, Chemistry 480. No more than one combined course credit for Chemistry 240, 460, 464, and 490 will count toward the minimum requirement at the 200 level and above. A chemistry major also is required to complete

either Physics 106 or preferably Physics 112, Mathematics 152, and Biology 116. It is recommended that the major take the third semester of calculus (Mathematics 252).

**An ACS certified degree** comprises a rigorous series of courses that stresses both breadth and depth of knowledge in chemistry above the normal major. Students seeking this degree should consult with a chemistry faculty member early in their freshman year. The courses required for an ACS certified degree are Chem 111 (or equivalent), 112 (or equivalent), 211, 221, 222, 332, 341, 342, 351, 480, two electives from Chem 352, 412, 421, or 460, plus a total of one full credit of research (130 hours). To receive a certified degree, students are required to complete Math 152, Biol 116, and Phys 106 or 112. Math 252 is recommended.

**A major in biochemistry** consists of Chemistry 111 (or Chemistry 211), Chemistry 112 (or equivalent), Chemistry 221, 222, 351, 352, 480; two elective chemistry courses from among 332, 341, 342, 412 or 421; two elective biology courses, from among: Biology 228, 230, 248, 344, 345.

A biochemistry major is also required to complete Physics 106 or 112, Mathematics 152, and Biology 116.

**A minor in chemistry** consists of Chemistry 112, two courses at the 200 level and two courses at or above the 300 level. At least one of the courses at or above the 300 level must have a lab and no more than one of the courses at or above the 300 level may be in any one discipline of chemistry. The disciplines of chemistry at Austin College are analytical chemistry, biochemistry, inorganic chemistry, organic chemistry and physical chemistry.

Students with a strong high school chemistry background or with AP/IB credit for Chem 111 are advised to start in Chem 211 in the fall of their freshman year. Students with credit for Chem 112 may start in Chem 221, but should consult a chemistry faculty member.

Students majoring in chemistry or biochemistry are strongly encouraged to take all their major courses for a letter grade. Prerequisite chemistry and biology courses must be passed with grades of at least C-.

### **CHEM 101 Chemistry for Non-Science Majors**

Introductory courses intended for the general student, not normally counted as prerequisite for other chemistry courses or satisfy requirements for a chemistry major. These courses introduce students to chemical principles and chemical practice in the laboratory. Title and emphasis announced in term schedule of courses. Past topics have included: chemistry and the environment, chemistry and nutrition, chemistry and art, drugs and our society, energy and fuel, and forensic chemistry. (Each fall or spring)

### **CHEM 111 Introduction to Chemistry**

Basic concepts, principles, and practices of chemistry, typically including: mass and energy relations in chemical reactions, electronic structure and chemical bonding, the periodic table, solids, liquids and solutions, and the rates of chemical reactions. Includes one three-hour lab per week. (Each fall)

### **CHEM 112 Chemical Equilibria**

Quantitative aspects of elementary chemical thermodynamics and of systems in equilibrium, typically including acid-base chemistry, oxidation-reduction reactions, and electrochemistry. Includes one three-hour lab per week. Prerequisite: Chemistry 111 or 211. (Each spring)

### **CHEM 211 Inorganic Chemistry**

An overview of the fundamentals of inorganic chemistry. The course covers such topics as atomic properties, molecular bonding, materials, descriptive chemistry of the elements, acid-base chemistry, coordination chemistry, organometallic chemistry, and bioinorganic chemistry. Includes one three-hour lab per week.

### **CHEM 221 Organic Chemistry I**

Fundamental concepts of organic chemistry utilizing laboratory, lecture, and peer group discussions. Covers

general types of mechanisms, stereochemistry, infrared spectroscopy, and reaction energetics. Includes one three-hour lab per week. Prerequisite: Chemistry 112. (Each fall)

### **CHEM 222 Organic Chemistry II**

Application of general principles of organic chemistry to problems of organic synthesis and structure determination. Includes topics of aromatic substitution reactions, carbonyl and active methylene chemistry, and nuclear magnetic resonance. Includes one three-hour lab per week. Prerequisite: Chemistry 221. (Each spring)

### **CHEM 240 Research (Variable course credit)**

Introduction to chemical research under the direction of a faculty member. Departmental approval of project must be granted before the end of the pre-registration term. A formal written report will be a part of standard requirements within Chemistry 240. May be repeated when topic varies. (Each fall and spring)

### **CHEM 250 Intermediate Topics in Chemistry**

A study of selected topics offered on an occasional basis. May be repeated when topic varies.

### **CHEM 260 Intermediate Directed Study (Variable course credit)**

(Offered as needed)

### **CHEM 332 Analytical Chemistry**

Principles and applications of wet and instrumental methods for chemical analysis. Design of chemical analyses. Statistics and regression for treating chemical data. Laboratory experiments to develop excellent lab techniques and skill in using instrumentation. Includes one three-hour lab per week. Prerequisite: Chemistry 221. (Each spring)

### **CHEM 341 Thermodynamics and Kinetics**

Physical properties of chemical systems with emphasis on equilibrium (thermodynamics) and rates (kinetics). Prerequisite: Chemistry 221, Mathematics 152, and either Physics 106 or 112. (Each fall)

### **CHEM 342 Quantum and Statistical Mechanics**

An introduction to quantum and statistical mechanics and their applications to chemistry including atomic structure, bonding theory, molecular spectroscopy, and the microscopic basis for thermodynamics. Includes one three-hour lab per week. Prerequisite: Chemistry 341, Mathematics 152, and either Physics 106 or 112. (Each spring)

### **CHEM 351 Introduction to Biochemistry**

The structures and general reactions of carbohydrates, lipids, proteins, and nucleic acids. Includes one three-hour lab per week. Prerequisite: Chemistry 222. (Each fall)

### **CHEM 352 Biochemical Metabolism**

The enzymatic anabolism and catabolism of the groups of substances studied in Chemistry 351. Prerequisite: Chemistry 351. Includes one three-hour lab per week. (Each spring)

### **CHEM 412 Advanced Inorganic Chemistry**

A thorough study of inorganic chemistry. Topics include atomic properties, modern bonding theories, molecular symmetry and spectra, descriptive chemistry of the elements, acid-base chemistry, coordination and organometallic chemistry, environmental and bioinorganic chemistry, and solid state chemistry. Includes one three-hour lab per week. Prerequisites: Chemistry 342 or Chemistry 211, or permission of instructor. (Each spring)

### **CHEM 421 Advanced Organic Chemistry**

Advanced theory and current topics in organic chemistry. Emphasis on theoretical and empirical generalizations

(including spectroscopy) most applicable to organic reaction mechanisms and synthesis. Prerequisite: Chemistry 222. (Each fall)

### **CHEM 450 Advanced Topics in Chemistry**

A study of selected topics offered on an occasional basis. May be repeated when topic varies.

### **CHEM 460 Advanced Directed Study (Variable course credit)**

(Offered as needed)

### **CHEM 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular chemistry course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under "On Campus Learning Opportunities") (Offered as needed)

### **CHEM 480 Experience in Chemistry (Zero course credit)**

All chemistry majors must participate in a chemistry activity beyond the required coursework to obtain a degree in chemistry. Activities such as directed research on or off-campus, an internship in an industrial setting or methods-development laboratory, or employment in an industrial laboratory will satisfy this requirement. Chemistry majors should register for Chemistry 480 during the semester that they will give their public presentation.

### **CHEM 490, 491 Independent Study**

### **CHEM 492 Independent Study Off-Campus/NSOC**

## **Classical & Modern Language**

### **CLASSICAL AND MODERN LANGUAGES**

*Elena Olivé, chair; Lourdes Bueno, Robert Cape, Ruth Cape, Truett Cates, Patrick Duffey, Julie Hempel, James Johnson, Jennifer Johnson, Scott Langton, Wolfgang Lückel, Bernice Melvin, Andrew Pigott*

*Oswaldo de la Torre, Xiaoxiang Liu (Visiting)*

*Jesús Carrasco, DeDe Hosek, Ida Hudgins (Adjunct)*

*Cynthia Manley (Emeritus)*

Because of the highly sequential curricula and variety of offerings, potential majors and minors in classics or in a modern language should consult early with the appropriate faculty. In addition to standard course-work, students are encouraged to take advantage of the language houses, language tables in the college dining hall, and study abroad opportunities.

### **CLASSICS**

The mission of the classics program is to provide students with the essential skills and knowledge needed to explore and appreciate the languages, literatures, and cultures of ancient Greece and Rome, the roles Greek and Roman cultures played in the development of Western civilization, and the perspective they offer to contemporary problems and issues.

Classics is a multidisciplinary course of study embracing all aspects of the ancient Greek and Roman civilizations: languages and linguistics, literature, mythology, history, philosophy, religion, science, art, and archaeology. Through its courses in Greek and Latin languages and literatures and through its offerings in classical civilization, the classics program meets a cultural need for every liberal arts student and specific needs for pre-professional students, particularly in the areas of law, health sciences, and theology.

The major in classics helps prepare the student for graduate study in classics, although its flexible design makes it an excellent liberal arts major for any student with a strong interest in classical studies. The major in Latin is designed to help prepare the student for teaching Latin in the schools. The major in classical civilization is offered for the student with a serious interest in the ancient world, but who does not wish to focus on the languages or do graduate study in the field. The minor in classics is for the student who has a strong interest in classical studies, but who has selected another major field of study.

**A major in classics** consists of at least eight course credit units, two of which are in Greek and six are at the 200 level or higher in classics (Greek, Latin, or classical civilization). Of these six, at least five course credit units must be in classical languages and at least three course credit units numbered 300 or above (except Greek 491 and/or Latin 491).

**A minor in classics** consists of a minimum of five approved course credit units in classics (Greek, Latin, or classical civilization) numbered 200 or above, including at least two course credit units in Greek or Latin, at least two courses in classical civilization, and at least two courses numbered 300 or above (except Greek 491 and/or Latin 491).

**A major in Latin** consists of a minimum of eight and one-half course credit units, including at least seven and one-half approved units in Latin above Latin 102, Latin 236 and three courses at the 300 level or above are required (except Latin 491), and at least one credit of Classics 102/302 (Roman History and Civilization).

**A major in classical civilization** consists of at least eight approved course credit units including three numbered 300 or above (except Classics 491). Two of the credits must be Greek 102 and 201 or Latin 102 and 201, and six in approved courses in classical literature and civilization. Both Greek and Roman topics must be represented. Two of the six courses may be from closely related fields (e.g., Philosophy 220, Art 231). Other courses in which the student does significant work in the classical tradition also may be included with the approval of the classics faculty.

## Latin Placement

Those students who have taken Latin in high school will begin their college study at a level appropriate to their proficiency. Student placement will be based on the Latin placement test given in the fall. A student who scores placement into Latin 202 or higher will have satisfied the Austin College language competency requirement.

A student who is placed by Austin College into Latin 202 or higher as the first college-level course in Latin and completes this with a satisfactory grade (S, C, or above) also will receive one additional credit. This additional, elective credit may not count toward the minor or the major. Alternatively, a student may receive credit for one Latin course at the intermediate level and satisfy the language competency requirement by a successful score on the Latin Advanced Placement Examination administered by the College Board. The student, however, may not receive both the Advanced Placement Examination credit and Austin College placement credit.

## Ancient Greek

### GRK 101, 102 Beginning Greek

Development of skills in using the ancient Greek language, especially the skill of reading Greek. Introduction to

Greek civilization. Some attention is also given to Greek's contribution to the English language. (101, each fall; 102, each spring)

**GRK 201, 202 Intermediate Greek**

Continuation of Greek skills development and study of Greek civilization. Also, an introduction to literary texts of the classical and New Testament periods. Prerequisite: Greek 102 or equivalent. (201, each fall; 202, each spring)

**GRK 250 Intermediate Topics in Greek**

**GRK 260 Intermediate Directed Study in Greek (Variable course credit)**

**GRK 350 Advanced Topics in Greek**

**GRK 450 Advanced Studies in Greek**

Major authors, genres, or topics of Greek literature chosen to meet the needs of the class. Topics may include Homer, Greek historians, Greek tragedy, Aristophanes, Greek New Testament, and Greek lyric poetry. Prerequisite: Greek 202 or permission of instructor. May be repeated when topic varies.

**GRK 460 Advanced Directed Study in Greek (Variable course credit)**

**GRK 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular Greek course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under "On Campus Learning Opportunities")

**GRK 490 Independent Study**

**GRK 491 Greek Honors Thesis**

**GRK 492 Independent Study Off-Campus/NSOC**

**Latin**

**LAT 101, 102 Beginning Latin**

Development of skills in using the Latin language, especially the skill of reading Latin. Introduction to Roman civilization. Some attention is also given to Latin's contribution to English and other modern languages. (101, each fall; 102, each spring)

**LAT 201, 202 Intermediate Latin**

Continuation of Latin skills development and study of Roman civilization. Also, an introduction to Latin literary texts. Prerequisite: Latin 102 or equivalent. (201, each fall; 202, each spring)

**LAT 236 Advanced Latin Grammar and Composition (1/2 course credit unit)**

A comprehensive review of Latin grammar with practice in writing Latin. Prerequisite: Latin 202 or the equivalent. May be taken concurrently with a 300-level course in Latin. (Each fall)

**LAT 250 Intermediate Topics in Latin**

**LAT 260 Intermediate Directed Study in Latin (1/2 Variable course credit)**

### **LAT 350 Advanced Topics in Latin**

#### **LAT 404 Latin Lyric and Elegiac Poetry**

A survey of the masters of classical Latin lyric poetry (Catullus and Horace) and of the Latin love elegy (Tibullus, Propertius, and Ovid). Includes discussion of the relevant literary tradition and the Roman cultural context. Prerequisite: Latin 202 or permission of instructor. (Fall 2011)

#### **LAT 406 Roman History and Biography**

A survey of Roman historical and biographical writings, including selections from Livy, Sallust, Caesar, Tacitus, Suetonius, and Cornelius Nepos. Prerequisite: Latin 202 or permission of instructor. (Spring 2013)

#### **LAT 408 Latin Prose Authors**

A study of selected prose works (including oratory, essays, and fiction) written by major Roman authors, including Cicero and Petronius. Includes study of the Roman cultural context. Prerequisite: Latin 202 or permission of instructor. (Fall 2010)

#### **LAT 410 Roman Drama**

A study of the major Roman dramatists (Plautus, Terence, Seneca), including the background and origins of Roman drama, dramatic theory, and performance practice. Prerequisite: Latin 202 or permission of instructor. (Spring 2010)

#### **LAT 412 Roman Epic**

A study of selected works by ancient Rome's epic poets, Vergil and others. Includes the background of the Roman epic tradition. Prerequisite: Latin 202 or permission of instructor. (Fall 2009)

#### **LAT 414 Studies in Medieval Latin**

A survey of Latin prose, poetry, and drama from late antiquity to the Renaissance. Includes study of Latin paleography, relevant literary traditions, and cultural contexts. Prerequisite: Latin 202 or permission of instructor. May be repeated when content varies. (Spring 2012)

#### **LAT 416 Roman Philosophers**

A survey of philosophical texts written by Roman authors, including Lucretius and Seneca, with emphasis on the literary qualities and genres, as well as the broad human relevance of these works. Some attention also given to the philosophical traditions (e.g., Stoic, Epicurean) and to the Roman cultural and social realities reflected in these works. Prerequisite: Latin 202 or permission of instructor. (Spring 2011)

#### **LAT 450 Advanced Topics in Latin**

Major authors, genres, or topics of Roman literature chosen to meet the needs of the class. May be repeated when topic varies. (Fall 2012)

#### **LAT 460 Advanced Directed Study in Latin (Variable course credit)**

#### **LAT 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular Latin course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under "On Campus Learning Opportunities")

#### **LAT 490 Independent Study**

#### **LAT 491 Latin Honors Thesis**

## **LAT 492 Independent Study Off-Campus/NSOC**

**LAT 503 Methods and Materials in the Teaching of Classical Languages (Variable course credit)**  
(see Modern Languages 503)

### **Classical Civilization Courses**

#### **CLAS 101 Greek History and Civilization**

A chronological and topical survey of Greek history from the Bronze Age to the beginning of the Hellenistic Era. Special consideration is given to the political and intellectual history of fifth century Athens. (Fall 2009, Fall 2011)

#### **CLAS 102 Roman History and Civilization**

A chronological and topical survey of Roman history from the founding of Rome to the reign of Constantine, with emphasis on the social and political developments of the Late Republic and Early Empire. (Fall 2010, Fall 2012)

#### **CLAS 106 Classical Mythology**

A survey of Greek and Roman myths as treated and developed in classical sources, and an introduction to the interpretation of major myths. (Each fall)

#### **CLAS 110 Greek Literature in Translation**

A survey of classical Greek literature from Homer to Longinus, including selections of epic, lyric poetry, drama, and literary criticism. Introduction to the interpretation of Greek literature in translation. (Spring 2011)

#### **CLAS 170 The Ancient World in Film**

A critical examination of films about the ancient Mediterranean world, particularly Greece and Rome, together with their ancient literary and historical sources. Students will explore a variety of approaches to film criticism and develop literary and historical analytical skills. Special emphasis will be given to understanding the enduring attraction of Greek and Roman life and literature, the accuracy of cinematic representations of Greece and Rome, and how modern ideas and values influence our understanding of the ancient world. (Spring 2010)

#### **\*CLAS 250 Intermediate Topics in Classical Civilization \***

An investigation of selected topics in classical literature and culture. May be repeated when topic varies.

#### **\*CLAS 260 Intermediate Directed Study in Classical Civilization \***

(Variable course credit)

#### **CLAS 301 Advanced Study in Greek History and Civilization**

A study of selected features of Greek history, including a critical examination of the nature of source materials for reconstructing Greek social and intellectual history. Prerequisite: at least one course in classics at the 100 level or above, or permission of instructor. (Fall 2009, Fall 2011)

#### **CLAS 302 Advanced Study in Roman History and Civilization**

A study of selected features of Roman history, including a critical examination of the nature of source materials for reconstructing Roman social, political, and intellectual history. Prerequisite: at least one course in classics at the 100 level or above, or permission of instructor. (Fall 2010, Fall 2012)

#### **CLAS 306 Advanced Study in Classical Mythology**

A study of selected Greek and Roman myths as treated and developed in classical sources. Emphasis on the interpretation of major myths and of myth in general, including social, religious, psychological, and literary

uses of myth. Prerequisite: at least one course in classics at the 100 level or above, or permission of instructor. (Each fall)

### **CLAS 310 Advanced Study in Greek Literature in Translation**

Selected works of classical Greek literature, including the genres of epic and lyric poetry, drama, and literary criticism. Emphasis on literary interpretation from a variety of critical perspectives with some attention to the Greek cultural background. Prerequisite: at least one course in classics at the 100 level or above, or permission of instructor. (Spring 2011)

### **CLAS 350 Advanced Topics in Classical Civilization**

An investigation of selected topics, including the construction of gender in Greece and Rome, classical rhetoric and its tradition, Greek drama in translation, and other topics in classical literature and culture. Prerequisite: at least one course in classics at the 100 level or above, or permission of instructor. May be repeated when topic varies.

### **CLAS 370 Advanced Studies in the Ancient World in Film**

A critical examination of films about the ancient Mediterranean world, particularly Greece and Rome, together with their ancient literary and historical sources. Students will explore a variety of approaches to film criticism and develop literary and historical analytical skills. Special emphasis will be given to understanding the enduring attraction of Greek and Roman life and literature, the accuracy of cinematic representations of Greece and Rome, and how modern ideas and values influence our understanding of the ancient world. Prerequisite: at least one course in classics at the 100 level or above, or permission of instructor. (Spring 2010)

### **CLAS 450 Advanced Topics in Classical Civilization**

### **CLAS 460 Advanced Directed Study in Classical Civilization**

(Variable course credit)

### **CLAS 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular classical civilization course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under "On Campus Learning Opportunities")

### **CLAS 490 Independent Study**

### **CLAS 491 Classical Civilization Honors Thesis**

### **CLAS 492 Independent Study Off-Campus/NSOC**

## **MODERN LANGUAGES**

The mission of the modern language program is to engage students in the study of the language, culture, history, and literature of another country and in this way to provide the student with the essential skills of communication in another language, with experience in interpreting a variety of texts, and with an introduction to selected literary works and authors.

Courses in modern languages give the student of liberal arts a cultural background obtainable only through the study of the language and literature of another country. The student is expected to acquire the essential skills of oral and written communication. Courses are designed to provide sustained contact with the language in a variety of settings. All courses are normally conducted in the language being learned. In advanced courses the

student comes to appreciate the literature of the language, the culture, and customs of the countries where it is spoken, and the intricacies and nuances of its grammatical and syntactical structure.

## **Modern Language Placement**

A student at Austin College must demonstrate proficiency in a foreign language at the third-semester level in order to meet graduation requirements. A student wishing to continue the language studied in high school must take the Austin College placement test given at the beginning of the fall term. The student will be placed in the appropriate course based on the placement test score. A student who scores at the fourth-semester level or above on the Austin College placement test will have satisfied the language proficiency requirement. A student may take the placement test only twice during his or her Austin College career, once as a freshman, and once at a later date.

A student who has successfully completed the second semester of a modern language at Austin College or who was placed into the third semester course by the Austin College placement test, or who has received transfer credit from another institution for an equivalent level of study, may satisfy the language competency requirement by successfully completing an approved immersion program during a January term or a summer period.

A student who is placed by Austin College into the 202 level of a modern language or higher as the first college-level course in that language and who completes this with a satisfactory grade (S, C, or above) also will receive one additional credit. This additional, elective credit may not count toward the minor or the major.

A student also may take the Advanced Placement Examination following the appropriate Advanced Placement course in high school. If successful in the Advanced Placement Examination, the student will be given credit for one 202-level course and will therefore have satisfied the language competency requirement. The granting of credit for the Advanced Placement Examination does not depend on completion of further study.

A student may not receive both Advanced Placement Examination credit and Austin College placement credit.

## **Modern Languages**

### **ML 101, 102 Beginning Modern Language**

An introduction to a modern language less frequently taught at Austin College. This course is designed for beginners who wish to acquire the basics of vocabulary, grammar, phonology, and script. The course will also introduce students to certain aspects of the culture. Listening, speaking, and reading skills will be emphasized. Past offerings have included Arabic, Hindi, and Persian.

### **ML 201, 202 Intermediate Modern Language**

A continuation of the study of a modern language less frequently taught at Austin College. This course is designed for intermediate students who wish to acquire a more advanced level of vocabulary, grammar, phonology, and script. The course will also introduce students to certain aspects of the culture. Listening, speaking, and reading skills will be emphasized. Past offerings have included Arabic and Chinese. Prerequisite: ML 102 or equivalent.

### **ML 493, 503 Methods and Materials in the Teaching of Modern Languages (Variable course credit)**

A study of methods and materials of language teaching.

## **CHINESE**

### **Petitioning the Major or Minor**

Especially interested students may petition a self-designed major or minor in Chinese (**see Special Program Option**). For petitions to gain approval, the following conditions must be met. In all cases, Chinese 101, 102, and 201 may not be counted toward completion.

The **minor** in Chinese will consist of a minimum of five approved course credit units in Chinese above Chinese 201, including at least one course at the 300 level or above. Normally, only one credit may be allowed from among Chinese 226 (language house), 227 (intermediate conversation), and/or 237 (advanced conversation), or an approved January term course. A minimum of two credits must come from full-credit courses taken at Austin College.

The **major** will consist of eight approved course credit units above Chinese 201. To major in Chinese, students must complete language study through at least Chinese 236. At least three of the eight required course credit units must be at the 300 level or above and must include Chinese 350 (students normally are required to take this course at Austin College). Normally, only one of the eight units may be from among Chinese 226, 227 and/or 237, or an approved January term course. Up to three credits related to Chinese history, philosophy, religion, sociology, anthropology, political science, art history, or economics may count for the major with departmental approval. A minimum of three of the credits applied to the major must come from full-credit courses taken at Austin College.

**Placement:** Those students who have taken Mandarin Chinese in high school or otherwise have background in the language will begin their college study at a level appropriate to their proficiency. Student placement will be based on the Mandarin Chinese placement test given in the fall. This placement test includes all skills of a language: reading, writing, speaking, and listening. A student who scores placement into Chinese 202 or higher will have satisfied the Austin College language competency requirement.

A student may receive credit for one Chinese course at the intermediate level and satisfy the language competency requirement by a successful score on the Chinese Advanced Placement Examination administered by the College Board. The student, however, may not receive both the Advanced Placement Examination credit and Austin College placement credit.

Students who have attended school in a Mandarin-speaking context should submit documentation directly to the registrar to have their language competency requirement satisfied.

### **CHIN 101, 102 Beginning Chinese**

Introduction to the Chinese language. (101, each fall; 102, each spring)

### **CHIN 201, 202 Intermediate Chinese**

Continuation of the study of Chinese, including listening, speaking, reading, and writing skills. Prerequisite: Chinese 102 or equivalent. (201, each fall; 202, each spring)

### **CHIN 226 Language House (1/2 course credit unit)**

Provides daily exposure to and practice in spoken Chinese. For a designated 14-week term, students live in the language house where Chinese is the language of everyday discourse. The language house director, in coordination with the language resident, provides systematic evaluation of each student's progress throughout the term. May be repeated with permission of instructor. (Each fall and spring)

### **CHIN 227 Intermediate Conversation (1/2 course credit unit)**

Practice in oral skills through conversation, dialogues, dramatizations, improvisations, discussions, and problem-solving situations. Prerequisite: Chinese 102 or equivalent. May be taken concurrently with Chinese 201 or above. (Each fall and spring)

**CHIN 236 Advanced Chinese**

Further development of proficiency in grammatical and stylistic structure of Chinese. Special emphasis is placed on clarity and accuracy of comprehension and of spoken and written Chinese. Prerequisite: Chinese 202 or permission of instructor.

**CHIN 237 Advanced Conversation (1/2 course credit unit)**

Advanced practice in the oral use of the language through readings and discussions of contemporary topics. Particularly suited for students returning from study abroad who would like to maintain their oral skills. Enrollment in consultation with the department. May be repeated once with permission of the instructor. Prerequisite: Chinese 236. (Each fall and spring)

**CHIN 238 Advanced Chinese II**

Further development of proficiency in grammatical and stylistic structure of Chinese. Special emphasis is placed on clarity and accuracy of comprehension and of spoken and written Chinese.

**CHIN 250 Topics in Chinese Literature and Culture**

Introduction of topics in Chinese thought and culture. Taught in English. No knowledge of Chinese language or culture required. May be repeated when the topic varies.

**CHIN 255 World Literatures: Chinese Literature in Translation**

Topics will focus on a particular genre, historical period, or movement and may include consideration of other world literatures. Readings and discussions in English; no knowledge of Chinese language or culture required. May be repeated when topics varies.

**CHIN 260 Intermediate Directed Study in Chinese (Variable course credit)****CHIN 350, 450 Advanced Topics in Chinese**

Open to Juniors and Seniors. Course requires research into instructor-selected topics in Chinese thought and culture. Taught in English.

**CHIN 355 Studies in the Culture and Civilization of China**

Introduces historical writings in Chinese. Special emphasis is placed on vocabulary required to discuss the socio-political history of China, as well as the contemporary situation.

**CHIN 357 Advanced Conversation and Composition**

Extensive discussion of the contemporary issues and preparation of compositions with special attention to various styles of language.

**CHIN 460 Advanced Directed Study in Chinese (Variable course credit)****CHIN 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular Chinese course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under "On Campus Learning Opportunities")

**CHIN 490 Independent Study****CHIN 491 Chinese Honors Thesis****CHIN 492 Independent Study Off-Campus/NSOC**

## FRENCH

**A major in French** consists of a minimum of eight approved course credit units above French 201. At least three of these eight must be at the 300 level or above and must include French 495. An honors thesis may not substitute for French 495. Only one of the eight units may be from among French 226, 227, and/or 237, or an approved immersion course. Up to three credits taught in French that treat French history, philosophy, sociology, political science, art history, or economics may count for the major with departmental approval. One approved course taught in English may also count toward the eight credits for the major. Majors must enroll in French 495 in the spring of their senior year. French 101, 102, and 201 may not count toward the major.

**A minor in French** consists of a minimum of five approved course credit units in French above French 201, including at least one course at the 300 level or above. Only one credit may be allowed from among French 226, 227, and/or 237, or an approved immersion course.

Majors and minors are urged to enroll in an approved study abroad program in a French-speaking country. Those who do not are advised to spend some summers or January terms in a French-language environment. A student returning from a study abroad program must take at least one course in advanced French during the student's remaining time at Austin College.

### **FR 101, 102 Beginning French**

An introduction to the French language with particular emphasis on listening and speaking skills. (101, each fall; 102, each fall and spring)

### **FR 201, 202 Intermediate French**

A continuation of the study of French including listening, speaking, reading, and writing skills. Prerequisite: French 102 or equivalent. (Each fall and spring)

### **FR 226 Language House (1/2 course credit unit)**

Provides daily exposure to and practice in spoken French. For a designated 14-week term, students live in the language house where French is the language of everyday discourse. Members of the French faculty provide systematic evaluation of each student's progress throughout the term. May be repeated with permission of instructor. (Each fall and spring)

### **FR 227 Intermediate Conversation (1/2 course credit unit)**

Practice in the oral use of the language in conversation, dramatizations, and discussions. May be taken concurrently with French 201, 202, or 235. May not be taken for credit after completion of French 235 or equivalent. Enrollment in consultation with the department. Prerequisite: French 102 or equivalent. May be repeated once with permission of instructor. (Each fall and spring)

### **FR 235 Explorations in French Literature**

An introduction to French literature. Emphasis on reading strategies, techniques, and approaches to contemporary French authors. Prerequisite: French 202 or equivalent. (Each fall)

### **FR 236 Advanced Composition, Grammar, and Stylistics**

The investigation of the more problematical, grammatical, and stylistic structures of French; acquisition of advanced idiomatic forms; oral and written themes based on contemporary issues. Prerequisite: French 202 or permission of instructor. (Each spring)

### **FR 237 Advanced Conversation (1/2 course credit unit)**

Advanced practice in the oral use of the language through readings and discussions of contemporary topics. Particularly suited for students returning from study abroad who would like to maintain their oral skills.

Enrollment in consultation with the department. Prerequisite: French 236. May be repeated once with permission of the instructor. (Each fall and spring)

### **FR 238 Practical Phonetics**

A self-paced course designed to improve diction, interpretation, enunciation, and intonation of French. Prerequisite: French 202 or permission of instructor. (Offered on demand in consultation with French faculty)

### **FR 250 Intermediate Topics in French**

#### **FR 255 World Literatures: French Literature in Translation**

French and Francophone literature in translation. Topics may focus on a particular genre, historical period or movement, and may include consideration of other world literatures. Readings and discussions in English. May be repeated once when topic varies.

### **FR 260 Intermediate Directed Study in French (Variable course credit)**

### **FR 350 Advanced Topics in French**

#### **FR 353 French Literature to the French Revolution**

A survey of principal authors, movements, and genres of the Middle Ages, the Renaissance, the Classical Age, and the Enlightenment. An introduction to methods and techniques of literary analysis. Prerequisite: French 236 or permission of instructor. (As needed)

#### **FR 354 French Literature Since the French Revolution**

A survey of principal authors, movements, and genres of the 19th and 20th centuries. An introduction to methods and techniques of literary analysis. Prerequisite: French 236 or permission of instructor. (Each spring)

#### **FR 355 Studies in Culture and Civilization of France**

Designed to provide insights into various aspects of French culture, past and present: institutions, geography, social problems, fine arts, and daily life. Prerequisite: French 236 or permission of instructor. May be repeated once when topic varies.(As needed)

#### **FR 357 Syntax and Stylistics**

Extensive discussion of contemporary issues and preparation of compositions with special attention to various styles of language. The vocabulary used will consist not only of practical and daily-life items, but also of abstract and sophisticated terms. Prerequisite: French 236 or permission of instructor. (As needed)

### **FR 450 Advanced Topics in French**

### **FR 460 Advanced Directed Study in French (Variable course credit)**

#### **FR 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular French course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under "On Campus Learning Opportunities") May not be counted for the major.

\*FR 490 Independent Study \*

### **FR 491 French Honors Thesis**

## **FR 492 Independent Study Off-Campus/NSOC**

### **FR 495 Senior Seminar in French Literature**

Specialized topics for advanced study. Normally a new topic will be offered every year in seminar format. Topics have included medieval literature, French novel into film, exoticism in French literature, 19th century novel, and modern poetry. Prerequisite: French 353 or 354 or permission of instructor. May be repeated when topic varies. (Each spring)

## **GERMAN**

**A major in German** consists of a minimum of eight approved course credit units above German 201. At least three of these eight must be at the 300 level or above and must include German 495. An honors thesis may not substitute for German 495. Only one of the eight units may be from among German 226, 227, and/or 237, or an approved immersion course. Up to three credits taught in German that treat German history, philosophy, sociology, political science, art history, or economics may count for the major with departmental approval. One approved course taught in English may also count toward the eight credits for the major. Majors must enroll in German 495 in the spring of their senior year. German 101, 102, and 201 may not count toward the major.

**A minor in German** consists of a minimum of five approved course credit units in German above German 201, including at least one course at the 300 level or above. Only one credit may be allowed from among German 226, 227, and/or 237, or an approved immersion course.

Majors and minors are urged to enroll in an approved study abroad program in a German-speaking country. Those who do not are advised to spend some summers or January terms in a German language environment.

### **GER 101, 102 Beginning German**

An introduction to the language. Course aims at progressive development of fluency through extensive exposure to the language in real situations. A comprehension-based approach. (Each fall and spring)

### **GER 201, 202 Intermediate German**

Continues development of fluency in both comprehension and production of the language. Emphasizes ease and fluency in production and practical strategies for reading. (Each fall and spring)

### **GER 226 Language House (1/2 course credit unit)**

Provides daily exposure to and practice in spoken German. For a designated 14-week term, students live in the language house where German is the language of everyday discourse. Members of the German faculty provide systematic evaluation of each student's progress throughout the term. May be repeated with permission of instructor. (Each fall and spring)

### **GER 227 Intermediate Conversation (1/2 course credit unit)**

Practice in the oral use of the language in conversation, dramatizations, and discussions. May be taken concurrently with German 201, 202, or 235. May not be taken for credit after completion of German 235 or equivalent. Enrollment in consultation with the department. Prerequisite: German 102 or equivalent. May be repeated once with permission of instructor. (Each fall and spring)

### **GER 235 Explorations in German Literatures and Cultures**

Development of critical reading strategies using texts from a variety of genres and periods. Prerequisite: German 202. May be repeated with permission when readings vary. (Each fall)

**GER 236 Advanced German**

A variety of literary texts, videotapes, and other authentic materials serve as the basis for development of comprehension and production of German. Special emphasis is placed on clarity and accuracy of spoken and written German. Prerequisite: German 202 or permission of instructor. (Each spring)

**GER 237 Advanced Conversation (1/2 course credit unit)**

Advanced practice in the oral use of the language through readings and discussions of contemporary topics. Particularly suited for students returning from study abroad who would like to maintain their oral skills. Enrollment in consultation with the department. Prerequisite: German 236. May be repeated once with permission of the instructor. (Each fall and spring)

**GER 250 Intermediate Topics in German****GER 255 World Literatures: German Literature in Translation**

German literature in translation. Topics may focus on a particular genre, historical period or movement, and may include consideration of other world literatures. Readings and discussions in English. May be repeated once when topic varies.

**GER 260 Intermediate Directed Study in German (Variable course credit)****GER 350 Advanced Topics in German****GER 354 Studies in Literature and Society Through the 18th Century**

Significant moments in the development of culture and society in middle Europe through the Enlightenment and Sturm und Drang. Readings from the times of Charlemagne, Luther and the Reformation, the Thirty Years' War, and the 18th century of Kant, Goethe, and Schiller. Emphasis is announced in term schedule of courses. Prerequisite: German 236 or permission of instructor. May be repeated once when emphasis varies. (Every other fall)

**GER 355 Studies in Literature and Society Since the 18th Century**

Significant moments in the development of culture and society in middle Europe since the French Revolution. Literature from the Romantic movement into the 20th century. Prerequisite: German 236 or permission of instructor. May be repeated with permission when readings vary. (Every other fall)

**GER 357 Advanced Conversation and Composition**

Extensive discussion of contemporary issues, based on readings in contemporary journals. Improvisation and production of sketches on questions of interest. Fluency and accuracy also developed through frequent writing assignments. Prerequisite: German 236 or permission of instructor. (Each spring)

**GER 450 Advanced Topics in German****GER 460 Advanced Directed Study in German (Variable course credit)****GER 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular German course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under "On Campus Learning Opportunities") May not be counted for the major.

**GER 490 Independent Study**

## **GER 491 German Honors Thesis**

## **GER 492 Independent Study Off-Campus/NSOC**

## **GER 495 Topics in German Literature**

Normally a new topic will be offered every year. Course uses either seminar or workshop format. Topics may include history of German drama, Modernism, the German novel, Middle High German literature, Classicism, and Romanticism. Requires instructor permission. (Each spring)

## **JAPANESE**

### **Petitioning the Major or Minor**

Especially interested students may petition a self-designed major or minor in Japanese (**see Special Program Option**). For petitions to gain approval, the following conditions must be met. In all cases, Japanese 101, 102, and 201 may not be counted toward completion.

The **minor** in Japanese will consist of a minimum of five approved course credit units in Japanese above Japanese 201, including at least one course at the 300 level or above. Normally, only one credit may be allowed from among Japanese 226 (language house), 227 (intermediate conversation), and/or 237 (advanced conversation), or an approved January term course. A minimum of two credits must come from full-credit courses taken at Austin College.

The **major** will consist of eight approved course credit units above Japanese 201. To major in Japanese, students must complete language study through at least Japanese 236. At least three of the eight required course credit units must be at the 300 level or above and must include Japanese 350 (students normally are required to take this course at Austin College). Normally, only one of the eight units may be from among Japanese 226, 227 and/or 237, or an approved January term course. Up to three credits related to Japanese history, philosophy, religion, sociology, anthropology, political science, art history, or economics may count for the major with departmental approval. A minimum of three of the credits applied to the major must come from full-credit courses taken at Austin College.

### **JAPN 101, 102 Beginning Japanese**

Introduction to the Japanese language. (101, each fall; 102, each spring)

### **JAPN 201, 202 Intermediate Japanese**

Continuation of the study of Japanese, including listening, speaking, reading, and writing skills. Prerequisite: Japanese 102 or equivalent. (201, each fall; 202, each spring)

### **JAPN 226 Language House (1/2 course credit unit)**

Provides daily exposure to and practice in spoken Japanese. For a designated 14-week term, students live in the language house where Japanese is the language of everyday discourse. The language house director, in coordination with the language resident, provides systematic evaluation of each student's progress throughout the term. May be repeated with permission of instructor. (Each fall and spring)

### **JAPN 227 Intermediate Conversation (1/2 course credit unit)**

Practice in oral skills through conversation, dialogues, dramatizations, improvisations, discussions, and problem-solving situations. Prerequisite: Japanese 102 or equivalent. May be taken concurrently with Japanese 201 or above. (Each fall and spring)

**JAPN 236 Advanced Japanese**

Further development of proficiency in grammatical and stylistic structure of Japanese. Special emphasis is placed on clarity and accuracy of comprehension and of spoken and written Japanese. Prerequisite: Japanese 202 or permission of instructor. (Each fall)

**JAPN 237 Advanced Conversation (1/2 course credit unit)**

Advanced practice in the oral use of the language through readings and discussions of contemporary topics. Particularly suited for students returning from study abroad who would like to maintain their oral skills. Enrollment in consultation with the department. May be repeated once with permission of the instructor. Prerequisite: Japanese 236. (Each fall and spring)

**JAPN 250 Topics in Japanese Literature and Culture**

Introduction of topics in Japanese thought and culture. Taught in English. No knowledge of Japanese language or culture required. May be repeated when the topic varies.

**JAPN 255 World Literatures: Japanese Literature in Translation**

Japanese literature in translation. Topics may focus on a particular genre, historical period or movement, and may include consideration of other world literatures. Readings and discussions in English. May be repeated once when topic varies.

**JAPN 260 Intermediate Directed Study in Japanese (Variable course credit)****JAPN 350, 450 Advanced Topics in Japanese Literature and Culture**

Open to Juniors and Seniors. Course requires research into instructor-selected topic in Japanese thought and culture. Taught in English. Prerequisite: Japanese 250 or one course in Asian Studies.

**JAPN 453 Understanding Japanese Society Through Pop Culture**

This course studies modern Japanese society through examination of popular cultural artifacts, including popular literature, comics, magazines, films, and animation (anime). Readings, discussions, and class assignments help increase the student's understanding of current events and social issues in Japan. (Spring 2013)

**JAPN 454 Studies in Japanese Prose**

This course will introduce students to a variety of prose styles in Japanese and will explore the ways in which the written language is used to achieve various ends. Readings taken from different sources cover a range of topics including Japanese culture, arts, current events, and social issues. (Spring 2014)

**JAPN 455 Studies in Japanese Poetry**

This course is an introduction to Japanese poetic forms from the ancient era to the modern period. Readings will include poetry by pre-modern masters as well as modern poets. Class sessions incorporate discussions of the events and social issues impacting poetry throughout Japanese history. (Spring 2015)

**JAPN 460 Advanced Directed Study in Japanese (Variable course credit)****JAPN 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular Japanese course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under "On Campus Learning Opportunities")

**JAPN 490 Independent Study****JAPN 491 Japanese Honors Thesis**

## JAPN 492 Independent Study Off-Campus/NSOC

### SPANISH

**A major in Spanish** consists of a minimum of eight approved course credit units above Spanish 201. At least three of these eight must be at the 300 level or above and must include Spanish 481. An honors thesis may not substitute for Spanish 481. Two of the three 300+ courses must be Hispanic literature courses taken on campus. Only one of the eight units may be from among Spanish 226, 227, and/or 237, or an approved immersion course. At least one of the eight courses must relate to Spain; at least one must relate to Latin America. Up to three credits taught in Spanish that treat Spanish or Latin American history, philosophy, sociology, political science, art history, or economics may count for the major with departmental approval. One approved course taught in English may also count toward the eight credits for the major. Majors must enroll in Spanish 481 in the spring of their senior year. Spanish 101, 102, and 201 may not count toward the major.

**A minor in Spanish** consists of a minimum of five approved course credit units in Spanish above Spanish 201, including at least one course at the 300 level or above. Only one credit may be allowed from among Spanish 226, 227, and/or 237, or an approved immersion course.

Majors and minors are urged to enroll in an approved study abroad program in a Spanish-speaking country. Those who do not are advised to spend some summers or January terms in a Spanish-language environment. A student returning from a study abroad program must take at least one course in advanced Spanish during the student's remaining time at Austin College.

#### **SPAN 101, 102 Beginning Spanish**

An introduction to the Spanish language, oriented toward developing proficiency in listening, speaking, reading, and writing. (101, summer only; 102, each fall and spring)

#### **SPAN 201, 202 Intermediate Spanish**

Continues development of proficiency in the four areas of listening, speaking, reading, and writing. Prerequisite: Spanish 102 or equivalent. (Each fall and spring)

#### **SPAN 226 Language House (1/2 course credit unit)**

Provides daily exposure to and practice in spoken Spanish. For a designated 14-week term, students live in the language house where Spanish is the language of everyday discourse. Members of the Spanish faculty provide systematic evaluation of each student's progress throughout the term. May be repeated with permission of instructor. (Each fall and spring)

#### **SPAN 227 Intermediate Conversation (1/2 course credit unit)**

Practice in oral skills through conversation, dramatizations, improvisations, discussions, and problem-solving situations. Prerequisite: Spanish 102 or equivalent. May be taken concurrently with Spanish 201, Spanish 202, or Spanish 236. May not be taken for credit after completion of Spanish 236, after study abroad, or by native speakers. Enrollment in consultation with department. May be repeated once with permission of instructor. (Each fall and spring)

#### **SPAN 236 Advanced Spanish**

A variety of literary texts serve as the basis for development of comprehension and production of Spanish. Special emphasis is placed on clarity and accuracy of spoken and written Spanish. Prerequisite: Spanish 202 or permission of instructor. (Each fall and spring)

#### **SPAN 237 Advanced Conversation (1/2 course credit unit)**

Advanced practice in the oral use of the language through readings and discussions of contemporary topics.

Particularly suited for students returning from study abroad who would like to maintain their oral skills. Enrollment in consultation with the department. May be repeated once with permission of the instructor. Prerequisite: Spanish 236. (Each fall and spring)

### **SPAN 250 Intermediate Topics in Hispanic Civilization and Culture**

Introduction to central trends in Latin American or Spanish thought and culture. Although readings may include literary texts, many non-fiction sources will be used. Prerequisite: Spanish 236 or permission of instructor. May be repeated when topic varies. (Offered each year)

### **SPAN 255 World Literatures: Hispanic Literature in Translation**

Hispanic literature in translation. Topics may focus on a particular genre, historical period or movement, and may include consideration of other world literatures. Readings and discussions in English. May be repeated once when topic varies.

### **SPAN 260 Intermediate Directed Study in Spanish**

### **SPAN 350 Advanced Topics in Hispanic Literature**

#### **SPAN 355 Peninsular Literature**

A survey of principal texts, movements, and genres with their historical backgrounds, from the medieval period to the present. Prerequisite: Spanish 236 or permission of instructor. (Offered each year)

#### **\*SPAN 356 Spanish-American Literature \***

A survey of principal texts, movements, and genres with their historical backgrounds, from the pre-Columbian period to the present. Prerequisite: Spanish 236 or permission of instructor. (Offered each year)

#### **SPAN 357 Advanced Conversation and Composition**

A course designed to give the well-prepared student an opportunity to acquire skill in the communication of ideas through extensive preparation and practice. Prerequisite: Spanish 236 or permission of instructor.

#### **SPAN 450 Advanced Topics in Hispanic Literature**

A critical examination of Latin American or Spanish literary texts from selected perspectives. Topics have included the indigenous voice in Latin American narrative, Spanish women writers, and the Latin American "Boom." Prerequisite: Spanish 236 or permission of instructor. May be repeated when topic varies. (Offered each year)

#### **SPAN 460 Advanced Directed Study in Spanish (Variable course credit)**

#### **SPAN 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular Spanish course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under "On Campus Learning Opportunities") May not be counted for the major.

#### **SPAN 481 Seminar in Hispanic Literature**

Specialized topics for advanced study. A new topic will be offered every year. Seminar format. Topics have included the search for origins in Spanish American literature, Spanish American film and literature, Chicana/Mexicana Narrative, Contemporary Spanish Poetry, and Cervantes' Don Quijote. Prerequisite: a 300+-level course in Spanish or permission of instructor. May be repeated once when topic varies. (Each spring)

#### **SPAN 490 Independent Study**

**SPAN 491 Spanish Honors Thesis**

**SPAN 492 Independent Study Off-Campus/NSOC**

# Cognitive Science

## COGNITIVE SCIENCE

*Hank Gorman, director*

The mission of the cognitive science is to provide students in the minor with a faithful representation of the significant issues in cognitive science. Cognitive science is an interdisciplinary field of study which unites people from philosophy, psychology, mathematics, computer science, linguistics, and biology around the common theme of mind. Inquiry in the cognitive sciences involves questions of semantics; knowledge representation; ontology; the functional architecture of human mind; planning, search and control; natural language parsing; cognitive development; and natural and artificial intelligence.

**A minor in cognitive science** consists of a minimum of five course credit units:

- Cognitive Science 120 or Psychology 220 or an approved substitute
- Mathematics 141 or Computer Science 201 or Philosophy 110
- Philosophy 225 or 230
- Philosophy 310, Philosophy 306, Psychology 355, or Computer Science 440
- One elective from Philosophy 225, Philosophy 230, Philosophy 310, Computer Science 410, Computer Science 412, Psychology 215, or approved topics courses on artificial intelligence, linguistics, or cognition

### **COGS 120 Cognitive Science**

Addresses some of the ways in which such varied disciplines as psychology, computer science, linguistics, philosophy, and mathematics ask questions about the nature of mind. Specific content varies, but may include aspects of philosophy of mind, knowledge representation, language processing, artificial intelligence, and neurophysiology. Often includes lab work in robotics and artificial intelligence programming. (Each fall or spring)

# Communication, Media, and Theatre

## COMMUNICATION, MEDIA, AND THEATRE

*Michael Fairley, chair; Liz Banks, Brett Boessen, Kathleen Campbell, Kirk Everist, Erin Copple Smith*

*Debra Flowers (Adjunct)*

*Bonnie Beardsley and W. D. Narramore, Jr. (Emeriti)*

The department is a multidisciplinary program offering focused study and practical experience in the fields of communication, media studies, and theatre.

## COMMUNICATION

Communication offers students the opportunity to study various aspects of communication in everyday social settings. Courses explore the importance and complexities of verbal and nonverbal communication in interpersonal, organizational, and cultural contexts. Students also have the opportunity to learn about the role of public speaking in society and develop their own speaking skills. Students in Communication have opportunities to participate in a variety of internships, and present their own research and interact with scholars at academic conferences.

**A major in communication** consists of a minimum of eight course credit units. At least six course credit units must be communication courses. Theatre 111, and/or Media Studies 121 also may count toward the eight courses. Entry into the major typically is through Communication 112 or 222. At least three courses must be taken at the 300 level or above. Independent Study, Directed Study, or CSOC may count toward the required eight courses with approval. Students seeking to do an advanced Directed Study or Independent Study must consult with the faculty member in the area in which they wish to do advanced work.

**A minor in communication** consists of a minimum of five course credit units. At least four course credit units must come from Communication courses, with at least two classes numbered 300 or above. Theatre 111 or Media 121 may count as one of those credits. Students seeking a minor should confer with an appropriate departmental faculty member to consider specific courses.

The department encourages students to study abroad. However, some courses are or may be required to be completed on the Austin College campus for the Major or Minor. Please consult with the department chair when planning study abroad.

### **COMM 112 Public Speaking**

An introduction to the principles of effective public speaking. Students will learn to structure speeches in effective and ethical ways, to present speeches in various contexts and for various purposes, and to think critically about speeches presented by others in society. (Normally offered each fall and spring)

### **COMM 221 Voice and Diction (also offered as THEA 245)**

A study of the vocal mechanism, performance of standard English pronunciation, and the development of vocal flexibility. (Normally every other year)

### **COMM 222 Interpersonal Communication**

An introduction to theories about the various taken-for-granted ways of communicating in the complex and diverse contexts in which people learn, work, and build relationships. Students will study and apply

communication principles involving language, nonverbal communication, and culture as they relate to their own lives. (Normally taught each fall and spring)

### **COMM 250 Topics in Communication**

An investigation of selected topics and issues in communication. May be repeated when topic varies.

### **COMM 260 Intermediate Directed Study (Variable course credit)**

Prerequisite: one course in COMM.

### **COMM 352 Organizational Communication**

An introduction to a theoretical and practical understanding of the unique forms and functions of communication in organizations. Students will examine various communication issues such as organizational structure, problem solving, technology, diversity, and organizational culture as they relate to different types of organizations in society today. Prerequisite: Any speech class or permission of instructor. (Normally offered every third semester)

### **COMM 355 Nonverbal Communication**

Nonverbal communication involves all the ways people communicate apart from the content of verbal language that each of us participates in on a daily basis, in virtually everything we do. This course is designed to introduce students to theories and concepts that attempt to explain complex communication processes involving nonverbal communication. Prerequisite: Any COMM course or permission of instructor. (Normally offered every third semester)

### **COMM 350, 450 Advanced Topics in Communication**

An investigation of selected topics and issues in communication. Prerequisite: Any COMM class or permission of instructor. May be repeated when topic varies.

### **COMM 353 Communication in Relationships**

This course seeks to develop an understanding of communication-relevant issues in various types of personal relationships including romantic relationships, friendships, work relationships, and others. The course also will develop analytical skills by critically reading current theories/studies and applying these concepts to examples in film/TV, literature, and in general, contemporary relationship phenomena. Prerequisite: any COMM course or permission of instructor. (As needed)

### **COMM 455 Intercultural Communication**

An exploration of theoretical understandings of intercultural, inter-gender, and inter-generational communication. Students will closely examine theories of intercultural phenomena, apply concepts to communication encounters, and investigate intercultural communication by conducting their own research. Prerequisite: Any speech class or permission of instructor. (Normally offered every third semester)

### **COMM 460 Advanced Directed Study (Variable course credit)**

Prerequisite: two 300-level or above courses in COMM.

### **COMM 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular COMM course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See *Bulletin* under "On Campus Learning Opportunities")

### **COMM 490, 491 Independent Study**

Prerequisite: two 300-level or above courses in COMM and junior standing.

## **COMM 492 Independent Study Off-Campus/NSOC**

Prerequisite: two 300-level or above courses in COMM and junior standing. Must have 3.0 GPA in major.

## **MEDIA STUDIES**

Media Studies investigates the wide range of approaches to understanding and interpreting media forms and practices, especially digital and motion picture media such as television, film, internet, and video games. Students will become familiar with theories and practices of media representation, production, consumption, and regulation. Students will have a variety of opportunities to engage critically with existing media producers and texts, as well as create their own.

**A major in media studies** consists of a minimum of eight course credits in Media Studies, including Media 121 and one course in individualized study (CSOC, directed study, or independent study). At least three courses must be taken at the 300-level or above. Theatre 111 and/or Communication 222 also may count toward the eight courses.

**A minor in media studies** consists of five course credits in media studies, including Media 121. At least two courses must be taken at the 300-level or above.

**A minor in film studies** consists of five course credits, including Media 121, Media 440, and three other courses approved for film studies. At least one of the three courses must be at the 300 level or higher, and at least two of the three must be offered through a department other than Communication, Media, and Theatre. A student may repeat Media 440 if the topic differs.

The department encourages students to study abroad. However, some courses are or may be required to be completed on the Austin College campus for the major or minor. Please consult with the department chair when planning study abroad.

### **MEDA 121 Introduction to Media Studies**

An introduction to the history, theory, and analysis of mass and digital networked media, including print, film, radio, television, video games, and the Internet, with primary concern for their modes of representation and roles in culture. (Each fall and spring)

### **MEDA 205 New Media and Cultural Change**

Focuses on the proliferation of cultural practices organized around digital networked media. Students will consider the impact of these practices upon citizens and scholars in contemporary society. (Offering Varies)

### **MEDA 231 Digital Video Production I**

Study of principles and techniques of video production with an emphasis on narrative fiction. (Each fall)

### **MEDA 240 Topics in Media Studies: Film**

An investigation of selected topics and issues in film studies. May be repeated when topic varies.

### **MEDA 250 Topics in Media Studies**

An investigation of selected media topics and issues. May be repeated when topic varies.

### **MEDA 260 Intermediate Directed Study (Variable course credit)**

### **MEDA 351 Digital Video Production II**

Advanced course in principles and techniques of digital video production. Students produce longer forms of

narrative fiction, allowing them to deepen skills acquired in Media 231. Highlights advanced screenwriting, directing, and editing techniques. Prerequisite: Media 231. (Each spring)

**MEDA 440 Advanced Topics in Media Studies: Film**

An investigation of selected topics and issues in film studies. Admission by permission of instructor. Prerequisite: Media 121 or permission of instructor. May be repeated when topic varies.

**MEDA 450 Advanced Topics in Media Studies**

An investigation of selected media topics and issues. Admission by permission of instructor. Prerequisite: Media 121 or permission of instructor. May be repeated when topic varies.

**MEDA 460 Advanced Directed Study (Variable course credit)**

Prerequisite: two courses in media studies.

**MEDA 462 Television Criticism**

Examines multiple program genres through a variety of critical perspectives. Prerequisite: Media 121 or permission of instructor. (Offering varies)

**MEDA 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular media course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See *Bulletin* under “On Campus Learning Opportunities”)

**MEDA 490, 491 Independent Study**

Prerequisite: two courses in media studies and junior standing.

**MEDA 492 Independent Study Off-Campus/NSOC**

**FILM STUDIES**

Film studies investigates the wide range of approaches to understanding and interpreting cinema, both historically and in contemporary society. Students will become familiar with the history of film production, distribution, and consumption, and the major philosophical and critical approaches applied to the study of film. Students may take courses in film history and analysis, national and world cinemas, and cinema in relation to other academic disciplines.

**Courses Approved for the Film Studies Minor:**

ANTH 250 Screening Difference: Film and Ethnography

CLAS 170 The Ancient World in Film

ENG 250 Melodrama

ENG 250 Monsters

ENG 252 Shakespeare and Film

FR 350 French Cinema: 1895 to Today

MEDA 240 Topics in Media Studies: Film

MEDA 351 Digital Video Production II

MEDA 440 Advanced Topics in Media Studies

SPAN 481 Cinelandia

## THEATRE

The theatre curriculum explores aspects of the crafts of theatre-making as well as the history and development of modern theatre.

**A major in theatre** consists of a minimum of nine course credit units, including Theatre 142, 143, 221, and Theatre 493. Ideally, Theatre 142 and 221 are taken during the first year. In addition, one course from another discipline in the Department of Communication, Media, and Theatre is required, and up to two courses may be accepted with faculty approval. At least three courses must be taken at the 300 level or above. Majors are encouraged to consult with theatre faculty in selecting theatre electives. Students seeking to do directed or independent study courses must complete appropriate prerequisites in the area in which they wish to do advanced work. Students should consult with faculty in the department concerning courses in other disciplines that would contribute significantly to their work in theatre. Students majoring in theatre are expected to participate in departmental productions.

**A minor in theatre** consists of a minimum of five course credit units, with at least two classes numbered 300 or above. No more than one credit unit of practicum courses may be counted toward requirements for the minor. Students seeking a minor in theatre should confer with an appropriate departmental faculty member to consider specific courses.

The department encourages students to study abroad. However, some courses are or may be required to be completed on the Austin College campus for the major or minor. Please consult with the department chair when planning study abroad.

### **THEA 111 Theatre Arts Introduction**

A study of the elements of theatre: dramatic structure, play writing, acting conventions, scenic design, and production techniques. (Each fall and spring)

### **THEA 132 Rehearsal and Performance (Variable course credit)**

Supervised practice in the presentation of drama through participation during a 14-week term in faculty-directed departmental production assignments. (Graded S/D/U basis) May be repeated for a total of one course credit unit. (Available as needed)

### **THEA 142 Development of Dramatic Art I**

A study in forms of drama with attention to their historical and social contexts from classical times through the 18th century. (Each spring)

### **THEA 143 Development of Dramatic Art II**

A study of 19th- and 20th-century forms of drama with attention to their historical and social context. Prerequisite: Theatre 142 or permission of instructor. (Each year)

### **THEA 221 Acting**

An introduction to the principles and techniques of acting and the analysis of plays and characters. (Each fall)

### **THEA 244 Movement for Theatre**

A discovery of the psychological and physical sources of movement and the development of skills of using movement for artistic expression. (Every other year)

### **THEA 245 Voice and Diction (also offered as COMM 221)**

A study of the vocal mechanism, performance of standard English pronunciation, and the development of vocal flexibility. (Every other year)

**THEA 250 Topics in Theatre**

Investigation of topics and issues concerning theatre and performance. Prerequisite: permission of instructor. May be repeated when the topic varies.

**THEA 260 Intermediate Directed Study (Variable course credit)****THEA 352 Scene Design and Stage Lighting**

An introduction to the principles and techniques of scenic design and stage lighting and practice in applying these ideas and skills in design projects. Prerequisite: Theatre 142 or 143, or permission of instructor. (Every other year)

**THEA 353 Costume and Make-Up Design**

An introduction to the principles and techniques of costume and make-up design for the stage and practice in applying these ideas and skills in design projects. Prerequisite: Theatre 142 or 143, or permission of instructor. (Every other year)

**THEA 450 Advanced Topics in Theatre**

An investigation of selected topics and issues limited to juniors and seniors. Admission to course is by permission of the instructor. May be repeated when topic varies.

**THEA 460 Advanced Directed Study (Variable course credit)**

Prerequisite: two courses in theatre.

**THEA 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular theatre course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See *Bulletin* under "On Campus Learning Opportunities")

**THEA 471 Directing**

A study of the principles of play direction including technical aspects of production and the acting conventions involved in mounting a play for presentation. Practical production experience is required. Open to non-majors only with permission of instructor. Prerequisite: Theatre 142, 143, 221, and Theatre 352 or 353. (Each fall)

**THEA 490, 491 Independent Study**

Prerequisite: two courses in theatre and junior standing.

**THEA 492 Independent Study Off-Campus/NSOC****THEA 493 Shapers of the Modern Theatre**

An examination of the nature and practice of theatre through intensive study of selected practitioners and theorists whose work has significantly influenced modern Western theatre. Open to non-majors only with permission of instructor. Prerequisite: Theatre 142, 143, 221, and senior standing. (Each fall)

# Nonprofit Organizations and Public Service

## NONPROFIT ORGANIZATIONS AND PUBLIC SERVICE

*Donald Rodgers, director*

The mission of the program in Nonprofit Organizations and Public Service is to help students build knowledge about the important role of nonprofit organizations, philanthropy, and volunteerism in generating policy responses to significant social problems, and to combine classroom and experiential learning to better prepare students to make effective contributions to their communities.

A **minor in nonprofit organizations and public service** consists of six course credits from two different categories and at least three different disciplines plus an approved internship. The internship must be pre-approved by the director.

Category One – Students are required to take three course credits from at least two different disciplines from the following:

ANTH 250 Immigration and the Immigrant Experience  
ANTH 263 Whose Amazon?  
ANTH 365 Race and Ethnic Relations  
ECO 234 Development Economics  
ECO 242 Natural Resource/Environmental Economics  
ECO 280 Health Economics  
ENVS 230/330 Globalization  
HIST 261 Women in America  
HIST 282 The Quest for Civil Rights, 1945 to Present  
HIST 327 Latin American Social Revolutions  
HIST 366 United States: 1945 to Present  
PHIL 205 Ethics  
PSCI 230/330 Globalization  
PSCI 317 Public Policy  
PSCI 332 International Human Rights  
PSCI 430 Comparative Political Development  
PSY 222 Environmental Psychology  
PSY 255 Health Psychology  
PSY 330 Educational Psychology  
PSY 340 Cultural Psychology  
PSY 410 Stigma and Prejudice  
SOC 350 Women in American Social Movements

Other courses may be appropriate and relevant to students' specific interest and may be included with director's approval.

Category Two – Students are required to take three course credits from at least two different disciplines from the following list:

BA 250 Social Enterprise  
BA 250 Corporate Social Responsibility  
BA 261 Financial Accounting  
LEAD 120 Introduction to Leadership (1/2 credit)  
LEAD 240 Studies in Leadership (1/2 credit)  
LEAD 250/350 Special Topics in Leadership  
MATH 120 Elementary Statistics  
PSY 360 Industrial/Organizational Psychology  
SOC 270 Social Science Research Methods  
SPCH 112 Public Speaking  
SPCH 222 Interpersonal Communication  
SPCH 352 Organizational Communication  
SPCH 455 Intercultural Communication  
SSCI 120 Social Science Statistics

Other courses may be appropriate and relevant to students' specific interests and may be included with director's approval.

**NPOPS 260 Intermediate Directed Study in Nonprofit Organizations and Public Service**  
(Variable course credit)

**NPOPS 460 Advanced Directed Study in Nonprofit Organizations and Public Service**  
(Variable course credit)

**NPOPS 490 Independent Study in Nonprofit Organizations and Public Service**

## **Economics & Business Admin**

### **ECONOMICS AND BUSINESS ADMINISTRATION**

*David Griffith, chair; Melanie Fox, Jerry Johnson, Danny Nuckols, Stephen Ramsey, Kevin Simmons, Dan Zhao*

*Matthew Hanley (Adjunct)*

*Hugh Garnett, Clyde Hall (Emeriti)*

The economics and business curriculum is structured to cover the efficient and equitable production and allocation of scarce resources to meet competing ends and the stabilization of the macro economy. Coursework and research opportunities will enable the student to study appropriate and timely business and economic theories, methodologies, policies, and techniques.

### **BUSINESS ADMINISTRATION**

**A major in business administration** consists of a minimum of eight course credit units including Business Administration 261, 361, and 495, and at least five other courses in business administration or economics, two of which must be numbered 300 or above.

A major also is required to take Economics 101 and 102, Mathematics 151 and either Social Science 120 or Mathematics 120. It is strongly recommended that students fulfill these quantitative requirements before taking Business Administration 361 or beginning the junior year, whichever comes first. Those students planning to enter an MBA program are strongly encouraged to take Economics 301 and 302 and Business Administration 262.

### **250 Topics in Economics and Business**

(see Economics 250) (Offered on an occasional basis)

### **251 Business Law**

A study of contracts, negotiable instruments, agency, employment, and property. (Offered on an occasional basis)

260 Intermediate Directed Study (Variable course credit)

### **261 Financial Accounting**

A study of the fundamental concepts of financial accounting, including the measurement, recording, and reporting of financial information. Topics include income measurement, operating cycle, and preparation of financial statements. (Each fall and spring)

### **262 Managerial Accounting**

Measures, techniques, and approaches used by organizational decision makers. Accounting and economic concepts of cost are studied in relation to performance measurement and to both long-term and short-term planning and decision making. The analysis of cost data, budgetary controls, and cost-volume-profit relationships are also covered. Prerequisite: Business Administration 261. (Each fall and spring)

### **283 Student Investment Fund Introduction** (1/4 credit unit)

Students participating in this ¼ credit class will be observing and assisting the fund management team performing market analyses and making investment decisions for the Student Investment Fund. It is expected that some students taking this course will become part of the fund management team in BA 483 the following year. This course may be repeated for a maximum of ½ credit. (Each fall and spring)

### **350 Advanced Topics in Economics and Business**

(see Economics 350)

### **352 Organizational Communication**

(see Speech 352)

### **355 Marketing**

A broad overview of marketing from a managerial perspective emphasizing marketing strategies, market segmentation, and the marketing mix; includes a critical examination of the meaning of the marketing concept within the current social and cultural environment. Prerequisite: Business Administration 261. (Each year)

### **360 Industrial/Organizational Psychology**

(see Psychology 360)

### **361 Finance**

Managerial finance using basic accounting and algebraic techniques. Topics cover financial decision making including bond and stock valuation, capital budgeting, and capital structure. Prerequisite: Business Administration 261, Economics 101, Social Science 120 or Mathematics 120 or permission of instructor. Additionally, Business Administration 262 and Economics 301 encouraged. (Each fall and spring)

### **366 Tax Accounting**

Introduction to the federal tax laws, the history of the federal income tax, determination of federal income tax base, application of tax rates, and the economic and social implications of taxation. Prerequisite: Business Administration 261. (Each fall)

### **368 International Business**

Provides students with an analysis of doing business abroad, including various methods of trade ranging from exporting to joint ventures; evaluates how cultural, economic, environmental, legal, political, and sociological differences between countries impact the performance of U.S. multinationals; also integrates management, marketing, accounting, and finance into the practice of international business. Prerequisite: Business Administration 261 and Economics 102 (Each fall)

### **371 Non Profit Accounting**

An overview of accounting and financial reporting for a variety of non-profit entities and governmental units. Topics include Financial Reporting Standards; Budgetary Accounting and Controls; Accounting for Capital Assets, Capital Projects, and Debt Service; Accounting for Fiduciary Activities and Trust Funds; Analysis of Financial Performance; and Auditing of the Entity. Prerequisite: Business Administration 261. (Every other year)

### **450 Advanced Topics in Economics and Business**

#### **455 Management**

Examination and evaluation of current management theories and practices. Topics include motivation, leadership, organizational structure, decision making, and the evolution of management thought. Prerequisite: Business Administration 261 and Economics 101 (Each year)

#### **460 Advanced Directed Study (Variable course credit)**

#### **464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular business administration course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under "On Campus Learning Opportunities")

#### **471 International Finance**

(see Economics 471)

#### **472 Law and Economics**

(see Economics 472)

#### **482 Capital Markets**

This course covers the determinants of the demand and supply of capital. Issues concerning investments and portfolio management are covered. It is the intent of this course to provide a capstone experience to other Austin College finance classes as well as to prepare students to participate in the Student Investment Fund. Prerequisite: Business Administration 261 and 361 and consent of the instructor. (Every other spring)

#### **483 Student Investment Fund Management (3/4 course credit unit)**

Students participating in this class will be making investment decisions regarding an actual portfolio residing within the college's endowment. The necessary research concerning each investment will be conducted by the students and investment decisions must be presented and defended to the Fund's Advisory Board. Prerequisite: Either Business Administration/Economics 482 or Business Administration/Economics 283 and instructor permission. May be repeated for a total of 1.5 course credit units. Students who desire to participate

beyond 2 semesters may do so as a non-credit course. Prerequisite: Business Administration 261 and Economics 101 (Each fall and spring)

#### **486 Entrepreneurship and Small Business Management**

A course for upper-level business students interested in starting a business. Business fundamentals, such as planning, financing, marketing, and management are explored from a small business perspective using a variety of case studies. Students conduct their own research and develop a comprehensive business plan. Prerequisite: Business Administration 261 and Economics 101 (Each year)

#### **490 Independent Study**

#### **491 Business Administration Honors Thesis**

#### **492 Independent Study Off-Campus/NSOC**

#### **493 Seminar in Economics and Business**

(see Economics 493)

#### **495 Strategic Management**

Course uses computer simulation and case studies to explore the interrelationships of organizations with their environments, emphasizes integrating the various business functions into a meaningful whole. This is a capstone course for business administration majors. Prerequisite: Economics 101 and 102, Business Administration 361. Senior status or permission of instructor. (Each spring)

### **ECONOMICS**

**A major in economics** consists of a minimum of eight course credit units including Economics 101, 102, 301, 302, and four other courses in economics of which two must be numbered 300 or above. An economics major also is required to take Mathematics 151 and either Social Science 120 or Mathematics 120. It is strongly recommended that students fulfill these quantitative requirements, along with Economics 301, before beginning their junior year. Those students contemplating graduate study in economics are strongly advised to take Mathematics 152, 251, 252, and 301.

**A major in international economics and finance** consists of five components: A Mathematics sequence of Mathematics 151 and either Mathematics 120 or Social Science 120. An Economics sequence of Economics 101, 102, 301 and 302. A BA/Finance sequence of Business Administration 261, Business Administration/Economics 361 and Economics 471. An International sequence consisting of two courses from Economics 234, Business Administration 368 and Economic 481.

In addition, the student must complete a semester of study or an approved internship outside the United States and study in another modern language through the 236 level or equivalent.

#### **101 Principles of Microeconomics**

An introductory course in the fundamentals of microeconomics, covering the influence of competitive and non-competitive market structures on efficient resource use. Topics include consumer theory, producer theory, the behavior of firms, market equilibrium, monopoly, and the role of the government in the economy.

(Each fall and spring)

#### **102 Principles of Macroeconomics**

An introductory course in macroeconomic issues such as growth, inflation, unemployment, interest rates, exchange rates, technological progress, and budget deficits; monetary and fiscal policies; and effects on

economic policy initiatives on the macroeconomic performance of the United States and other countries. (Each fall and spring)

### **234 Development Economics**

Explores the theories, process, and impact of economic growth and development in both developed and developing countries. Examines questions such as: Why is economic development important? How is economic development defined? What policies and programs can be used to foster economic development? What are the consequences of economic development for society and the environment? Case studies of economic development plans and outcomes for several countries including the United States of America and countries in Asia, Latin America, and Africa are considered. Prerequisite: Economics 102. (Each spring)

### **242 Natural Resource and Environmental Economics**

Applies the methodology and tools of economic analysis to the study of natural resources and the environment. The “economic way of thinking” is used to analyze important issues related to economic development and environmental stewardship. Topics covered include: economically efficient approaches for controlling air and water pollution, methods of valuing environmental attributes, applications of benefit-cost analysis, and issues related to environmental policy-making both domestically and internationally. Prerequisite: Economics 101 or 102. (Each fall)

### **250 Topics in Economics and Business**

A study of selected topics and issues offered on an occasional basis. May be repeated when topic varies.

### **260 Intermediate Directed Study** (Variable course credit)

### **270 Economic History**

A comparative and multidisciplinary approach to the study of historical economic changes in Western industrial society, encompassing and integrating perspectives originating from economics, political science, philosophy, sociology and literature. Focus is on the historical development, structure, practices, and performance of economic institutions. Topics include pre-industrial economy, industrialization and development, technological change, evolving theories of the state, trade and demographic transitions, and continued interplay between government, industry, labor and the military. This course also provides students with an introduction to the methodology of economic history and economic reasoning within larger historical debates. Prerequisite: Economics 101 or 102 or permission of instructor. (Every other fall)

### **280 Health Economics**

This course applies economic analysis to markets for health and medical care. Specific topics covered include the demand for the production of health, delivery of health care, financing, regulation, costs, health insurance, competition, the role of government in the provision of health care, and differences between health care systems in practice in the U.S. and around the world. Prerequisite: Economics 101 and permission of instructor (Each fall)

### **301 Intermediate Microeconomics**

The theory of consumer behavior and market demand, and producer behavior and market supply; price and output under competitive and imperfectly competitive markets in the short and long run; consequences of market structures for allocative efficiency and distributive equity. Prerequisite: Economics 101 and Economics 102 and Mathematics 151. (Each fall and spring)

### **302 Intermediate Macroeconomics**

A study of the determinants of national income, employment, and prices that contrasts the Keynesian model with the quantity theory of money and neo-classical approaches, compares the effectiveness of monetary and fiscal policies at high and low income, and the differential consequences of these policies for economic stability

and growth. Attention is given to current policy issues and to the history and development of economic thought. Prerequisite: Economics 101 and 102 and Mathematics 151. (Each fall)

### **341 Urban and Regional Economics**

Explores the socioeconomic aspects and policy implications of congestion, population characteristics and measurement, geography, regional differences, urban and rural unemployment issues, and utilities. Prerequisite: Economics 101 and 102. (Offered on an occasional basis)

### **350 Advanced Topics in Economics and Business** (Variable course credit)

Specialized topics offered on an occasional basis. May be repeated when topic varies.

### **361 Finance**

(see Business Administration 361)

### **368 International Business**

(See Business Administration 368)

### **371 Econometrics**

This course introduces students to the techniques necessary to perform empirical economic research. Topics to be covered include multivariate regression, model diagnostics, and the interpretation of regression results. Students will learn how to use SAS to perform data analysis. Prerequisite: Economics 301, Mathematics 120 or Social Science 120, and Mathematics 151. (Each fall)

### **401 Advanced Microeconomics**

The purpose of this class is to provide students planning to attend graduate school a deeper examination of microeconomic theory. Topics covered include theory of consumer choice and production theory in a competitive environment. Presentation of the material relies heavily on mathematics. Prerequisite: Economics 301 and 302. (Every other spring)

### **450 Advanced Topics in Economics and Business**

Specialized topics offered on an occasional basis. May be repeated when topic varies.

### **458 Monetary Institutions and Policy**

This course is an examination of the monetary and central banking system and its relation to the operation of the economy. The nature and functions of money, the functions and instruments of the Federal Reserve System, strategies and effectiveness of central banking, and the determinants of interest rates and the money supply are all examined. Special attention is given to both theoretical models of money demand and supply. Prerequisite: Economics 302. (Offered on an occasional basis)

### **460 Advanced Directed Study** (Variable course credit)

### **464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular economics course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under "On Campus Learning Opportunities")

### **471 International Finance**

This course considers international monetary environments, theory of international capital movement and banking, foreign exchange markets, foreign exchange exposure, currency swaps, interest rate risk, international monetary policy cooperation, and international banking structure and regulation. Attention will also be given to monetary policy and the relation of money to inflation, interest rates, and business cycles. Prerequisite: Economics 301 and Business Administration 361. (Each spring)

### **472 Law and Economics**

Examines the interaction of economics, law, and politics in the creation of the modern state. Uses classical and modern economic and political theory to determine the appropriate economic role for government, with particular attention to industrial organization, anti-trust and regulated policies; emphasizes the influence of economics on legal reasoning and applies economic analysis to tort, contract, property, and criminal law. Prerequisite: Economics 101 and Economics 102. (Offered on an occasional basis)

### **473 Public Finance**

Explores how the taxation and expenditure policies of the government affect the welfare of citizens, with an emphasis on the United States federal government. Examines the motivations behind government participation in the economy (public goods, externalities, efficiency, and equity), explores how the government makes decisions on where it will allocate its available resources, and considers both theoretical and empirical issues related to the design and impact of government taxation policies. The economic impact of the current United States income tax system is examined, and possible alternatives are considered. Prerequisite: Economics 101 and Economics 102. (Offered on an occasional basis)

### **474 Labor Economics**

The study of human resources in the American economy, including an examination of such issues as worker training, education, productivity, discrimination, unemployment, market structures, wages, and public policy. Prerequisite: Economics 301. (Offered on an occasional basis)

### **481 International Trade and Policy**

The study of the gains from free trade resulting from differences in comparative costs under barter, flexible exchange rates, and a gold standard payments system; the differential consequences of import and export quotas, tariffs, and subsidies on economic welfare and income distribution; the effects of various monetary and fiscal policy combinations on the structure of the balance of payments and intergenerational equity; and an evaluation of current United States' policies and institutions. Prerequisite: Economics 301. (Each spring)

### **482 Capital Markets**

(see Business Administration 482)

### **483 Student Investment Fund Management**

(see Business Administration 483)

### **485 The History of Economic Thought**

A systematic survey of the evolution of economic theory and methodology from ancient times through the 20th century. Attention given to the intellectual and historical background of both mainstream (orthodox) economics and the historical reaction against the mainstream (heterodox) economics. Emphasis also placed on how the field of economics is related to other areas in the sciences, social sciences, and the humanities. Prerequisite: Economics 101 and Economics 102. (Every other spring)

### **490 Independent Study**

### **491 Economics Honors Thesis**

### **492 Independent Study Off-Campus/NSOC**

### **493 Seminar in Economics and Business**

The study of significant contemporary problems in economics and business. May be repeated when topic varies.

# English

## ENGLISH

*Alex Garganigo, chair; Peter Anderson, Carol Daeley, Greg Kinzer, Roger Platizky, Randi Tanglen*

*Rebecca Lehmann (Visiting)*

*Kelly Hudgins, Catherine Price (Adjunct)*

*Robert Barrie, Jim Gray, Jack Jernigan, Jerry Lincecum, Peter Lucchesi, William Moore (Emeriti)*

The English curriculum introduces students to a wide range of literatures through which they experience the pleasures of reading as well as the eloquence and power of language and story. The curriculum also introduces students to the historical and cultural traditions that inform the discipline and to basic critical principles of reading and interpretation, fostering students' ability to argue critically and to research and write effectively.

**A major in English** consists of a minimum of nine course credits numbered 121 or above, distributed as follows:

- English 121 and 122
- Two courses from among English courses numbered in the 250s, at least one of which must be from the 250-255 range of courses to satisfy the prerequisite for the 300-level courses.
- One course from each of the four period-course groupings listed below. One intermediate-level course (250-255) may be substituted for a period course when the intermediate course is so designated.

Group 1: English 331 or 332 (-1600)

Group 2: English 341 or 342 (1600-1800)

Group 3: English 351, 352, 353, or 354 (1800-1900)

Group 4: English 361, 363, or 364 (1900-Present)

- One English course numbered 400 or higher, for which two 300-level courses are prerequisite

Among the seven courses taken at the 250 level and above, at least one course must be designated as American, at least one course must be designated as British, and at least one course must be designated as postcolonial or world literatures.

**A minor in English** consists of a minimum of five course credits, including English 121 and four other English courses numbered 122 or higher. Students can select courses to emphasize a variety of interests, including creative writing.

**A major in English with an emphasis on creative writing studies** consists of a minimum of nine course credits numbered 121 or above, distributed as follows:

- English 121 and 122
- English 136
- Two courses in two different genres of creative writing at the 200-level or above: English 256, 257, or 258, or an approved course with a substantial creative writing component from another department

- One course from *three* of the four period-course groupings listed below. One intermediate-level course (250-255) may be substituted for a period course when the intermediate course is so designated.

Group 1: English 331 or 332 (-1600)

Group 2: English 341 or 342 (1600-1800)

Group 3: English 351, 352, 353, or 354 (1800-1900)

Group 4: English 361, 363, or 364 (1900-Present)

- One English course numbered 400 or higher, for which two 300-level courses are a prerequisite.

**A minor in creative writing studies** consists of a minimum of five course credits:

- English 136
- Two courses in two different genres of creative writing at the 200-level or above: English 256, 257, or 258, or an approved course with a substantial creative writing component from another department
- One English course on literature at the 200-level or above
- One other English course on literature or creative writing; or an approved course with a substantial literary or creative writing component from another department.

The English Department awards elective credit for a score of 4 or higher on both English Advanced Placement tests (“Composition and Rhetoric” and “Composition and Literature”), but Advanced Placement credit does not satisfy the prerequisite for entrance into English 122, nor does it count toward the major or the minor.

### **ENG 114 Expository Writing**

An introductory course in expository writing, flexibly designed, and individualized to meet a variety of student interests and needs. Normally taken in the freshman or sophomore year. (Usually each fall and spring)

### **ENG 117 Writing (1/4 course credit unit)**

Offered on an individual basis for students with particular strengths and interests. Those wishing to take this course must arrange for it in consultation with a member of the English faculty. May be repeated for a total of one course credit unit.

### **ENG 121 Interpreting Literature**

An introduction to the discipline of literary study, focusing on how to find meanings in texts and how to argue for those meanings both orally and in writing. Possible emphases include the identification of themes, images, metaphors, myths, various types of motifs, irony, rhetorical patterns, larger structures of organization, and why these matter. Though topics, texts, and genre emphasis might vary from section to section, all sections will include work with prose narrative and poetry and will emphasize close reading, detailed analysis, and effective critical writing. (Each fall and spring)

### **ENG 122 Literary Analysis: Research and Writing**

Follows up on the basic skills emphasized in English 121 and culminates with a research essay. Emphasizes alternatives and controversies in interpretation, with attention to secondary critical texts and the value and methods of research writing. Prerequisite: English 121 or permission of instructor. (Each fall and spring)

### **ENG 136 Introduction to Creative Writing**

An introductory workshop focusing on the elements and techniques of creative writing, emphasizing both poetry and prose. (At least once each year)

### **ENG 214 Advanced Expository Writing**

An advanced course in expository writing. Students will gain a better understanding of the choices and techniques involved in each stage of the writing process, including pre-writing, drafting, and editing.

Prerequisite: English 114 or a score of 4 or 5 on the Language Advanced Placement exam. (Offered on an occasional basis)

### **ENG 250 Topics in Literature**

A study of various selected topics. Title and emphasis announced in term schedule of courses. Probable topics include courses focused on various genres (for example, melodrama, detective fiction), courses focused on particular themes (for example, World War I literature, Literary Journalism), and courses focused on particular authors (for example, Shakespeare). May be repeated once when topic varies. (Offered on an occasional basis)

### **ENG 251 Ethnic Literatures**

A variety of courses focused on interconnections between ethnicity, literature, and cultural history. Possible topics include Native American literatures; Chicano/a literatures; Asian American literatures; African American literatures; Jewish literatures; multi-ethnic literatures; and non-American ethnic literatures. May be repeated once when topic varies. (Offered on an occasional basis)

### **ENG 252 Literature and Other Disciplines**

A variety of courses exploring cross-disciplinary approaches to literature. Possible topics include literature and medicine; literature and psychology; literature and environmental studies; literature and cultural studies; literature and religion; literature and painting; literature and music; literature and film; literature and economics; and literature and education. Portions of this course may be team taught or supplemented by guest lecturers. May be repeated once when topic varies. (Offered on an occasional basis)

### **ENG 253 Literature and Gender**

A variety of courses focused on issues of sex and gender in literature. Topics include women's literature, gender/genre, bodies of enlightenment, gay and lesbian writers, and postcolonial women writers. May be repeated once when topic varies. (Offered on an occasional basis)

### **ENG 255 World Literatures**

A variety of courses focused on national literatures outside of America and Britain, literatures in translation, or transnational literatures of a given moment. Topics include Hispanic literatures, Russian literatures, African literatures, Indian literatures, Asian literatures, Francophone literatures, and 20th-century comparative world literatures. May be repeated once when topic varies. (Offered on an occasional basis)

### **ENG 256 Creative Writing: Fiction Writing**

A workshop course involving the writing of fictional narratives. In order to enhance students' awareness of language and of various narrative (storytelling) strategies, the course also involves reading and discussing published fiction narratives. Each student will prepare a portfolio of his or her work for the term. Prerequisite: English 136 or permission of instructor. (At least once each year, usually fall)

### **ENG 257 Creative Writing: Poetry**

A workshop course in poetry writing. The course also involves reading and discussing published poetry and essays on poetics. Each student will prepare a portfolio of his or her work for the term. Prerequisite: English 136 or permission of instructor. (At least once each year, usually spring)

### **ENG 258 Literary Journalism**

"Literary journalism" is journalism of the highest order. Intensely interesting, popular writing—non-fictional, issue-centric, topical, analytic, sociopolitical—it is aimed at an intelligent and informed audience. Students will write literary journalistic articles and study examples of literary journalism. Each student will prepare a portfolio of his or her work for the term. Prerequisite: English 136 and permission of instructor. (Alternate years, usually fall)

**ENG 260 Intermediate Directed Study (Variable course credit)**

Prerequisite: Normally at least English 121 and 122; permission of instructor always required. (See Bulletin under "On Campus Learning Opportunities")

**ENG 331 Studies in Medieval British Literature**

A variety of courses structured around authors, genres, themes, cultural and historical developments, or some combination of the above, frequently with an emphasis on Chaucer. May be repeated once when topic varies. Prerequisite: English 121 and 122, plus one course from the English 250-255 range, or permission of instructor. (Not offered 2009-10)

**ENG 332 Studies in 16th-Century British Literature**

A variety of courses structured around authors, genres, themes, cultural and historical developments, or some combination of the above. Possible courses include Renaissance Lyric Poetry; The Back-talk of Renaissance Popular Drama; and Shakespeare and His Contemporaries. Prerequisite: English 121 and 122 plus one course from the English 250-255 range or permission of instructor. May be repeated once when topic varies. (Not offered 2009-10)

**\*ENG 341 Studies in 17th-Century British Literature**

A variety of courses structured around authors, genres, themes, cultural and historical developments, or some combination of the above. Possible courses include Love and Death in Late Renaissance Literature; Early Modern British Women Writers; Birth, Marriage, and Death in Early Modern England; and Writing the English Revolution. Prerequisite: English 121 and 122 plus one course from the English 250-255 range, or permission of instructor. May be repeated once when topic varies. (Not offered 2009-10)

**ENG 342 Studies in 18th-Century British Literature**

A variety of courses structured around authors, genres, themes, cultural and historical developments, or some combination of the above. Possible courses include Sense and Sensibility; Restoration and 18th-Century Drama; The 18th-Century English Novel; 18th-Century English Women Writers; Gardens and Landscapes in 18th-Century British Literature; and Literature and the Visual Arts in Georgian England. Prerequisite: English 121 and 122 plus one course from the English 250-255 range or permission of instructor. May be repeated once when topic varies. (Each spring)

**ENG 350 Topics in Literature**

A study of various selected topics. Title and emphasis announced in term schedule of courses. Probable topics include courses focused on various genres, courses focused on particular themes, and courses focused on particular authors. Prerequisite: English 121 and 122 plus one course from the English 250-255 range or permission of instructor. May be repeated once when topic varies. (Offered on an occasional basis)

**ENG 351 Studies in British Romantic Literature**

A variety of courses focusing on selections from British literature from about 1789 to about 1837, sometimes including continental or colonial works. Courses may be structured around authors, genres, themes, cultural contexts, historical development, or some combination of the above. Possible courses include The Romantic Lyric; Romanticism and Revolution; The Younger Romantics; and Lunatics, Lovers, and Poets. May be repeated once when topic varies. (Alternate years; not offered 2009-2010)

**ENG 352 Studies in British Victorian Literature**

A variety of courses structured around authors, genres, themes, cultural and historical developments, or some combination of the above. Possible courses include Yesterday and Today; Patterns and Paradoxes; and Victorian Vocations. Prerequisite: English 121 and 122 plus one course from the English 250-255 range or permission of instructor. May be repeated once when topic varies. (Alternate years; not offered 2009-2010)

**ENG 353 Studies in American Literature to 1900**

A variety of courses structured around authors, genres, themes, cultural and historical developments, or some combination of the above. Possible courses include Romanticism; Realism; and Complicating Gender and Genre. Prerequisite: English 121 and 122 plus one course from the English 250-255 range or permission of instructor. May be repeated once when topic varies. (Each fall)

**ENG 354 Studies in Colonial Literatures**

A variety of courses focused on colonial and neo-colonial writing, especially as it intersects with imperialism, oppression, politics, nationalism, Westernization, and globalization. Possible courses include Oppression and Africa; Historical Conversations from Inside and Outside; Race and Colonialism in World Literatures Before 1900; and The Rise of Empire and its Respondents. Prerequisite: English 121 and 122 plus one course from the English 250-255 range or permission of instructor. May be repeated once when topic varies. (Offered on an occasional basis)

**ENG 361 Studies in British Literature of the 20th Century**

A variety of courses structured around authors, genres, themes, cultural and historical developments, or some combination of the above. Possible courses include Modern British Poetry or Modernism and the British Empire. Prerequisite: English 121 and 122 plus one course from the English 250-255 range or permission of instructor. May be repeated once when topic varies. (Offered on an occasional basis)

**ENG 363 Studies in American Literature from 1900 to the Present**

A variety of courses structured around authors, genres, themes, cultural and historical developments, or some combination of the above. Possible courses include First Wave Modernism; Lyric Politics; and Sex, Race, and Power. Prerequisite: English 121 and 122 plus one course from the English 250-255 range or permission of instructor. May be repeated once when topic varies. (Each year, normally spring)

**ENG 364 Studies in Postcolonial Literatures**

A variety of courses focused on colonial, neo-colonial, and post-colonial writing, especially as it intersects with imperialism, oppression, politics, nationalism, Westernization, and globalization. Possible courses include Infanticide, Child Abuse, Postcolonialism; Postcolonialism and the Environment; and Food and Postcolonialism. Prerequisite: English 121 and 122 plus one course from the English 250-255 range or permission of instructor. May be repeated once when topic varies. (Each year, normally fall)

**ENG 430 Literary Theory**

A variety of courses designed to introduce issues of contemporary movements in critical theory. These courses have the goal of helping students to become conversant with a range of theoretical ideas and of providing them with some conceptual tools for their thinking, research, and writing about literary and cultural texts. Possible courses include Introduction to Literary Theory; Gender and Theory; Postcolonialism and Theory; and Cultural Studies. Prerequisite: Two 300-level English courses or permission of instructor. May be repeated once when topic varies. (Offered on an occasional basis)

**ENG 431 Major Authors**

An intensive study of works by one or more writers. Possible courses include William Shakespeare, Charles Dickens, and Thomas Hardy. Prerequisite: Two 300-level English courses or permission of instructor. May be repeated once when topic varies. (Offered on an occasional basis)

**ENG 432 Research and Writing**

An advanced research and writing seminar. Prerequisite: Two 300-level English courses or permission of instructor. (Offered on an occasional basis)

**ENG 450 Topics in Literature**

An advanced seminar dealing with a topic in literature or language. Recent or projected topics: Material

Body/Material Text; Early Modern Women Playwrights; Romanticism & Revolution. Prerequisite: Two 300-level English courses or permission of instructor. May be repeated once when topic varies. (Offered on an occasional basis)

#### **ENG 460 Advanced Directed Study (Variable course credit)**

Prerequisite: Normally, two 300-level English courses; permission of instructor always required. (See Bulletin under “On Campus Learning Opportunities”)

#### **ENG 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular English course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under “On Campus Learning Opportunities”)

#### **ENG 490 Independent Study**

Prerequisite: Normally, two 300-level English courses; permission of instructor always required. (See Bulletin under “On Campus Learning Opportunities”)

#### **ENG 491 English Honors Thesis**

By departmental invitation only.

#### **ENG 492 Independent Study Off-Campus/NSOC**

(See Bulletin under “Off Campus Learning Opportunities”)

## **Environmental Studies**

### **ENVIRONMENTAL STUDIES**

*Keith Kisselle, chair, Environmental Studies Academic Program*

*Peter Schulze, director, Center for Environmental Studies*

*Brad Smucker, director, Thinking Green Campus Awareness*

*Other members of the Steering Committee: David Baker, George Diggs, Karánn Durland, Steve Goldsmith, Max Grober, Wayne Meyer, Danny Nuckols, Jennifer Randles, Don Rodgers, Julia Shahid, Ivette Vargas-O'Bryan*

The Center for Environmental Studies promotes multidisciplinary inquiry of environmental issues and problems through education, research, and outreach programs. These programs are designed to increase scientific knowledge, expand community awareness and foster greater appreciation for the interdependence of humans and other species. The center also serves as a catalyst for innovation in support of its educational, business, and community constituencies.

**Students who are interested in the environmental studies major are strongly encouraged to consult with Peter Schulze or Keith Kisselle at their earliest convenience.** Students also are encouraged to study the Web page of the environmental studies program ([www.austincollege.edu/envstudies](http://www.austincollege.edu/envstudies)).

**A major in environmental studies** normally consists of 10 course credits including Environmental Studies 235 and 479, Economics 242, Philosophy 207 or 307, and one of the following: Biology 334, Biology 346, or Physics 240. In addition to the college requirement that a major include at least three courses above 300, the environmental studies major requires at least six courses above 200. The following courses are some of the Austin College courses approved for the environmental studies major, with the exception that Biology 115 and

Economics 101 or 102 may be counted only if taken to satisfy a prerequisite for another approved course on this list. The academic chair must approve any other courses chosen as electives for the environmental studies major.

**BIOL 115** Evolution, Behavior, and Ecology

**BIOL 334** Ecology (Prerequisite – see course description)

**BIOL 346** Ecosystem Ecology (Prerequisites – see course description)

**ECO 101** Principles of Microeconomics

OR

**ECO 102** Principles of Macroeconomics

**ECO 242** Natural Resources and Environmental Economics (Prerequisite: ECO 101 or 102)

**ENVS 235** Introduction to Environmental Studies

**ENVS 230** Globalization (See note at ENVS 330)

**ENVS 330** Globalization (Prerequisites – see course description. Environmental Studies majors should enroll in 330 rather than 230 when feasible.)

**ENVS 479** Environmental Policy (Prerequisites – see course description)

**HIST 250** European Environmental History

**PHIL 207** Ethics and the Environment (see note at PHIL 307)

**PHIL 307** Environmental Philosophy (Prerequisites – see course description. Environmental Studies majors should enroll in 307 rather than 207 when feasible.)

**PHY 101** The Day After Tomorrow: Global Climate and Extreme Weather

**PHY 240** Atmospheric and Environmental Physics (Prerequisites – see course description)

**PSY 222** Environmental Psychology

Students who plan to major in environmental studies should select elective courses for the major that are best suited to their particular interests and should choose a minor (or second major) that best complements their interests in environmental studies. The academic chair must approve any courses that are not included in the above list.

**A minor in environmental studies** normally consists of five course credits, including Environmental Studies 235 and 479, and three other approved courses from at least two of the college's divisions (humanities, natural sciences, social sciences). The minor must include at least two courses from different departments from the following list. Pre-approval from the academic chair is required to substitute any course not listed.

**BIOL 334** Ecology

**BIOL 346** Ecosystem Ecology

**ECO 242** Natural Resources and Environmental Economics

**ENVS 230 or ENVS 330** Globalization

**\*PHIL 207** Ethics and the Environment

**PHIL 307** Environmental Philosophy

**PHY 240** Atmospheric and Environmental Physics

### **ENVS 235 Fundamentals of Environmental Studies**

An introduction to major environmental issues that includes fundamental concepts of environmental studies, the roots of environmental problems, options for responding to environmental problems, and challenges of achieving sustainability. Students write proposals for ways to reduce the college's environmental impact. (Usually each fall and spring)

### **250 Topics in Environmental Studies**

An investigation of selected topics and issues concerning environmental studies. May be repeated when topic varies. (Offered on an occasional basis)

### **ENVS 230, 330 Globalization**

This course provides an overview of the force we call globalization. Readings, lectures, and class discussions address different definitions and evaluation of globalization as well as the economic, political, social, cultural, and environmental impacts of global integration. Other topics covered include the structure, goals, and accountability of international organizations such as the United Nations, the World Trade Organization, the International Monetary Fund, and the World Bank, as well as the role of non-governmental actors in promoting or opposing globalization and in working to ensure the protection of social and environmental goals. Students who take the course at the 330 level are required to complete an extra research paper. Prerequisite: None for environmental studies 230, 1 environmental studies course for 330. (Each spring)

### **ENVS 260 Intermediate Directed Study (Variable course credit)**

### **ENVS 350, 450 Advanced Topics in Environmental Studies**

### **ENVS 460 Advanced Directed Study (Variable course credit)**

### **ENVS 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular environmental studies course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under "On Campus Learning Opportunities")

### **ENVS 479 Environmental Policy**

This course builds upon Environmental Studies 235 and incorporates key ideas from ecology, economics, ethics, and other disciplines in a study of options for responding to environmental issues. The course examines both theoretical and actual approaches to solving or preventing environmental problems. Readings cover the history of environmental issues, leading ideas for more effective environmental policy, the system of laws and regulations in the United States and their development, and the challenge of international environmental agreements. Prerequisite: junior or senior status and completion of Environmental Studies 235 with a grade of at least C, or permission of the instructor. (Usually each spring)

### **ENVS 490 Independent Study**

An experiential learning activity to be approved by the Environmental Studies Steering Committee. Possible project areas include basic research, off-campus internships, and service projects. Prerequisite: junior or senior status with preference for students who have completed their junior year.

### **ENVS 491 Environmental Studies Honors Thesis**

### **ENVS 492 Independent Study Off-Campus/NSOC**

# Exercise & Sport Science

## EXERCISE AND SPORT SCIENCE

*Brian Wright, chair*

*David Norman*

*Paul Burns, Austin Coachman, Jaclyn Davis, Loren Dawson, Michelle Filander, Teresa Hall, Mark Hudson, Mary Nickell, Amanda Parsley, Mike Silva, Rodney Wecker, Jacob Willrich, Timothy Yourison (Adjunct)*

The exercise and sport science program provides students in a liberal arts environment the opportunity to combine ESS courses with other academic disciplines to develop interdisciplinary degrees. The ESS minor prepares students for a career in teaching and coaching at the high school and elementary levels. The program promotes a life long appreciation for wellness and physical activity.

Through the interdisciplinary major option students may prepare for a career that combines a course of study in exercise and sport science with another field such as business administration or biology. The department chair should be consulted in the design of an interdisciplinary program.

**A minor in exercise and sport science** consists of a minimum of five course credit units, including Exercise and Sport Science 121, 495, and at least one other course numbered 300 or higher.

Students in the Austin Teacher Program desiring to meet the requirements for EC-12 teaching certification will be required to take Exercise and Sport Science 115, 121, 353, 354, 363, 462, and 495.

### **ESS 115 Basic First Aid Techniques (1/2 course credit unit)**

Designed to prepare students to make appropriate decisions regarding first aid care and to action those decisions in an emergency situation before medical help arrives. The course provides opportunities for Community First Aid and Safety Certification and the CPR Professional Rescuer Certification. Seven-week course. (Each spring)

### **ESS 121 Introduction to Exercise and Sport Science**

An introduction and presentation of the basic facts and beliefs concerning the field of exercise and sport science (historically known as physical education). Attention is focused on professional opportunities in the field of exercise and sport science. (Fall and spring)

### **ESS 241 Coaching Team Sports (1/2 course credit unit)**

A course that covers the coaching philosophy and techniques involved in specific team sports. Football, basketball, volleyball, soccer, and baseball. Seven week course. May be repeated when topic varies. (Offered on an occasional basis)

### **ESS 242 Current Issues in Exercise and Sport Science**

An opportunity to identify and explore current issues in exercise and sport science, which may include physiological, psychological, and sociological implications. Supporting data for opposing views are an integral part of the decision-making process. (Offered on an occasional basis)

### **ESS 245 Principles of Coaching Sports**

An overview intended to explore the foundations of coaching for the professional. This course will review the philosophy and methods involved in coaching sports at all levels. Topics include coaching roles and responsibilities, risk management, principles of training, skill assessment, the role of sportsmanship, and

development of leadership in sport. Students will also develop a personal coaching philosophy as part of this course. (Offered on an occasional basis)

### **ESS 244 Personal Health**

This course is designed to provide relevant information that will allow students to make wise decisions regarding their health throughout their lifetime. Topics include psychological health and stress management; nutrition, fitness, and weight management; personal relationships and human sexuality; protecting against diseases; aging, death and dying; and consumerism and environmental health. (Usually each fall)

### **ESS 250 Intermediate Topics in Exercise and Sport Science**

Specialized topics offered on an occasional basis. Possible topics include personal growth through physical challenge, women in sports, modern Olympics, ethics in coaching, and personal health. Prerequisite: permission of instructor. May be repeated when topic varies.

### **ESS 260 Intermediate Directed Study (Variable course credit)**

### **ESS 353 Teaching Movement Education in the Elementary School**

Construction of movement tasks in rhythm and game skill movement for children in grades K-6. Prerequisite: Exercise and Sport Science 121 or Education 225. (Each spring)

### **ESS 354 Teaching Methods in the Secondary School**

A study of the skills and techniques required to design and implement effective instructional programs in physical education at the secondary school level. Prerequisite: Exercise and Sport Science 121 or Education 225 (Each fall)

### **ESS 363 Energy, Nutrition, and Human Performance**

A multi-dimensional study of energy, nutrition, and human performance, dealing with the relationship between food nutrients, physiological, and metabolic systems. Study will include physiological systems of energy, delivery, and utilization and the role of exercise in cardiovascular health and aging. Prerequisite: permission of instructor (Each fall)

### **ESS 450 Advanced Topics in Exercise and Sport Science**

A critical examination of physical perspectives. This course can serve to provide an in-depth study of selected topics such as biomechanics, analysis of sport skills, advanced athletic training, and other subjects involving sport science and human performance. May be repeated when topic varies.

### **ESS 460 Advanced Directed Study (Variable course credit)**

### **ESS 462 Biomechanics**

A study of the fundamental movements of the human body to determine the actions and motion of the body in physical activity and the development of body control. Special emphasis is placed on the correction or identification of common physical deviations and analysis of movement patterns. Prerequisite: Exercise and Sport Science 363. (Each spring)

### **ESS 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular Exercise and Sport Science course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under "On Campus Learning Opportunities")

### **ESS 471 Administration of Athletics, Physical Education, and Recreation**

Organizing and administering programs in physical education, athletics, and recreation. Special attention is

given to personnel and program administration in both the highly competitive and the recreational context.  
Prerequisite: Exercise and Sport Science major or minors only. (Offered on an occasional basis)

### **ESS 490 Independent Study**

### **ESS 491 Exercise and Sport Science Honors Thesis**

### **ESS 492 Independent Study Off-Campus/NSOC**

### **ESS 495 Senior Conference**

Prerequisite: senior Exercise and Sport Science major or minors only (Each spring)

## **PHYSICAL FITNESS**

Austin College believes that physical fitness and an understanding of a healthy lifestyle should be an integral part of the overall educational experience. This requirement for graduation may be met by participation in a lifetime sports class, approved college transfer or for non-academic credit by successful participation in a intercollegiate varsity sport.

### **LS 010 Intercollegiate Varsity Athletics (Zero course credit)**

Successful participation in a varsity athletic team sport will fulfill the physical fitness requirement. Participants will not receive academic credit. Austin College offers varsity sports in men and women's soccer, men and women's swimming and diving, men and women's tennis, men and women's basketball, women's volleyball, football, baseball, and softball.

### **LS 115 Lifetime Sports (1/4 course credit unit)**

Basic physical skills development in a variety of selected sports activities. Sample activities: aerobic conditioning, aerobic dance, golf, racquet sports, swimming, and strength training. (Graded on S/D/U basis). May be repeated for a total of one course credit unit when content varies. (Each fall and spring)

# Film Studies

## FILM STUDIES

*Brett Boessen, director*

Film studies investigates the wide range of approaches to understanding and interpreting cinema, both historically and in contemporary society. Students will become familiar with the history of film production, distribution, and consumption, and the major philosophical and critical approaches applied to the study of film. Students may take courses in film history and analysis, national and world cinemas, and cinema in relation to other academic disciplines.

A minor in film studies consists of five course credits, including Media 121, Media 440, and three other courses approved for film studies. At least one of the three courses must be at the 300 level or higher, and at least two of the three must be offered through a department other than Communication, Media, and Theatre. A student may repeat Media 440 if the topic differs.

Courses approved for the minor include:

**ANTH 250** Screening Difference: Film and Ethnography

**CLAS 170** The Ancient World in Film

**ENG 250** Melodrama

**ENG 250** Monsters

**ENG 252** Shakespeare and Film

**FR 250** The French New Wave

**FR 350** French Cinema: 1895 to Today

**JAPN 250/350** Japan and Cinema

**MEDA 351** Digital Video Production II

**SPAN 481** Cinelandia

### ***240 Topics in Media Studies: Film***

An investigation of selected topics and issues in film studies. May be repeated when topic varies.

### ***260 Intermediate Directed Study in Film Studies (Variable course credit)***

### ***440 Advanced Topics in Media Studies: Film***

An investigation of selected topics and issues in film studies. Admission by permission of instructor.

Prerequisite: Media 121 or permission of instructor. May be repeated when topic varies.

### ***460 Advanced Directed Study in Film Studies (Variable course credit)***

### ***490 Independent Study in Film Studies***

# Gender Studies

## GENDER STUDIES

*Todd Penner, director*

The gender studies program provides students with the tools to examine and interrogate gender both as a social construct and as a lived reality. Using comparative, competing, and cross-disciplinary perspectives, students are invited to analyze gender performance, sexuality, and sex-identification as these are situated in a variety of personal, social, cultural, and historical contexts. Intersections with race, class, age, ethnicity, and national identity are often explored in the process.

A student may **major in gender studies** by submitting a proposal for a personally designed interdisciplinary major (see the director for more information). Disciplinary courses approved for gender studies are listed collectively in the course schedule each term.

**A minor in gender studies** consists of a minimum of six course credit units including Gender Studies 120 or an approved substitute. Some of these consider gender directly or devote significant sections to the topic, but others require that students select gender-related topics for their research assignments to earn gender studies credit in the course. At least three disciplines must be represented in work counting toward this minor, with at least two courses numbered 200 or above, including one course numbered 300 or above. Up to two courses taken in the January term may be applied to the minor (please consult with the director prior to enrollment). Topics courses may be applied to the minor with the approval of the gender studies director and the vice president for Academic Affairs.

### **GNDR 120 Introduction to Gender Studies**

An exploration of the multi-faceted nature of gender, sex, and sexuality as these intersect with societal, cultural, historical, scientific, and intellectual facets of human life and experience. Seeking broad exposure to various traditions in the study of gender and society, and using a multi-interdisciplinary approach (drawing on methods from the humanities, sciences, and social sciences), we seek to gain an appreciation for the ways in which humans have constructed the body over time, how different kinds of gender and sex performances are viewed from both dominant cultural perspectives and from those on the periphery, and how these perceptions are deeply integrated into the larger societal fabrics that make up our daily lives. (Each fall)

### **GNDR 201 Women and Science**

How have women contributed to science? Do women (or feminists) do science differently, and if so how? Why are women underrepresented in science? How can women, both personally and institutionally, be more successful in science? This course will explore various answers to these questions from multidisciplinary perspectives including psychology, sociology, history, philosophy, and literature. While this course will examine the past and present status of women in mathematics, physics, chemistry, and biology, technical knowledge of these fields is not necessary for the course.

### **GNDR 250 Topics in Gender Studies**

A study of selected topics and issues offered on an occasional basis. May be repeated when topic varies.

### **GNDR 253 Literature and Gender**

A variety of courses focused on issues of sex and gender in literature. Topics include women's literature, gender/genre, bodies of enlightenment, gay and lesbian writers, and postcolonial women writers. May be repeated once when topic varies. (Offered on an occasional basis)

### **GNDR 260 Intermediate Directed Study (Variable course credit)**

### **GNDR 350, 450 Advanced Topics in Gender Studies**

An investigation of selected topics and issues in gender studies offered on an occasional basis. May be repeated when topic varies.

### **GNDR 460 Advanced Directed Study (Variable course credit)**

### **GNDR 490 Independent Study**

### **GNDR 492 Independent Study Off-Campus/NSOC**

## **General Studies**

### **GENERAL STUDIES**

This program involves interdisciplinary study that includes material that crosses departmental and divisional lines. Occasionally, the program involves fields not regularly offered at the college.

### **GS 201 Interdisciplinary Topics**

### **GS 230 Post-Internship Reflection**

This course follows upon the pre-internship retreat and the successful completion of the internship. It is intended to provide structured time and resources for vocational reflection upon the internship experience. Through readings, lectures, outside speakers, discussions, and written reflections, different voices are brought to bear on the various ways in which work and a meaningful life intersect. The course will draw upon cultural, historical, philosophical, psychological, and religious perspectives in the process of making significant life choices. (As needed)

### **GS 250 Intermediate Topics in General Studies**

Introductory courses on materials that cross departmental and divisional lines or involve fields not regularly offered at the college. May be repeated when topic varies.

### **GS 260 Intermediate Directed Study in General Studies (Variable course credit)**

### **GS 350 Advanced Topics in General Studies**

Advanced courses on materials which cross departmental and divisional lines or involve fields not regularly offered at the college. May be repeated when topic varies.

### **GS 460 Advanced Directed Study in General Studies (Variable course credit)**

### **GS 490 Independent Study in General Studies**

# Global Sci, Tech, & Society

## GLOBAL SCIENCE, TECHNOLOGY, AND SOCIETY

*Dan Nuckols, Donald Salisbury, co-directors*

There is a complex relationship between science and society, and this relationship is global in scope. The Global Science, Technology, and Society Program explores this relationship both in contemporary societies and from an historical perspective. The goals of the minor are to:

1. Understand the practice and philosophy of science
2. Explore how societal and historical forces shape, and are shaped, by science, its boundaries, its implementation, and its use
3. Examine ethical questions about the use of science and technology
4. Explore multicultural and international approaches to science in a global context, including how differences of culture, class, gender, and ethnicity affect how science is practiced

The minor in global science, technology, and society is designed to foster awareness of the interrelationship of global culture and the changing nature of scientific knowledge and technology. The quest for scientific knowledge is universal, yet both the advances in knowledge and the implementation of technologies can be properly understood only in their multicultural context. Historical and contemporary studies of the relationship between science and society help to moderate our parochial conceits. Such studies create conditions that allow international problems like global warming, pandemic disease, secure telecommunications, militarization of space, economic inequality, and environmental degradation to be addressed in true cooperative and informed spirit.

**A minor in global science, technology, and society** consists of five courses: GSTS 250: Intermediate Topics in Global Science, Technology, and Society, and four courses from the following list of approved courses. At least one of those courses must have a global perspective; such courses are designated with an asterisk. In addition, students are required to undertake an approved GSTS-related international experience and present their reflections on this experience in a public forum on campus.

**ANTHRO 263**<sup>1</sup> Whose Amazon?  
**BIO 101**<sup>1</sup> Influenza – From 1918 until 2009  
**BIO 101** Microbes and Society  
**CHEM 101** Women and Science  
**BIO 246**<sup>1</sup> Eukaryotic Pathogens  
**ECON 234**<sup>1</sup> Economic Development  
**ECON 270** Economic History  
**ECON 485** History of Economic Thought  
**ENG 252** Literature and Science  
**ENVS 235** Introduction to Environmental Studies  
**ENVS 230/330** Globalization  
**ENVS 479** Environmental Policy  
**PHIL 205** Ethics  
**PHIL 207** Environment Philosophy  
**PHIL 209** Ethics and Medicine  
**PHIL 306** Knowledge and Reality  
**PHIL 307** Environmental Philosophy  
**PHIL 310** Mind and Language

**PHY 101**<sup>1</sup> The Day After Tomorrow (Global Climate and Extreme Weather)

**PSCI 240**<sup>1</sup> Introduction to Asian Politics

**PSCI 430**<sup>1</sup> International Relations Theory

**PSY 214** Psychopharmacology

**PSY 340**<sup>1</sup> Cultural Psychology

**REL 220**<sup>1</sup> Illness, Medicine, and Healing in Asian Religions

**SCI 201** All sections

**SCI 202** Axioms and Atoms

<sup>1</sup> Approved courses in Classics, History, Philosophy, Anthropology, Sociology, and Religion

<sup>1</sup> Approved courses in African Studies, Art History, Asian Studies, English, and Modern Language Literature and Culture

<sup>1</sup> Approved Science 101 courses

<sup>1</sup> Approved Science disciplinary courses

Other courses may be appropriate and relevant to students' specific interests and may be included with director's approval.

**GSTS 250 Intermediate Topics in Global Science, Technology, and Society**

Interdisciplinary subjects dealing with the interrelationship of global culture and the changing nature of science and technology. May be repeated when topics vary. No prerequisites. (Each spring)

**GSTS 260 Intermediate Directed Study (Variable course credit)**

**GSTS 350-450 Advanced Topics in Global Science, Technology, and Society**

Interdisciplinary subjects dealing with the interrelationship of global culture and the changing nature of science and technology. May be repeated when topics vary. Prerequisites: Global Science, Technology, and Society 250 or equivalent. (Each fall)

**GSTS 460 Advanced Directed Study (Variable course credit)**

**GSTS 490 Independent Study**

**GSTS 491 Global Science, Technology, and Society Honors Thesis**

**GSTS 492 Independent Study Off-Campus/NSOC**

# History

## HISTORY

*Hunt Tooley, chair; Light Cummins, Victoria Cummins, Max Grober, Jacqueline Moore*

*George Schild (Visiting)*

*Kristen Streater (Adjunct)*

*A.J. Carlson, Oscar Page (Emeriti)*

The mission of the History Department is to provide students with an analytical basis, encompassing multiple areas and time frames, for judgment and perspective on the past.

**A major in history** consists of a minimum of eight course credit units, at least three of which are at the 300 level or above, and no more than four of which are at the 100 level. This work must include at least one course in each of the following three areas:

1. United States history
2. European history
3. History of Latin America, Africa, Asia, or the Middle East.

**A minor in history** consists of a minimum of five course credit units with work in at least two of the geographical areas listed above, and at least two course credit units numbered 300 or above. The department recommends that two courses be taken at the 100 level and one course at the 200 level.

### **HIST 103 The Middle East Since Muhammad**

A survey of Middle Eastern history since the rise of Islam. Examines patterns of Middle Eastern life, Islam and its contributions to Middle Eastern political and social systems, the various political forms that have held sway in the Middle East, expansion of the Ottoman Empire, European incursions into the Middle East more recently, and finally the history of the Middle East since the world wars, a time of independence and change. (Every other year)

### **HIST 113 East Asian Civilization**

A survey of the histories of China, Japan, and Korea, beginning with a description of the nature of traditional societies in those countries, followed by an examination of the social, political, and economic issues in East Asian history since 1800. (Every other year)

### **HIST 123 Survey of Latin American History**

A chronological and topical examination of colonial, national period, and 20th-century Latin American history with emphasis on concepts and events common to the political, social, and economic development of the region. (Most terms)

### **HIST 133 Europe and the World to 1500**

An introduction to the history of Europe from earliest times to the fifteenth century. Emphasis on the civilizations of ancient Greece and Rome, Islam, and Medieval and Renaissance Europe. (Each fall)

### **HIST 143 Europe and the Modern World**

A chronological and topical examination of Europe's rise to dominance in the modern world beginning with the

political, social, and economic changes of the 15th century and ending with the post-World War II era. (Each fall and spring)

**HIST 162 History of the United States to 1876**

A chronological survey of significant political, social, and economic issues in the history of the United States from the age of European discovery to reconstruction of the nation after the Civil War. (Each fall and spring)

**HIST 163 History of the United States from 1876 to the Present**

A chronological survey of the significant political, social, and economic issues in the history of the United States from the era of reconstruction to the present. (Each fall and spring)

**HIST 221 Red, White, and Black: Race and Culture in Colonial Latin America**

A topical approach to social and cultural history, emphasizing the impact of race and culture on colonial life and institutions. (Every other year)

**HIST 225 Latin America in the 21st Century**

The developing and underdeveloped countries of Latin America face many common problems and challenges as they enter the 21st century. This course will utilize lecture, film, and discussion to explore a series of these issues. Topics addressed will include debt and development, race and identity, women and feminism, liberation theology and religion, security and sovereignty issues, and the problems of urbanization in the hemisphere. (Every other year)

**HIST 230 Women in Europe**

A topical introduction to the history of women in Europe from the later Middle Ages to the beginnings of the Industrial Revolution. Emphasis on the individual and social experience of women and their representation in artistic, literary, political, and scientific discourse. (Every other year)

**HIST 250 Intermediate Topics in History**

A study of selected topics for beginning students, offered on an occasional basis. May be repeated when topic varies.

**HIST 260 Intermediate Directed Study (Variable course credit)**

**HIST 261 Women in America**

A chronological and topical introduction to the experiences of women in the United States, from the founding of British colonies in North America to the 1990s. Stress is on economic and social change as it affects the roles of women in America. (Every other year)

**HIST 280 Research Practicum in State and Local History (1/2 course credit unit)**

Contracted individual research project on a topic dealing with Texas and/or Grayson County history. Involves research in primary documents under the supervision of the instructor. The student will write a paper for presentation to a state or local historical society. Prerequisite: permission of instructor.

**HIST 282 The Quest for Civil Rights, 1945 to Present**

A detailed study of the history of the Civil Rights Movement for African-Americans and other ethnic minorities in America with focus on school desegregation, student and community protest, white backlash, court decisions, government action and inaction, divisions between moderates and radicals, and the causes of disintegration of the various movements, with some attention to busing and affirmative action. (Every other year)

**HIST 284 The History of Texas**

A critical examination of the history of Texas from the era of European discovery to the present. Includes analysis of the state's ethnohistory, economic growth, political development, and society, with emphasis on

relating Texas to the history of the United States. Also examines the impact of Texas on the international arena. (Every other year)

### **HIST 320 Mexico and Central America**

A critical appraisal of Mesoamerican and Cuban history, beginning with pre-conquest civilization and emphasizing political and social developments in the 19th and 20th centuries. Prerequisite: History 123 or permission of instructor. (Every other year)

### **HIST 322 Andean Nations**

A critical examination of the political, economic, and social evolution of the nations of the Andes from discovery to the 1990s. Special consideration of 20th-century problems. Prerequisite: History 123 or permission of instructor. (Every other year)

### **HIST 327 Latin American Social Revolutions**

A critical analysis of the major social upheavals of modern Latin America, investigating causes and results with special attention to the relative importance of socio-economic conditions, ideologies, and personalities on revolutionary uprisings. Prerequisite: History 123 or permission of instructor. (Every other year)

### **HIST 329 The Spanish Borderlands**

A critical analysis of the Spanish experience in those geographical areas of colonial New Spain that are now part of the United States. Examines the Hispanic colonial history of Florida, the Gulf Coast, Texas, New Mexico, Arizona, California, and northern Mexico from the beginnings of European colonization to the 19th century. Special emphasis on the Hispanic heritage of these areas of the United States. Prerequisite: History 123 or History 162 or permission of instructor. (Every other year)

### **HIST 331 Medieval Europe**

A critical appraisal of the revival of medieval western society, from ca. 1000 A.D., in the context of a tripartite world of Latin Christendom, Islam, and Byzantium, to the mid-15th century. The tensions of involving church and state, evidences of early humanism, and technological development will be emphasized. Prerequisite: One history course or sophomore standing or permission of instructor. (Every other year)

### **HIST 332 Renaissance and Reformation**

A critical analysis of Europe from the late 13th century through the mid-17th century, with special emphasis on the creation of a middle class laity, the rise of capitalism, the emergent modern state, the visual renaissance in art forms, and the reformation in religious spirit. Prerequisite: One history course or sophomore standing or permission of instructor. (Every other year)

### **HIST 333 Enlightenment and Revolutions**

A critical examination of the political, social, and economic life in Europe from the 17th century to the middle of the 19th century. The French Revolution stands at the center of this examination. Other topics will include absolutism, the Enlightenment, Liberalism, the Industrial Revolution, and the spread of participatory politics in Europe. Prerequisite: One history course or sophomore standing or permission of instructor. (Every other year)

### **HIST 334 Europe: Industry, Identity, Empire**

A critical examination of the political, cultural, and social history of Europe from the mid-19th century to the outbreak of World War II, Nationalism, imperialism, industrialization, and the two world wars will be central topics. Prerequisite: History 143 or permission of instructor. (Every other year)

### **HIST 335 Europe Since 1939**

An in-depth study of political, social, cultural, and military developments in the contemporary phase of European history. The course deals with World War II, the Cold War, Decolonization, European Union, and

post-Communist developments, including the reemergence of nationalism. Prerequisite: History 143 or permission of instructor. (Every other year)

### **HIST 341 Germany Since Bismarck**

A critical examination of German history, which has been an important part of modern European history culturally, economically, and politically. Examines Germany from the period of its founding in the mid-19th century to the present. Topics include the internal patterns of German life as well as the role of Germany in Europe and the world. Prerequisite: History 143 or permission of instructor. (Every other year)

### **HIST 343 Russia and the Soviet Union**

A survey and critical analysis of the history of Russia and the Russian Empire from its founding, through the Soviet era to the present post-Communist state. Almost half the course will deal with the period after 1917. Prerequisite: History 143 or permission of instructor. (Every other year)

### **HIST 350 Advanced Topics in History**

A critical examination of history from selected perspectives. May be repeated when topic varies.

### **HIST 361 American Colonial History and Revolutionary War Era**

A critical examination of the colonial and revolutionary eras of the history of the United States, with special emphasis on the European discovery of America, the colonial foundations of England, the development of the British North American Colonies, and the American Revolution. Prerequisite: History 162 or permission of instructor. (Every other year)

### **HIST 363 United States: Civil War and Reconstruction**

An in-depth analysis of the causes and consequences of the Civil War and Reconstruction. A detailed examination of the military, political, social, cultural, and constitutional aspects of the struggle, including a full survey of the reconstruction of the South. Prerequisite: History 162 or permission of instructor. (Every other year)

### **HIST 364 United States: Gilded Age and Progressive Era**

A critical analysis of the Gilded Age and the Progressive Era and examination of the rise of industrial America and the expansion of the federal government's role in daily life. Consideration of such topics as immigration and urbanization, the Populist and Progressive reform movements, the experiences of women and minorities, and the impact of World War I. Prerequisite: History 163 or permission of instructor. (Every other year)

### **HIST 365 United States: New Era, New Deal**

A critical examination of the 1920s and 1930s focusing on such topics as the origins of the Great Depression and the rise of the welfare state, the transformation of the political party system, and the impact of cultural movements including the Harlem Renaissance and the arrival of the Lost Generation. Includes an examination of the origins of World War II. Prerequisite: History 163 or permission of instructor. (Every other year)

### **HIST 366 United States: 1945 to Present**

A critical examination of the modern era in America, beginning with an overview of the impact of World War II. Includes the rise and decline of the liberal consensus, the impact of the Cold War, the rise of protest movements in the 1960s and 1970s, the Vietnam War, the resurgence of political conservatism in the 1980s, and the end of the Cold War. Prerequisite: History 163 or permission of instructor. (Every other year)

### **HIST 450 Advanced Topics in History**

A critical examination of history from selected perspectives. May be repeated when topic varies.

**HIST 451 Seminar in History**

Advanced seminar dealing with a special topic in the history of the United States, Europe, Asia, or Latin America. Prerequisite: permission of instructor. May be repeated when topic varies.

**HIST 460 Advanced Directed Study (Variable course credit)****HIST 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular history course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under "On Campus Learning Opportunities")

**HIST 490 Independent Study****HIST 491 History Honors Thesis****HIST 492 Independent Study Off-Campus/NSOC****HIST 495 Historiography and Historical Methods**

A study of the discipline of history and a survey of research methodology as employed by historians. Examines the philosophy of history, provides a survey of research techniques, and affords an introduction to the standard works of historical literature. Geographical and chronological focus may vary according to the interests of the instructor. Normally limited to junior or senior level history majors. Prerequisite: permission of instructor. (Each fall)

# Humanities

## Humanities

This program involves fields of study not regularly offered at the college in the Humanities Division. These courses focus on the study of some aspect of human culture, such as art, music, film, theatre, communication, history, philosophy, religion, literature, or language.

**HUM 250 Intermediate Topics in Humanities**

Introductory courses on materials that involve fields not regularly offered at the college. May be repeated when topic varies.

**HUM 260 Intermediate Directed Study in Humanities (Variable course credit)****HUM 350 Advanced Topics in Humanities**

Advanced courses on materials which cross departmental and divisional lines or involve fields not regularly offered at the college. May be repeated when topic varies.

**HUM 460 Advanced Directed Study in Humanities (Variable course credit)****HUM 490 Independent Study in Humanities**

# Latin American & Iberian Studies

## LATIN AMERICAN AND IBERIAN STUDIES

*Terry Hoops, director*

The mission of the Latin American and Iberian Studies program is to provide students a liberally informed, comprehensive and interdisciplinary approach to examining the cultural region made up of the societies of Latin America, the Caribbean, and the Iberian Peninsula.

### **A major in Latin American and Iberian studies**

shall consist of nine course credit units of Latin American or Iberian content, with work completed in at least three disciplines (e.g., Spanish, history, anthropology, political science, or economics) including a minimum of three and a maximum of five courses in one discipline. One of the nine course credit units will be a directed study (Latin American and Iberian Studies 460), which must involve the approaches of several disciplines to an appropriate topic as an advanced, summative project. The major will demonstrate proficiency at the 236 level in Spanish or Portuguese.

**A minor in Latin American and Iberian studies** consists of a minimum of five approved course credit units with significant Latin American or Iberian content, with work completed in at least two disciplines, and two courses numbered 300 or above. Language competency in Spanish or Portuguese through the 202 level, or its equivalent, also is required.

Latin American and Iberian Studies courses are offered in History (123, 221, 225, 320, 322, 327 and 329), Anthropology (123, 263, and 265), and Spanish (255, 355, 356, and 481). Approved topics courses in these disciplines (250, 350 and 450) focusing on a Latin American or Iberian topic or issue may also count as part of the major. Additional courses that may count as part of the major, provided the student pursues a specific research focus related to Latin America or the Iberian Peninsula, include Economics 234, and Political Science 140, 432, and 440.

Students majoring in Latin American and Iberian studies are strongly urged to plan to spend an intensive January term, summer term, semester, or year abroad in Latin America, the Caribbean, Spain, or Portugal. Students have many options for studying abroad in the region, including participating in regularly offered programs in one of the countries of the region (listed on the LAIS or Study Abroad Web pages), or they may choose to do an Independent Study Off-Campus (NSOC) with a focus on Latin America, Spain, or Portugal.

Disciplinary courses approved for Latin American and Iberian Studies are listed collectively in the course schedule each term.

### **LAIS 250 Topics in Latin American and Iberian Studies**

### **LAIS 260 Intermediate Directed Study (Variable credit course)**

### **LAIS 450 Advanced Topics in Latin American and Iberian Studies**

### **LAIS 460 Directed Study (Variable course credit)**

### **LAIS 490 Independent Study**

### **LAIS 492 Independent Study Off-Campus/NSOC**

# Leadership Studies

## LEADERSHIP STUDIES

*Peter A. DeLisle, director*

The mission of the leadership studies program is to provide students with the opportunity to develop the awareness, ability, and commitment to become persons of influence through the study of leadership. This is done by extending their knowledge and understanding of leadership theories, models, practices, and active study of leader effectiveness in organizations, schools of thought, and professional endeavors. The program is interdisciplinary and draws on knowledge from other subjects related to human behavior, society, and ethics.

**A minor in leadership studies** consists of a minimum of six approved course credit units including Leadership Studies 120, 240, and 495. Students must select at least 1.5 credit units from Leadership Studies 250, 260, 350, 464, 480, 490, and 492. Students also must select one course in ethics from Philosophy 205, 207, 209, and 213, and one course in communication from Speech 112 and 222. To complement the minor, students must complete one course from the following list: History 366; Business Administration 352; Political Science 212, 311, 318; Anthropology 315, 365; Sociology 240, 385; Psychology 240, 340; or an approved topics course.

### **LEAD 120 Introduction to Leadership (1/2 course credit)**

This course is designed to provide an overview and understanding of the concepts of leadership as well as multiple opportunities for the assessment of leadership styles, leadership effectiveness, strengths, and areas needing development. Specific subjects include interpersonal awareness, feedback and communication, decision-making, performance development, conflict management and problem-solving, and the values and ethics of leadership. (Each fall and spring).

### **LEAD 240 Studies in Leadership (1/2 course credit)**

This course will focus more particularly on leadership in national or international affairs. In this dialogue-based seminar, students examine different theories, archetypes, and paradigms of leadership from the perspective of multiple cultures and organizations. Prerequisite: Leadership 120 (Each fall and spring)

### **LEAD 250 Intermediate Topics in Leadership**

### **LEAD 260 Intermediate Directed Study in Leadership (Variable credit course)**

### **LEAD 350, 450 Advanced Topics in Leadership**

### **LEAD 460 Advanced Directed Study (Variable course credit)**

### **LEAD 464 Teacher/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular leadership course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors. (See Bulletin under "On Campus Learning Opportunities")

### **LEAD 480 Internship**

In this course, select students may engage in special leadership internships that enable students to observe, analyze, and practice leadership in action under the guidance of a mentor and supervisor. To earn credit for this experience, the student must present a formal written and oral report at the end of the internship experience. May be repeated for up to 2 course credit units.

## LEAD 490 Independent Study in Leadership

## LEAD 492 Independent Study Off-Campus/NSOC

## LEAD 495 Senior Conference: Advanced Studies in Leadership (1/2 course credit unit)

This course explores a range of advanced topics in leadership. Students participate in a synthesis and personal investigation of their leadership effectiveness and present a formal critical reflection of their studies and experiences to other students and faculty. Students will articulate a plan of action and describe their propensity for engagement as a leader in future endeavors. This is the capstone course for students in the Posey Leadership Institute. (Each term)

## JANUARY TERM COURSE

### LEAD 100: Leadership in Action

This experiential learning course builds upon Leadership Studies 120. Students will develop specific skills in personal effectiveness, oral communication, and situational awareness. Through participation in field experiments, students acquire the skill to conduct and facilitate group action learning activities.

# Math

## MATHEMATICS

*Michael Higgs, chair; Aaron Block, Kerry Brock, J'Lee Bumpus, Jack Mealy, Don Williams*

*Wilbur Powell (Emeritus and Adjunct)*

*Thomas F. Kimes (Emeritus)*

The mission of the Mathematics program is to provide diverse opportunities for the expansion of mathematical knowledge for majors and minors, for students in the physical and social sciences, for general students, and also for recent graduates as they pursue advanced study and jobs in industry.

**A major in mathematics** consists of a minimum of eight course credit units approved by the department, including Mathematics 251, 252, and five courses numbered 300 or above. Students planning to major in mathematics are expected to enter directly into the calculus sequence beginning with Mathematics 151 or 152. They also are encouraged to take at least one course in computer science beyond the introductory level. Students planning graduate study should be aware that some programs require proficiency in German or French.

**A minor in mathematics** consists of a minimum of five course credit units approved by the department, including Mathematics 251, 252, and two numbered 300 or above. Prerequisite courses must be passed with a grade of C or higher. Those who choose to major or minor in mathematics must take those courses under the "grade" option.

### MATH 120 Elementary Statistics

An introduction to the principles of probability, descriptive statistics, and inferential statistics: Topics in probability include axioms and theorems of probability, events, the distribution, mean, and variance of a random variable, and Binomial random variables. Topics in descriptive statistics include sampling, variables, frequency distributions and histograms, stem and leaf displays, means, medians, and modes. Topics in inferential statistics include hypothesis tests and confidence intervals for population means and proportions, Chi Square methods, ANOVA, and regression analysis. (Each fall and spring)

### **MATH 141 Discrete Mathematics**

An introduction to sets, relations, functions, graph theory, Boolean algebras, combinatorics, logic and logic circuits. This course is designed for the general student. It is required for advanced study in computer science.

### **MATH 151 Calculus I**

The first course in the Calculus sequence. Included is an introduction to the differential and integral calculus of the elementary (algebraic, trigonometric, exponential and logarithmic) functions of a single real variable, the Fundamental Theorem of Calculus, and various applications. The central role of the limit concept is stressed throughout. Prerequisite: a high school or college course in precalculus. (Each fall and spring)

### **MATH 152 Calculus II**

The second course in the Calculus sequence. Expounding on the first semester, the course includes the study of curves defined parametrically and defined via alternate coordinate systems, additional integration techniques, and further applications. The notion of infinite series is studied in detail and culminates in the theory of functions defined by power series. Prerequisite: Mathematics 151. (Each fall and spring)

### **MATH 250 Topics in Mathematics**

A course exploring advanced or specialized topics in mathematics. May be repeated with permission of instructor when topic varies. Prerequisite: Mathematics 151. (Offered on an occasional basis)

### **MATH 251 Introduction to Linear Algebra**

A course with twin goals. The first is to introduce the student to linear systems of equations and their solutions, vector spaces and subspaces, linear transformations, matrices, and eigenvalue/eigenvector theory. The second is to indoctrinate the student in basic proof techniques, as well as to expose the student to abstract thinking, thus providing a transition to upper-level work. Prerequisite: Mathematics 151 or equivalent. (Each spring)

### **MATH 252 Calculus III (Multivariate)**

The third course in the Calculus sequence. This extension of the Newton/Leibniz theory to higher dimensions involves the study of functions of more than one real variable. Both differentiation and integration are defined in this context, and the course culminates with a study of the classical theorems of Vector Calculus, generalizing the Fundamental Theorem of Calculus. Prerequisite: Mathematics 152. (Each fall)

### **MATH 260 Intermediate Directed Study (Variable course credit)**

### **MATH 290 Putnam Workshop (1/4 credit)**

A seminar course meeting once per week. In addition to providing preparation for the annual Putnam Exam, the course also aims to provide mathematical learning opportunities in a more horizontally integrated manner. Active participation and presentation are required. Permission of instructor only.

### **MATH 295 Research Practicum (Variable course credit)**

An individualized or small group research project conducted in communication with a member of the department. May be repeated when topic varies. (Offered on an occasional basis)

### **MATH 301 Ordinary Differential Equations**

A study of equations involving functions of one real variable and their derivatives. Topics typically include general first order theory, linear equations of higher order, series solutions, the Laplace transform, and numerical methods. Prerequisite: Mathematics 252. (Each spring)

### **MATH 319 Euclidean Geometry, ancient through modern**

A course primarily intended for prospective teachers of mathematics. Its goal is to provide a broad study of Euclidean geometry from the early beginnings (before Euclid), continuing through many historically important eras, and continuing into modern times. Throughout, proofs and proof techniques will play a prominent role.

Also, considerable attention will be given to constructions with the classical tools, constructions with other tools sets, and more generally to the important history of the famous construction problems of antiquity. Various drawing schemes (3-d visualization) will be included, along with the associated impact on the discovery of non-euclidean systems. Attention to Hilbert's axioms for Euclidean Geometry and subsequent work on the subject is a likely component, as is attention to higher dimensional Euclidean spaces. Recommended for prospective teachers of secondary school mathematics. Prerequisite: Mathematics 252, and permission of instructor. (Every other year: Fall 2013)

### **MATH 321 Numerical Analysis**

A study typically including a review of appropriate topics in calculus, the Mean Value Theorem, Taylor series, order of convergence of sequences, solution of nonlinear equations, interpolation and polynomial approximation, numerical differentiation and integration, numerical solution of ordinary differential equations, and error analyses. Prerequisite: Mathematics 252. (Every other year: Fall 2012)

### **MATH 381 Applied Analysis**

A study typically building on Math 301: Review of first and second order ordinary differential equations; series solutions to ordinary differential equations (including the Frobenius solutions); solution of systems of linear differential equations using eigenvalues and eigenvectors; qualitative methods for systems of non-linear differential equations including predator-prey problems; special functions (Legendre polynomials, Bessel functions); Fourier Series, Sturm-Liouville boundary value problems and expansions in orthogonal functions; the wave equation, the heat equation, and the Laplace equation with constant coefficients. Prerequisite: Mathematics 252; Mathematics 301 recommended. (Every other year: Fall 2013)

### **MATH 385 Probability Theory**

A study of applied probability theory and its use in the formulation of statistical models. Course includes probability measures, random variables, expectation, and fundamental limit theorems. Prerequisite: Mathematics 252. (Every other year: Spring 2013)

### **MATH 409 Survey of Geometry**

A course intended to provide a broad survey of many different geometries as well as of the varied methods of investigation of these systems. In particular, the more general notions of non-euclidean geometry are stressed. Topics typically include Finite geometries, advanced topics in Euclidean geometry, Spherical geometry, Hyperbolic geometry, Projective geometry; some attention to higher dimensional versions of these systems will also be included. Further, consideration will be given to various non-homogeneous systems. Also, an introduction to the topology of compact surfaces may be included. Prerequisite: Mathematics 252. (Every other year: Spring 2014)

### **MATH 419 Differential Geometry**

A course intended primarily as an introduction to the local and global geometric theory of curves and surfaces. In addition to the development of appropriate mathematical machinery needed for the study of these objects, further likely topics include: curvature and torsion of space curves, the Frenet frame for curves; fundamental existence and congruence theorem for curves; curvature of curves on surfaces; curvature issues for surfaces; first and second fundamental forms; Gaussian curvature; geodesics; the Gauss map; Gauss-Bonnet theorem; Isoperimetric Inequality. Finally, some attention will be given to higher dimensional manifolds. Prerequisite: Mathematics 252. (Every other year: Fall 2012)

### **MATH 450 Advanced Topics in Mathematics**

A course exploring special topics in mathematics. May be repeated with permission of instructor when topic varies. Recent courses have included Algebraic Topology, Game Theory, Graph Theory, Number Theory, and Mathematics of Finance. Prerequisite: Mathematics 252. (Offered on an occasional basis)

### **MATH 460 Advanced Directed Study (Variable course credit)**

### **MATH 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular math course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under “On Campus Learning Opportunities”)

### **MATH 472 Modern Algebra**

A study of the basic abstract algebraic objects (groups, rings, and fields, et cetera) and the structure-preserving maps between them. Prerequisite: Mathematics 252, or permission of instructor. (Every other year: Fall 2013)

### **MATH 473 Topology**

An introductory study typically covering the topological properties of Euclidean spaces, general topological spaces, generalized continuity, homeomorphisms, connectedness, compactness, separation properties, and metrization. An introduction to the topology of compact surfaces also may be included. Prerequisite: Mathematics 252. (Every other year: Spring 2013)

### **MATH 482 Real Analysis**

A rigorous study of the calculus of functions of one and several real variables. Emphasis is placed on the topology of euclidean spaces, the concepts of limit and convergence, and a detailed analysis of the corresponding fundamental theorems. Prerequisite: Mathematics 252. (Every other year: Spring 2014)

### **MATH 483 Complex Analysis**

An introduction to the study of the calculus of functions of a complex variable. Topics typically include basic Cauchy theory, analysis of basic holomorphic functions, zeroes and singularities, Taylor and Laurent series, and residue theory. Prerequisite: Mathematics 252. (Every other year: Fall 2012)

### **MATH 490, 491 Independent Study**

### **MATH 492 Independent Study Off-Campus/NSOC**

### **MATH 495 Senior Conference**

## **Computer Science**

### **COMPUTER SCIENCE**

*Michael Higgs, chair; Aaron Block, Kerry Brock, J'Lee Bumpus, Jack Mealy, Don Williams*

*Wilbur Powell (Emeritus and Adjunct)*

*Thomas F. Kimes (Emeritus)*

The computer science curriculum introduces students to theoretical and practical aspects of computing. The mission of the computer science program is to provide an environment in which students can prepare themselves for careers and further study in computer science, and to introduce students to concepts and skills in computer science relevant to a liberal arts education. Since computer science and computer technology are undergoing rapid change, the program must prepare students for immediate success and for continued success in the future. The curriculum addresses applications in a variety of programming languages on current platforms.

**A major in computer science** consists of a minimum of eight approved computer science course credit units, including the following core courses: Computer Science 201, 110 (if required), and 120 (if required), 211, and 221. Students must earn a grade of C or above in each of these core courses. In addition, a major includes approved computer science elective courses to reach eight or more course credits, of which two must be numbered 300 or above, and one numbered 400 or above. Mathematics 120 and 151 also are required.

Students with sufficient programming experience may not be required to enroll in Computer Science 110 or 120. Students who plan to major in computer science should contact the Mathematics/Computer Science Department as early as possible.

**A minor in computer science** consists of a minimum of five approved computer science course credit units, including the following core courses: Computer Science 201, 110 (if required), and 120 (if required), 211 and 221. Students must earn a grade of C or above in each of these core courses. A minor also must include one approved computer science elective courses numbered 300 or above.

Interdisciplinary majors and minors are also available.

### **CS 110 Introduction to Computer Science**

A study of algorithm design, implementation, analysis, and application. Introduction to object-oriented programming including design, testing, and documentation. Introduction to computer architecture, data representation, and software engineering. Introduction to the Java programming language. (Each fall and spring)

### **CS 120 Intermediate Computer Programming**

A continuation of principles of program design and testing presented in Computer Science 110; study of simple data structures (stacks, queues, lists, and trees) and their object-oriented implementations; object-oriented design patterns; graphical user interfaces; software engineering principles; unit testing and mock objects. Prerequisite: Computer Science 110 with a grade of C or better or permission of instructor. (Each fall and spring)

### **CS 201 Discrete Mathematics**

(see Mathematics 141)

### **CS 211 Core Fundamentals I**

A survey of the fundamental topics relating to the design and development of contemporary software systems. Topics include essential algorithms, computational modeling and complexity, knowledge representation and data structures, search strategies, automated reasoning, and theoretical computational models. Prerequisite: Computer Science 120 with a grade of C or better or permission of instructor. (Each spring)

### **CS 220 Architecture and Assembly Language**

A study of Von Neumann computer organization and assembly language programming; memory segmentation, paging; I/O and interrupt principles; alternative architectures; introduction to logic circuits, CPU, and memory design. Prerequisite: Computer Science 120 with a grade of C or better or permission of instructor.

### **CS 221 Core Fundamentals II**

A survey of fundamental topics regarding the design and organization of computer systems, how they are managed or controlled, and how they communicate in networks. Topics include introductions to computer organization, assembly language, operating systems, and computer networking. Prerequisite: Computer Science 120 with a grade of C or better or permission of instructor. (Each fall)

### **CS 250 Topics in Computer Science**

A study of selected topics for beginning students offered on an occasional basis. May be repeated when topic

varies. Recent offerings include: Mobile Computing in Objective-C for iPhone, Agile Software Development for Android Devices

### **CS 260 Intermediate Directed Study (Variable course credit)**

#### **CS 290 Practicum (Variable course credit)**

A series of projects intended to provide students practice with a programming language such as C++, C, Objective-C, Smalltalk, Lisp, Python and others. May be repeated when language/topic varies. Prerequisite: Computer Science 120 with a grade of C or better or permission of instructor. (Each semester).

#### **CS 321 Computer Networks**

An in depth study of computer networking including the following topics: architecture principles (protocols, topologies, layered organizations, interfaces), networking technologies (Ethernet, WiFi, FDDI, ATM), internetworking issues (addressing, routing, and sub-netting), end-to-end issues (data representation, compression, encryption), inter-process communication, network performance analysis and high-speed networking alternatives. Emphasis will be given to internetworking with TCP/IP. Prerequisite: Computer Science 221 with a grade of C or better. (Every other year – Fall 2012)

#### **CS 330 Database Systems**

A system level study of bulk storage devices and data storage schemes; database management systems survey; ER/OO modeling; SQL, logical and physical database analysis, design, and implementation; relational and object-oriented database models; client/server architectures; small projects. Prerequisite: Computer Science 211 with a grade of C or better. (Every other year – Spring 2013)

#### **CS 380 Software Engineering**

A study of the software development life cycle including the analysis, specification, design, implementation and testing of software systems; management of software development projects. Includes classical and agile approaches. Prerequisite: Computer Science 211 with a grade of C or better. (Every other year – Fall 2013)

#### **CS 410 Programming Languages**

An in-depth study of the design and implementation of high-level programming languages. Languages from a variety of programming paradigms are presented including imperative, functional, and object-oriented languages. Formal approaches to defining syntax and semantics are used to describe the underlying concepts. Essential features of modern programming languages are discussed including control structures, scope rules, data types and validation, abstraction, exception handling, event handling, interpretation, and compilation. Hands-on experience with several programming languages will serve to solidify the concepts presented in lecture. Prerequisite: Computer Science 211 with a grade of C or better. (Every other year – Fall 2012)

#### **CS 412 Data Structures and Algorithms**

A study of intermediate to advanced data structures (linear structures, nonlinear structures, balanced trees and variants, graphs, heaps, and others) and their associated algorithms, analysis, and selection criteria; introduction to algorithm techniques (divide-and-conquer, dynamic programming, greedy algorithms, and others). Prerequisite: Computer Science 211 and 201 with a grade of C or better. (Every other year – Spring 2014)

#### **CS 420 Operating Systems**

Modular and layered design of operating systems including control of concurrent processes, synchronization and communication mechanisms, interrupt handling, resource management, scheduling, protection and reliability; memory systems, organization and management (including virtual memory); I/O systems, secondary storage, and file systems; the study of operating system utilities such as assemblers, linkers, loaders, language and command processors. Prerequisite: Computer Science 221 with a grade of C or better. (Every other year – Spring 2013)

### **CS 440 Artificial Intelligence**

Topics may include knowledge representation schemes, propositional and first-order predicate logic, search strategies, planning, neural nets and topics in machine learning, natural language processing, and other applications. Prerequisite: Computer Science 211 with a grade of C or better. (Every other year – Spring 2013)

### **CS 350, 450 Advanced Topics in Computer Science**

Specialized topics for advanced study. Recent topics have included MVC Web Application Design, Object-Oriented Design Patterns, Object-oriented analysis, and design with UML. Prerequisite: permission of instructor. May be repeated when topic varies.

### **CS 451 Computer Graphics**

A study of 2D and 3D graphics and geometric modeling; transformations; clipping and windowing; scan-conversion techniques; representations of curves, surfaces and solids; wire frames, octrees, meshes; introduction to animation, color, shading, and ray tracing methods. Prerequisite: Computer Science 211 with a grade of C or better and one semester of C++ programming (Computer Science 290). Mathematics 251 recommended. (Every other year – Spring 2014)

### **CS 460 Advanced Directed Study (Variable course credit)**

#### **CS 464 Teacher/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular computer science course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under “On Campus Learning Opportunities”)

#### **CS 470 Theoretical Foundations of Computer Science**

Topics include finite state automata, push-down automata, Turing machines, formal grammars, the Chomsky hierarchy, complexity, computability, programming language translation. Prerequisite: Computer Science 211 with a grade of C or better. (Every other year – Fall 2013)

#### **CS 490, 491 Independent Study**

#### **CS 492 Independent Study Off-Campus/NSOC**

## **MUSIC**

*Wayne Crannell, chair; Daniel Dominick, Ricky Duhaime, John McGinn*

*Robert Archer, Ekaterina Chernaya-Oh, Cecilia Hamilton, Paul Onspaugh, Cathy Richardson, Sylvia Rivers, Mike Walker (Adjunct)*

*Cecil Isaac (Emeritus)*

The music program provides experiences with serious music for the general student as well as for students majoring or minoring in music. The major in music is intended to prepare students for graduate study or, with specific coursework and in conjunction with the Master of Arts in Teaching (see *Music Education Track* below), for a career in the public schools. The major in music also serves as preparation for various immediate occupations and interests in music and can be successfully combined with other majors and study abroad experiences.

## MUSIC MAJOR

**A major in music** requires a minimum of 10 course credit units including work in theory, history/literature, and applied music. The following courses are required of all music majors: Music 120, 121, 220, 221, 222, 240, 241, at least three classroom courses at the 300 level and above, at least one-half credit in applied music at the 300 level or above, Music 090, Music 091, and Music 495.

Students choose one of three “tracks” for their major:

**General Track** — In addition to the courses in music theory and history listed above, upper-level courses are chosen in consultation with the music faculty and according to the student’s interests, plans for graduate study, and vocational direction. Students in this track often will emphasize areas such as performance, musicology, music business, arts management, or conducting.

**Music Education Track** — Students intending to pursue the Master of Arts in Teaching degree through the Austin Teacher Program with an undergraduate major in music must complete the required courses in music theory and history/literature listed above. The three classroom courses at the 300 level or above must include Music 361 and at least two credits selected from the following courses, depending on the intended teaching emphasis and level:

Instrumental Methods (to one credit)

Orchestration and Arranging

Choral Literature and Techniques

Conducting

Vocal Pedagogy

Instrumental Conducting

**Theory/Composition Track** — Students intending an emphasis in theory/composition are required to pass the Music 091 on a major instrument. Upon successful completion of Music 091 and Music 271 along with the recommendation of the theory/composition faculty, students begin private composition study and present a Senior Recital in composition. Students must complete the required courses in music theory and history/literature listed above. They also choose at least two of their required upper-level courses from the following topics in music theory. Theory/Composition students must attempt the Music 090 by the end of the second year and pass it by the end of the third year.

### **Music 342 Aspects of 20th-Century Music**

### **Music 357 Topics in Music Theory**

Post-Tonal Theory

Counterpoint

Form and Analysis

Music Technology

Orchestration and Arranging

Students should consult early with the music faculty for specific recommendations and requirements regarding coursework and course scheduling.

**Acceptance into the Music Major** — Formal application for entry into the music major is contingent upon 1) the successful completion of Music 220 and 221 as well as either Music 240 or 241, 2) full passing of Music

091, normally attempted by the end of the second year, and 3) the recommendation of the music faculty after the student has had at least one jury examination in applied music. Students wishing to pursue the theory/composition track also must take Music 271 before being admitted to the major and must attempt the Piano Proficiency.

**Additional Requirements for the Music Major** — The Piano Proficiency Exam (Music 090) must be attempted by the end of the third year and completed for graduation. Theory/Composition students must attempt the Piano Proficiency by the end of the second year and pass it by the end of the third year.

**Senior Recital** — A capstone experience in the fourth year designed to synthesize aspects of theoretical, historical, and applied music into a final performance project. The minimum requirement is a “half” recital, normally 30 minutes of music, but students often opt to perform a “full” recital in consultation with the applied teacher. Theory/Composition students prepare a Senior Recital consisting largely of their own compositions and must perform on the recital as well.

**Transfer students** are admitted to the major only after taking placement examinations in theory and history and auditioning for the faculty member who teaches the major instrument involved.

## MUSIC MINOR

A **minor in music** consists of a minimum of five course credit units including Music 120 and 220, Music 240 or 241, applied music (to one credit), and at least one additional music course numbered 240 or above. Additional applied study and classroom coursework is recommended.

## APPLIED MUSIC

Individual instruction in piano, organ, voice, strings, winds, brass, and composition is provided for all music majors and minors and may be available to other qualified students when faculty are available. Instruction for beginners is not available. The various musical organizations provide additional opportunities for participation in music.

One-fourth course credit unit in applied music is earned for each 14-week period of weekly 45-minute lessons or one-half course credit unit for semi-weekly lessons (300- and 400- level only). The student is required to practice a minimum of seven hours weekly and to attend repertory classes as required by the instructor.

Applied music students are required to attend a minimum of seven approved concerts each term, and attendance is monitored through a portfolio of programs maintained in the music office.

A fee is charged for applied music. (See section on *College Costs* for details.)

**Performances and Juries** — All students taking applied music must present regular solo performances.

Declared Majors: Two public, solo performances including one on campus AND a jury examination each semester.

Declared Minors: One public, on-campus solo performance AND a jury examination each semester.

Non-Majors: One public solo performance OR a jury examination each semester. (Waived in the first semester of study.)

*The instructor may require more frequent performances and determine additional requirements for applied study.*

**Registration for Applied Music** — To register for applied music, the student must first demonstrate an ability to perform at the college level through an audition for the music faculty. Registration for applied music is as follows:

Non-majors: Music 17x

Declared Minors: Music 27x

Declared Majors: Music 37x

Declared Majors in the semester of the Senior Recital: Music 47x (for .5 cr)

Composition: 371, 471

Percussion: 173, 273, 373, 473

Brass: 174, 274, 374, 474

Organ: 175, 275, 375, 475

Piano: 176, 276, 376, 476

Strings: 177, 277, 377, 477

Voice: 178, 278, 378, 478

Woodwinds: 179, 279, 379, 479

*Austin College does not offer applied instruction in guitar or percussion.*

Applied music at the 300- or 400- level may be taken for variable credit, and courses in applied music may be repeated for additional credit.

**Ensemble Requirement** — Students taking applied music are required to participate in an assigned ensemble. Voice students fulfill this requirement by membership in either the Austin College A Cappella Choir or the Austin College Chorale for each term of enrollment. Instrumentalists fulfill this requirement through membership in any departmental instrumental ensemble including the Sherman Symphony, Jazz Ensembles, Concert Band, and Chamber Ensembles. Pianists normally participate in instrumental or vocal ensembles but may satisfy the requirement through supervised accompanying of vocalists and/or instrumentalists with the approval of the music faculty. Music majors and minors must participate in ensemble music each term.

## ENSEMBLES

Auditions for the various ensembles are generally held during the first week of the fall term in Craig Hall and are open to all qualified students, regardless of major. Any student who meets the qualifications of the specific organization may audition. All registration is for S/W only, zero credit, and is submitted by the ensemble director upon successful completion of each semester.

*The Sherman Symphony Orchestra*, sponsored jointly by the college and Sherman Symphony Board, Inc., is a volunteer and professional organization of approximately 65 members, which performs works from the standard orchestral repertoire in five subscription concerts annually. It also joins with local and college choral groups for performances of larger concerted works and invites guest soloists for concertos.

*The Austin College A Cappella Choir*, a select, auditioned group of approximately 50 singers, makes frequent concert appearances and tours annually. All types of music are included in its repertoire, but special emphasis is placed on sacred music, unaccompanied singing, and the ability to embrace the widest variety of styles.

*Austin College Jazz Ensembles* consist of a full 20-piece Big Band as well as small combos that perform both standard and

contemporary literature. Regularly scheduled appearances throughout the year include those on campus and at various area colleges and high schools, providing valuable solo and ensemble performance experience to anyone interested in this medium.

*Austin College Concert Band* is a large ensemble for all woodwind, brass, and percussion players. This organization prepares the standard concert repertoire and performs on-campus. Open by audition to all players with previous band experience.

*The Austin College Chorale* is an ensemble of women's voices, which performs several times each semester and takes occasional tours. Founded to provide a substantive choral experience for all students, regardless of past vocal experience, the chorale also provides preparatory ensemble experience while maintaining the highest standards of literature and performance.

*The Austin College Consort* is a highly select vocal ensemble of 12-14 voices that prepares and performs advanced a cappella vocal jazz literature. Membership is by invitation and competitive blending audition. Concurrent participation in the A Cappella Choir is required.

*The Quartette* is a small men's ensemble that performs SATB and TTBB arrangements of classical, college a cappella, doo-wop, and jazz. Membership is by invitation only when openings occur, and members also must be established members of the Austin College A Cappella Choir.

*Woodwind Ensembles, Brass Ensembles, and Chamber Orchestra* consist of performing groups varying in size that specialize in chamber music from the Renaissance through contemporary periods. The standard as well as lesser-known works for each medium are covered, stressing ensemble techniques and performance practices appropriate for the period under consideration. Several on-campus and off-campus recitals are given each year, including guest appearances at other colleges and universities.

*Enrollment is for zero credit and will appear on the transcript after successful participation in the ensemble.*

001a — Austin College A Cappella Choir

001b — Austin College Chorale

002 — Sherman Symphony Orchestra

003 — Concert Band

004a — AC Consort

004b — Quartette

005 — Jazz Ensemble

006 — Opera Workshop

007 — Woodwind Ensemble

008 — Brass Ensemble

009 — Chamber Orchestra

## **COURSES**

### **MUS 090 Piano Proficiency (Zero course credit)**

Graduation requirement for music majors. Majors must register for Music 090 at the beginning of the term in which they will attempt the proficiency exam. The exam must be attempted by the end of the third year (second year for Theory/Composition students).

**MUS 091 Junior-Level Examination (Zero course credit)**

Required for entry into the music major, the Junior-Level Examination is an extended jury and oral examination on the major instrument attempted at the end of the second year. The course will be added to the transcript upon successful completion.

**MUS 114 Rock 'n' Roll: History, Culture and Aesthetics**

A course designed for non-majors that explores the development of Rock 'n' Roll and similar popular genres from their origins in the 1940s to about 1975. The course examines the cultural phenomenon of Rock n Roll as well as the discussion of its aesthetics. (One music appreciation course is offered each term)

**MUS 115 The Art of Listening**

A course designed for the non-music major and assuming no previous background in music. The course will not deal with topics of music theory, history, or performance techniques, but will concentrate on developing the aural perception and appreciation of music. (One music appreciation course is offered each term)

**MUS 116 Masterpieces of Music**

An historic overview of great music for the non-major. (One music appreciation course is offered each term)

**MUS 118 20th-Century American Music**

A course for non-majors exploring the extensive repertoire of music written by selected 20th-century American composers and examining significant musical traditions, both classical and popular, within the United States in this period. (One music appreciation course is offered each term)

**MUS 119 Music Fundamentals (1/2 course credit)**

A course designed for, but not limited to, potential majors and minors with limited background in music theory and related subjects as well as for students interested in pursuing studies in music beyond the appreciation level. Students who take this course will be prepared to continue in Music Theory I. (Each fall)

**MUS 120 Music Theory I**

This course is a study of 17th, 18th, and 19th century music with particular focus on harmony and voice leading. Exercises include written assignments in two-part species counterpoint, four-part writing, short compositions, as well as keyboard harmony. Permission of instructor required. Experience playing classical music and relative fluency with bass and treble clef assumed. It is assumed that intended music majors will take Music 121 concurrently. (Each spring)

**MUS 121 Ear Training I (1/4 course credit unit)**

Laboratory courses, each 14 weeks long, designed to develop greater aural fluency in tonal music and some non-tonal idioms through rhythmic training, conducting, keyboard skills, sight singing, dictation, listening exercises, and aural skills software. To be taken concurrently with Music 120. (Each spring)

**MUS 220 Music Theory II**

A continuation of Music Theory I, broadening the diatonic harmonic language and introducing the concepts of tonicization and modulation. Topics include the cadential six-four chord, predominant sevenths, and secondary dominants and seventh chords, with a greater emphasis on the analysis of short compositions. Music 221 will be taken concurrently by music majors. (Each fall)

**MUS 221 Ear Training II (1/4 course credit unit)**

Laboratory courses, each 14 weeks long, designed to develop greater aural fluency in tonal music and some non-tonal idioms through rhythmic training, conducting, keyboard skills, sight singing, dictation, listening exercises, and aural skills software. To be taken concurrently with Music 220. (Each fall)

### **MUS 222 Music Theory III**

The final course in the music theory sequence emphasizes the chromatic harmony and voice-leading techniques used from the late 18th century through the beginning of the 20th century. Topics include mixture, Neapolitan, and augmented sixth chords, and more complex modulatory techniques, with an emphasis on the analysis of longer compositions. Prerequisite: Music 220. (Each spring)

### **MUS 240 Music History Through 1700**

The first course in the music history sequence, it is a chronological examination of the major musical developments in Europe from classical antiquity through 1700. Major emphasis will be placed upon stylistic characteristics, with other matters being treated as they relate to musical style. A major portion of the student's effort will involve listening and score study. Prerequisite: permission of instructor. (Each fall)

### **MUS 241 Music History from 1700 through 1900**

The second course in the music history sequence, this course is a chronological examination of major musical developments beginning with Bach and Handel and continuing through Richard Strauss and Debussy. This course examines music from the era that provides most of the serious music heard in concert today. Emphasis will be placed upon developing and changing musical styles as reflected in the work of representative composers. Prerequisite: permission of instructor. (Each spring)

### **MUS 250 Intermediate Topics in Music**

### **MUS 260 Intermediate Directed Study**

### **MUS 271 Composition Seminar (1/4 credit unit)**

An introduction to compositional techniques in a classroom/laboratory setting. Prerequisite: permission of instructor. (Every third term)

### **MUS 342 Aspects of 20th-Century Music**

The logical completion of the music theory and music history sequences, this team-taught course is an examination of the major historical and theoretical topics of the 20th century and is ideal preparation for students planning graduate study. Prerequisite: Music 222 and 241. (Every three to four terms)

### **MUS 350 Advanced Topics in Music**

### **MUS 355 Studies in Vocal Music / 455 Advanced Studies in Vocal Music**

A variety of courses, including those listed, in vocal music with special emphasis on the needs of the voice student. Prerequisite: permission of instructor. May be repeated with permission of the instructor when topic varies.

### **Vocal Pedagogy**

This course explores and evaluates pedagogical techniques for teachers of voice with the goal of helping students begin to develop their own teaching methodology. (Every other year as needed)

### **Diction for Singers**

This course explores the study of speech sounds and the symbols that represent them with the goal of helping singers become more proficient singers of foreign languages. (As needed)

### **Operatic Literature**

A systematic study of operatic styles and an overview of operatic literature from 1600 to the 20th century. Includes score study and viewing of opera in live performance and on video. (Every other year as needed)

## **MUS 357 Instrumental Methods (1/4 course credit each)**

Single Reed Methods

Double Reed Methods

String Methods

Brass Methods

(May be repeated with a change in instrument up to 1 credit)

## **MUS 356 Studies in Music Literature / 456 Advanced Studies in Music Literature**

A variety of courses, including those listed, focused on specific genres of music literature. Prerequisite: permission of instructor. May be repeated with permission of instructor when topic varies.

### **Symphonic Literature**

A chronological study of the development of the symphony and the standard repertoire of the orchestra. Includes score study and listening to live performances and recordings. (Every other year)

### **Vocal Literature**

An historical study of the development of the solo song from about 1580 to the present. Although not a primary focus of the course, some attention will be directed to choosing literature for specific voice types and the pedagogical issues encountered in the standard art song literature. (As needed)

## **MUS 357 Studies in Music Theory / 457 Advanced Studies in Music Theory**

A variety of courses, including those listed, focusing on advanced topics in music theory offered to complement and build upon Music Theory I, II, and III. Prerequisite: permission of instructor. May be repeated with permission of instructor when topic varies.

### **Form and Analysis**

An exploration of the broader organizational structures employed by composers from the 17th through the 20th century, focusing on the preeminent formal plans of classical music including binary, ternary, rondo, theme and variation, and sonata forms. (Every other year)

### **Orchestration and Instrumentation**

A detailed theoretical and practical approach to the techniques of preparing written orchestrations and arrangements for a wide variety of ensembles. Stylistic considerations of historical periods will be addressed, including extensive score examination. (Every other year as needed)

(Additional topics such as **Counterpoint, Music Technology, and Post-Tonal Theory** will be offered as needed.)

## **MUS 358 Studies in Music Education / 458 Advanced Studies in Music Education**

A variety of courses, including those listed, focusing on advanced topics most immediately relevant for the future music educator but also highly appropriate for students intending graduate study or ensemble directing. Prerequisite: permission of instructor. May be repeated with permission of instructor when topic varies.

### **Choral Literature and Techniques**

An introduction to the range of standard literature for high school, college, church, and community choirs. Includes methods for choosing appropriate music for a choir and techniques for rehearsing, directing, and administering choral ensembles. Prerequisite: Music 365 or permission of instructor. (As needed)

### **Instrumental Conducting**

An advanced course in conducting techniques as applicable to instrumental ensembles. Topics explored will be baton technique, score analysis and communication, literature, and rehearsal techniques, and organizational and logistical issues in administering instrumental ensembles ranging from middle school to professional. Prerequisite: Music 365. (As needed)

### **MUS 361 Music in the Elementary Schools**

This is an undergraduate course in music intended for music majors preparing for a Master of Arts in Teaching and is recommended for students intending to teach at the elementary school level. It also is relevant as an elective for education students with majors other than music. The course will include attention to techniques for the specialized music classroom at the elementary school level as well as applications for the general classroom teacher. Emphasis will be placed on a survey of basic print and multimedia resources with the goal of assembling a usable portfolio of resource materials for future classroom use. Prerequisite: permission of instructor. (Every other year)

### **MUS 365 Conducting**

This course will deal with topics related to student's first experiences in conducting, including physical gestures, baton techniques, rehearsal strategies, score study, and ensemble constituencies and arrangements. Prerequisite: Music 222 or permission of the instructor. (Every other year)

### **MUS 450 Advanced Topics in Music**

### **MUS 460 Advanced Directed Study**

### **MUS 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular music course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under "On Campus Learning Opportunities")

### **MUS 490 Independent Study in Music**

Students may use this course to pursue advanced academic interests that are of particular importance to their own musical development. Suggested topics would include those needed for preparation for graduate study or preliminary research for an honors thesis.

### **MUS 491 Music Honors Thesis**

### **MUS 492 Independent Study Off-Campus/NSOC**

### **MUS 495 Senior Recital (Zero course credit)**

Graduation requirement for music majors. Prerequisite: applied music at the 300 level and permission of applied instructor.

# Philosophy

## PHILOSOPHY

*Mark Hébert, chair; Karánn Durland, Roderick Stewart*

*Lawrence Hass*

*James H. Ware (Emeritus)*

The mission of the program is to help students develop interpretive, analytical and reflective skills in philosophy. The curriculum provides students with a wide range of topics in ethics, metaphysics, logic, and epistemology.

**A major in philosophy** consists of a minimum of nine approved course credit units in philosophy, including Philosophy 110, 220, 225, 230, 495, and two additional courses numbered 300 or above. Philosophy 105 may count toward the major if not taken after any philosophy course numbered 200 or above. Students wishing to pursue graduate work in philosophy should consider completing 11 credits in philosophy in consultation with philosophy faculty.

**A combined major in religious studies and philosophy** is available for students whose personal or professional interests include both disciplines. The major in religious studies and philosophy consists of 10 course credit units approved by both departments (usually consisting of a five/five distribution), to be chosen from offerings in both fields according to the interests of the student. The student must take two 300 level or above courses in both philosophy and religious studies (four total).

**A minor in philosophy** consists of five course credit units in philosophy with at least three courses numbered 200 or above.

**A minor in ethics** consists of five course credit units in philosophy, normally taken from the following list: 205, 207, 211, 209, 213, 302, 307, 314, and 105 (if 105 is not taken after any of the other courses in this list). Approved topics courses also may count, but students should consult the instructor to determine whether a course is appropriate before enrolling in it.

### **PHIL 105 Introduction to Philosophy**

An introduction to such basic problems in philosophy as the relationship between mind and body, freedom of the will, skepticism and the nature of knowledge, personal identity, God and the problem of evil, and the demands of morality. Includes an introduction to techniques of critical thinking and arguing. (Each fall and spring)

### **PHIL 110 Modern Logic**

A study of the formal structure of argumentation from Aristotle to the present with primary emphasis on modern symbolic logic. (Each year)

### **PHIL 203 Philosophy and Art**

An examination of various accounts of art from Plato and Aristotle to the present. Topics covered include: art and truth; the peculiar kind of being of works of art; objectivity in meaning and interpretation of art; feminist, postmodern and multicultural criticisms of traditional aesthetic theory. (Fall 2011, Spring 2013)

**PHIL 205 Ethics**

A critical analysis of ethical theory, including (but not limited to) consequentialism, egoism, relativism, religious ethics, feminist ethics, virtue ethics, and deontological ethics. (Fall 2012)

**PHIL 207 Ethics and the Environment**

An examination of ethical issues that involve the environment with an emphasis on prominent moral theories that have been used to address them, including traditional consequentialism, animal welfare approaches, biocentric theories, the Land Ethic, and deep ecology. (Every other year)

**PHIL 209 Ethics and Medicine**

An exploration of ethical issues that arise in the practice of medicine and the health sciences, including such issues as euthanasia, abortion, cloning and other forms of artificial reproduction, eugenics, and technologies for enhancing mind and body. (Fall 2012)

**PHIL 211 Feminist Thought and Its Critics**

A survey of different types of feminist theory (conservative and liberal feminists, Marxist feminists, radical feminists, psychoanalytic feminists, postmodern feminists, multicultural feminists, ecofeminists, etc) and an exploration of both internal and external critiques of these theories. (Spring 2011, Spring 2013)

**PHIL 213 Law and Morality**

An examination of the complex relationship between law and morality. Questions addressed may include what makes something a law? Is the threat of punishment the only reason to follow a law? Is an immoral law still a law? Can a lawyer lie? Can a lawyer make it appear the witness is lying, even if he knows this is not the case? How can a lawyer defend a client she knows is guilty? (Spring 2013)

**PHIL 220 Ancient and Medieval Philosophy**

An examination of Ancient Greek, Hellenistic, and Medieval philosophy, with special emphasis on Plato, Aristotle, Augustine, and Aquinas. (Each fall)

**PHIL 225 Early Modern Philosophy**

An examination of philosophical issues in the early modern period, with an emphasis on the works of Descartes, Leibniz, Locke, Spinoza, Berkeley, Hume, and/or Kant. (Each spring)

**PHIL 230 Contemporary Philosophy**

An examination of 19th and 20th-century philosophy to the present, with special attention to analytic, existentialist, pragmatist, and post-modernist positions. (Each fall)

**PHIL 250 Topics in Philosophy**

A study of a topic in philosophy that is of broad interest to undergraduates. May be repeated when topic varies.

**PHIL 260 Intermediate Directed Study (Variable course credit)****PHIL 302 Ethical Theory**

An extended, in-depth look at one or more specific topics in ethical theory, e.g. the relationship between what is good and what is right; the role of reason and emotion in ethical judgment; the possibility of moral knowledge; the nature of moral judgment, etc. Prerequisite: junior standing with at least two philosophy courses or permission of instructor. (Spring 2013)

**PHIL 306 Knowledge and Reality**

A study of issues involving knowledge, including scientific knowledge, and its relation to the world. Topics may include skepticism; justification; the nature belief; observation; explanation; the basis, development, and

validation of theories; laws; causation; realism; and distinguishing science from nonscience. Prerequisite: junior standing with at least two philosophy courses or instructor permission. (Fall 2011, Fall 2013)

### **PHIL 307 Environmental Philosophy**

An in-depth investigation of ethical theories that have been developed to address environmental concerns, and of issues involving environmental aesthetics and ontology. Theories studied typically include traditional consequentialism, animal welfarism and rights, biocentric ethics, the Land Ethic, deep ecology, social ecology, and ecofeminism. Questions about the nature of nature and the concept of wilderness are also explored.

Prerequisite: junior standing with at least one previous philosophy course and Environmental Studies 235. (Every other year)

### **PHIL 308 Metaphysics**

An examination of issues concerning the ultimate nature of reality. Topics may include identity (especially personal identity), freedom, existence, color, time, causation, and realism/anti-realism controversies.

Prerequisite: junior standing with at least two philosophy courses or instructor permission. (Fall 2012)

### **PHIL 310 Mind and Language**

An examination of the relation between linguistic notions such as meaning, reference and communication and such psychological notions as intentionality, consciousness, personhood and the explanation of behavior. Topics may include: mind-body dualism, functionalism and artificial intelligence; semantic indeterminacy and knowing Other minds; speech acts and conversational implicature; biological evolution of thought and language; dysfunctional minds and language-users; religious language. Prerequisite: junior standing with at least two philosophy courses or instructor permission. (Fall 2012)

### **PHIL 312 Philosophy of Religion**

An examination of classical problems in philosophy of religion. Topics may include the problem of evil, the existence and nature of God, the status of religious language, the relationship between faith and reason, etc.

Prerequisite: junior standing with at least two philosophy courses or instructor permission. (Fall 2011, Fall 2013)

### **PHIL 314 Social and Political Philosophy**

An examination of various theories of justice, equality, liberty, and rights from Plato and Aristotle to modern liberalism and their feminist, postmodern and multicultural critics. Special topics may include debates over church-state separation, affirmative action, reparations, disability rights, homosexual rights, language and other rights of ethnic minorities. Prerequisite: junior standing with at least two philosophy courses or instructor permission. (Spring 2011)

### **PHIL 350 Topics in Philosophy**

A study of a topic in philosophy that is of interest to students with a background in philosophy. May be repeated when topic varies. Prerequisite: junior standing with at least two philosophy courses or instructor permission.

### **PHIL 360 Directed Study**

A study of a topic in philosophy that is of interest to students with a background in philosophy. May be repeated when topic varies. Prerequisite: junior standing with at least two philosophy courses or instructor permission.

### **PHIL 450 Advanced Topics in Philosophy**

A critical examination of a major philosopher, philosophical movement, or philosophical issue. May be repeated when topic varies.

### **PHIL 460 Advanced Directed Study (Variable course credit)**

### **PHIL 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular philosophy course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under “On Campus Learning Opportunities”)

### **PHIL 490 Independent Study**

### **PHIL 491 Philosophy Honors Thesis**

### **PHIL 492 Independent Study Off-Campus/NSOC**

### **PHIL 495 Senior Seminar**

A capstone course for all majors. This seminar provides an opportunity to employ the skills and knowledge gained from previous philosophy courses to engage a particular problem, philosopher, or text in a sustained way. Topics vary. Prerequisite: senior major or instructor permission. (Each spring)

## **Physics**

### **PHYSICS**

*David Baker, chair; Peter Hyland, Donald Salisbury, Andra Troncalli*

*Larry Robinson (Emeritus)*

The mission of the Physics Department at Austin College is to provide a positive, active learning environment for undergraduate students to explore physics. The department teaches a diverse group of students, including non-science majors, physics majors, physics minors, other science majors, and pre-professional students. Through course offerings, laboratory activities, and undergraduate research, the physics curriculum presents multiple opportunities for students to develop as scientists.

Students planning to **major in physics** or pursue the pre-engineering program should enroll in Physics 111 and Mathematics 151 in the fall term of their freshman year. Ordinarily, credit may not be received for both Physics 105 and 111, or both Physics 106 and 112. A major in physics consists of Physics 111, 112, 211, 212, 311, and 312, three additional one-credit courses at the 200 level or higher including at least one course at the 300 level, and the half-credit courses Physics 261 and 361. Courses used as prerequisites for physics courses must be passed with grades of at least C.

**A minor in physics** consists of Physics 111, 112, 211, 212, and 311 and the half-credit course Physics 261.

### **PHY 101 Explorations in Physics**

Introductory courses intended for the general audience; these courses do not count as prerequisite for other courses in physics or satisfy requirements for the major in physics. These courses introduce students to the process and product of scientific inquiry, and to ways that knowledge of physics affects our lives. Title and emphasis announced in term schedule of courses. Past topics have included astronomy, weather, cosmology, and physics for teachers. These courses include a laboratory component. May be repeated when topic varies. (Usually each fall and spring)

### **PHY 105 Physics I (Algebra-Based)**

First semester of an algebra-based two-semester introductory sequence in physics. Topics treated include

mechanics, vibratory motion, and sound with emphasis on both conceptual foundations and problem-solving techniques. Includes one three-hour lab per week. Prerequisite: high school algebra or equivalent. (Each fall)

### **PHY 106 Physics II (Algebra-Based)**

Continues the study of physics begun in Physics 105. This algebra-based course continues with conceptual foundations in electricity and magnetism, optics, and modern physics. Students will learn problem-solving techniques in these areas. Physics 106 is the appropriate second course for students who plan no further study in physics. Includes one three-hour lab per week. Prerequisite: Physics 105. (Each spring)

### **PHY 111 Physics I (Calculus-Based)**

First semester of a calculus-based two-semester introductory sequence in physics using the Workshop Physics method. This approach combines inquiry-based cooperative learning with comprehensive use of computer tools. Topics include kinematics, Newton's Laws of motion, energy, and rotational motion. The laboratory component is integrated into the normal class period. Co-requisite: Mathematics 151. (Each fall)

### **PHY 112 Physics II (Calculus-Based)**

Continues the study of physics begun in Physics 111 using the Workshop Physics method. This approach combines inquiry-based cooperative learning with comprehensive use of computer tools. Topics include electricity, electronics, magnetism, and thermodynamics. The laboratory component is integrated into the normal class period. Physics 112 is required for further study in physics. Prerequisite: Physics 111. Co-requisite: Mathematics 152. (Each spring)

### **PHY 211 Vibrations, Waves, and Optics**

The course begins with a study of simple harmonic motion, and proceeds through damped, driven oscillations and resonance. The course introduces mechanical waves and wave phenomena such as standing waves, interference, and diffraction of waves. Electromagnetic waves and their properties, including reflection, refraction, and polarization, are studied, as are interference and diffraction of light waves. Includes one three-hour lab per week. Prerequisite: Physics 112 and Mathematics 152. Co-requisite: Mathematics 252. (Each fall)

### **PHY 212 Introduction to Modern Physics**

An introduction to modern physics topics, including special relativity, introductory quantum mechanics, atomic physics, solid state physics, nuclear physics, and elementary particles. Includes one three-hour lab per week. Prerequisite: Physics 211 and Mathematics 252. Co-requisite: Mathematics 301. (Each spring)

### **PHY 230 Electronics**

This course examines the physics of electronic devices, introduces circuit analysis techniques, and provides practice in the design and use of basic circuits. This course emphasizes analog electronics, but elementary digital techniques also are explored. Includes one three-hour lab per week. Prerequisite: Physics 112 and Mathematics 152. (Spring 2013)

### **PHY 240 Atmospheric and Environmental Physics**

This course offers a project-oriented approach to the study of atmospheric structure, atmospheric dynamics, thermodynamics, radiation, atmospheric instrumentation and observations, energy, climate, and severe weather. It serves as an approved science course for the environmental studies major. Prerequisite: Physics 112 and Mathematics 152. (Spring 2014)

### **PHY 250 Intermediate Topics in Physics**

### **PHY 260 Intermediate Directed Study (Variable course credit)**

### **PHY 261 Research Experience (1/2 course credit unit)**

This course offers students the opportunity to work in small research groups on independent research projects.

Students work closely with a faculty member in the Physics Department on topic selection, theoretical and experimental design, data analysis, and presentation of results. Topics vary on student background and faculty expertise. Prerequisite: Physics 112 and Mathematics 152. (Each fall and spring)

### **PHY 311 Classical Mechanics**

This course examines an advanced study of Newtonian mechanics, oscillations, gravitation, nonlinear dynamics and chaos, and Lagrangian and Hamiltonian mechanics. Prerequisite: Physics 212 and Mathematics 301. (Each fall)

### **PHY 312 Electromagnetism**

This course examines static electric and magnetic fields, electric and magnetic properties of matter, boundary value problems in electrostatics. Maxwell's equations, electromagnetic waves. Prerequisite: Physics 212 and Mathematics 301. (Each spring)

### **PHY 341 Computational Physics**

This course introduces mathematical and computational techniques commonly used in physics. Modern computational techniques are employed to investigate physics ideas that cannot be solved analytically. Fortran programming in a Unix environment and visualization of scientific data are important components of this course. Prerequisite: Physics 212 and Mathematics 301. (Fall 2012)

### **PHY 350, 450 Advanced Topics in Physics**

#### **PHY 351 Advanced Laboratory**

This course focuses on advanced methods and techniques used in several areas of physics. Experiments may include optics, lasers, superconductivity, solid-state physics, computer acquisition and analysis of experimental data, and astronomical observations. Includes one three-hour lab per week. (Fall 2013)

#### **PHY 361 Advanced Research Experience (1/2 course credit unit)**

This advanced course offers students the opportunity to work in small research groups on independent research projects. Students work closely with a faculty member in the Physics Department on topic selection, theoretical and experimental design, data analysis, and presentation of results. Topics vary on student background and faculty expertise. Prerequisite: Physics 261, Physics 212, and Mathematics 301. (Each fall and spring)

#### **PHY 431 Quantum Mechanics**

A comprehensive course that includes Schrodinger's equation in three dimensions (free particle, harmonic oscillator, central force), correspondence limit, wave packets, spin, interaction of electromagnetic waves with atoms. Prerequisite: Physics 311 and Mathematics 301. (Each fall)

#### **PHY 460 Advanced Directed Study (Variable course credit)**

#### **PHY 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular physics course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under "On Campus Learning Opportunities")

#### **PHY 490, 491 Independent Study**

This course is designed to meet individual needs, interests, and abilities of students, including students participating in the Honors Program. Prerequisite: approval of Physics Department.

#### **PHY 492 Independent Study Off-Campus/NSOC**

# Political Science

## POLITICAL SCIENCE

*Don Rodgers, chair; Philip Barker, Nathan Bigelow, Frank Rohmer*

*Kenneth W. Street, Shelton Williams (Emeriti)*

The political science program provides students with an understanding of the great issues of politics in a rapidly changing international environment. Employing historical, comparative, philosophical, legal, and experiential approaches to the study of politics, the department places heavy emphasis on student mastery of factual information, critical thinking skills, and effective writing and speaking skills.

**A major in political science** consists of at least eight course credit units in political science, including Political Science 495, and at least one course from each of the following groups:

- American politics — Political Science 110, 212, 310, 311, 313, 315, 317, 318, 410;
- International relations and comparative politics — Political Science 130, 140, 230, 235, 240, 241, 242, 330, 332, 335, 340, 345, 430, 432, 440;
- Political theory — Political Science 120, 220, 420, 425, 428.

At least three courses must be numbered 300 or above.

**A major in international relations** allows students to specialize within the subfield of international relations while still completing a major that is firmly grounded within the broader discipline of political science. The major consists of at least eight course credit units in political science, including Political Science 430 and Political Science 495, at least four electives in the subfields of international relations and/or comparative politics (at least two of the four must be numbered 300 or above), at least one course each from the American politics and political theory subfields, and study in a modern language through the 236 level.

**A minor in political science** consists of at least five course credit units in political science, including at least one course from each of the above subfields. A minimum of two courses must be at the 300-level or above.

### **PSCI 110 American Government and Politics**

An introduction to the institutions and political processes of American government, including an overview of the cultural and ideological background of the American system of government, its constitutional foundations, the various actors at all levels of the political system, individual rights and liberties, and the policy-making process. (Each spring)

### **PSCI 120 American Political Thought**

An introduction to the political theory of the American republic and the Texas Constitution through a study of primary texts, including the Declaration of Independence, Articles of Confederation, the Constitution, the Federalist Papers, and Anti-Federalist writings, as well as the writings and speeches of Jefferson, Marshall, Calhoun, Lincoln, Frederick Douglass, and Martin Luther King, Jr. Special attention is given to the connection between politics and government, the origin and purpose of civil government, the forms of government, the spirit of democratic regimes, federalism, the geographical, governmental, and sociological configuration of the American democratic republic, and the American dilemma of racial inequality. (Each fall)

### **PSCI 130 Contemporary International Politics**

An introduction to the post-Cold War international political system with emphasis on the institutions, issues,

and geopolitical forces that affect the interactions of the state and non-state actors in the contemporary global community. (Every other fall)

### **PSCI 140 Introduction to Comparative Politics**

An introduction to the theories, methods, and approaches of the field of comparative politics providing a foundation for understanding and analyzing contemporary political systems. Why do we compare, what do we compare, and how do we compare when analyzing political systems? Why do some societies have democratic political systems and others authoritarian ones? What contributes to political stability and instability? (Once each year)

### **PSCI 212 Political Psychology**

An introduction to the interdisciplinary field of political psychology, which spans the fields of political science, psychology, sociology, and history. Topics include the application of contemporary psychological theories and methods to the study of political behavior, the introduction to the theory and extensive discussion of real world applications and current events, both classical debates and current trends of research, and a discussion of individual and group decision-making, personality and political leadership, voting behavior, socialization, ethnic conflict, and terrorism. (Every other year)

### **PSCI 220 The Constitution and Civil Liberties**

Through careful examination and discussion of leading U. S. Supreme Court cases, this course will examine freedom of speech, freedom of the press, freedom of assembly, freedom of religion, the rights of privacy, racial and gender equality, voting rights, and due process of law. From the Court's contending majority and minority opinions, the course will seek to extract the fundamental philosophic differences about the rule of law, the extent of human freedom, the dignity of the human person, and the need for a virtuous citizenry in a modern republic devoted to liberty and equality. (Every other spring)

### **PSCI 230/330 Globalization**

This course provides an overview of the force we call globalization. Readings, lectures, and class discussions address different definitions and evaluations of globalization as well as the economic, political, social, cultural, and environmental impact of global integration. Other topics covered include the structure, goals, and accountability of international organizations such as the United Nations, the World Trade Organization, the International Monetary Fund, and the World Bank, as well the role of non-governmental actors in promoting or opposing globalization and in working to ensure the protection of social and environmental goals. Students taking the course at the 330 level are required to complete an extra research paper. (Each spring)

### **PSCI 235 Model United Nations**

This course involves an examination of the United Nations and includes participation in a regional or national Model United Nations conference. Through both classroom and experiential learning, students will be introduced to international organization theory and will conduct a detailed investigation of the structure and role of the United Nations, the country they will represent, and the issues relevant to the committee on which they will serve in the conference. The course also will include an examination of international diplomacy and negotiation, decision-making, and conflict resolution theory as they relate to participation in the conference. May not be repeated for course credit. (Each fall and spring)

### **PSCI 240 Introduction to Asian Politics**

An introduction to the development and current structures of the political systems in Asia. Topics include the influence of philosophical and religious traditions on the development of modern structures, the interaction between economic development and political change, and the conflict between tradition and modernity. (Offered on an occasional basis)

### **PSCI 241 Chinese Politics**

This course serves as an introduction to the development and current structure of the Chinese political system.

While we discuss the current system in great detail, we also trace the modern history of China to understand the forces that contributed to emergence of China's unique political institutions and behavior. Topics covered include the transition from the Nationalist government to the People's Republic of China, the development and implications of Mao's political philosophy, the post-1978 economic reforms, and Chinese nationalism and irredentism. Finally, we analyze the most pressing problems confronting the Chinese government and society and prospects for their resolution. (Every other year)

### **PSCI 242 Comparative Asian Democracy**

For many years scholars believed that something broadly defined as "Asian culture" precluded the possibility of democratic development in the countries of the region. Yet by the late 20th century, Japan, South Korea, and Taiwan were listed among the democratic nations of the world. In this course we will compare and contrast democratic development and democratic structures in these three countries. While these three countries share some similar traditions and belief systems and although they are often casually categorized together as "East Asian Democracies" it is important to note the differences between them. Each country followed a very different path to economic development and democratization and each has a unique political history and a unique political system. We will discuss the influence of domestic and international forces on the countries' political development and will conclude the course with a discussion of the barriers to further democratic consolidation and governmental efficiency in each case. (Offered on an occasional basis)

### **PSCI 250 Intermediate Topics in Political Science**

A study of selected topics drawn from any of the subfields of political science and designed primarily for students beginning the study of political science. May be repeated when topic varies.

### **PSCI 260 Intermediate Directed Study (Variable course credit)**

Supervised research study in political science using one or more research techniques on an issue from any of the subfields of political science. May be repeated for a total of one course credit unit.

### **PSCI 310 Congress**

An examination of the legislative branch and its role in policymaking within American government. Topics include the institutional structure of Congress, the committee system, roles of the party and leadership systems, congressional elections and incumbency, and the congressional/presidential relationship in the area of policy-making. Prerequisite: any 100 level political science course or permission of instructor. (Offered on an occasional basis)

### **PSCI 311 The Presidency**

An examination of the role of executive leadership within the American political system. Topics include the foundations of presidential power, the presidential selection process, presidential leadership, the influences of public opinion and the mass media on the presidency, presidential relations within a separated system, and presidential policymaking. Prerequisite: any 100 level political science course or permission of instructor. (Each fall)

### **PSCI 313 State and Local Government**

The study of state and local government involves using the 50 state and nearly 90,000 local governments in the United States as "laboratories of democracy." Across state and local governmental units we are able observe variation in institutional design as well as human behavior that does not exist when studying only national level politics. Understanding this variation enlightens our understanding of politics. A sampling of questions explored in this class includes: Why did the framers choose a federal structure and how important is it that we are "close" to our government? What explains why some legislatures are professional and others amateurish? Why are some governors central to the lawmaking process and others not? What governing innovations are being experimented with at the local level? What explains the variation in policy we see across the states and localities? (Every other year)

### **PSCI 315 Campaigns and Elections**

An examination of the electoral process, including the role of political parties and interest groups, within the American political system. Topics include voting and suffrage, the history and effectiveness of political parties, the impact of interest groups and political action committees on elections, campaign finance reform, the role of public opinion and the mass media during campaigns, and possible election reforms. Prerequisite: any 100 level political science course or permission of instructor. (Offered on an occasional basis)

### **PSCI 317 Public Policy**

This course involves a broad examination of public policy in the United States focusing on three primary areas of inquiry. First, we analyze the big theoretical controversies in the field. For example, is public policy an elite creation dictated from the top-down or do policies develop at the grassroots level and work their way up? This involves a careful study of original source material. Next, using the policy process as a framework, we analyze the development of public policy. Finally, we delve into a careful examination of a specific policy area. This topic changes each time the class is taught. Past policy areas include welfare policy and affirmative action. (Every other year)

### **PSCI 318 Public Administration**

An historical study of public administration within the context of American constitutionalism and the dynamics of popular government in America. Special attention is given to the problem of reconciling the growth of the administrative state under pressures from modern industrial society and the concurrent democratic demand for government by the people. Prerequisite: any 100 level political science, history, or economics course, or permission of instructor. (Every other fall)

### **PSCI 332 International Human Rights**

A survey of different philosophical and cultural views of international human rights and an analysis of specific cases to better understand the complex issues surrounding the human rights debate. Questions addressed include: What are human rights? How are human rights defined and who defines them? Do all people share the same definitions and norms? Are rights universal or relative to different cultures? The course includes a discussion of the development of international human rights laws and enforcement efforts, human rights as a component of nation-state foreign policy, and the influence of grassroots activism on international human rights practices. (Every other year)

### **PSCI 335 Model United Nations**

This course will involve a more advanced discussion of the topics covered in Political Science 235. To be eligible to take this upper-level course in Model United Nations, a student must have taken Political Science 235 and must fulfill a substantially different role in the course, including representing a different country and serving on a different committee for the conference. Requires instructor permission. May not be repeated for course credit. (Each fall and spring)

### **PSCI 340 Religion and Politics**

A social scientific examination of the role of religion in politics both domestically and internationally. The course will address issues as varied as the role of religion in the modern democratic process (both in the US and abroad), the role of religion in international conflict, the development of religiously-based terrorist organizations, the nature and effects of church-state relationships, and the link between religion and human rights. (Offered on an occasional basis)

### **PSCI 345 African Politics**

An examination of the political interactions of state institutions, state leaders, social groups, international actors, and others on the African continent. Topics include the impact of colonialism on African political structures, the role of ethnicity and nationalism, economic development, political legitimacy, state-building, and democratization. The major issues in African politics will be examined thematically and through in-depth case-studies of selected countries. (Every other year)

### **PSCI 410 U.S. Constitutional Law**

This course will principally address the place of the national judiciary, especially the Supreme Court, in the U. S. constitutional system through a careful analysis of the great cases that have shaped the development of constitutional law. The course gives special consideration to the literal text of the constitution, to the political and legal theories behind the constitution, and to the historical context in which the great cases have arisen. Prerequisite: any 100 level political science course or permission of instructor. (Each fall)

### **PSCI 420 Political Theory**

A detailed analysis of Plato's Republic, Thomas Aquinas' Treatise on Law, Machiavelli's Prince, and a selected work of Nietzsche, with emphasis on the place of statesmanship, law, religion, education, economics, and the family in political life. Special attention is given to the tension between philosophy and political life. Prerequisite: any 100 level political science course or permission of instructor. (Every other fall)

### **PSCI 425 Political Philosophy and Religion**

A study of the relationship between religion and politics and religion and political philosophy as seen by great Islamic, Jewish, and Christian writer from late antiquity through the Middle Ages, including St. Augustine, Al-Farabi, Averroes, Maimonides, Thomas Aquinas, Dante and Marsilius of Padua. Prerequisite: any 100 level political science course or permission of instructor. (Offered on an occasional basis)

### **PSCI 428 The Origins of Modern Liberalism**

Through the study of Thomas Hobbes' Leviathan, Benedict Spinoza's Theologico-Political Treatise, John Locke's Second Treatise, and Rousseau's Second Discourse and Social Contract, this course will examine the philosophic sources of modern views of human nature, natural rights, social contract, and secular rule inspiring the American and French revolutions and underpinning the modern western liberal democracies, in particular the United States. As part of this concentration on the origins of modern liberalism, the course will give careful attention to the conscious project of these early modern writers to replace classical and religious views of human nature and political life with notions the modern writers considered more conducive to human life, liberty, and the pursuit of happiness. (Every other spring)

### **PSCI 430 International Relations Theory**

A study of the evolution of international relations theory in the 21st century with emphasis on different theoretical approaches to understanding the role of the state in international relations, the causes of conflict, and approaches to peace. Prerequisite: any 100 level political science course or permission of instructor. (Each fall)

### **PSCI 432 U.S. Foreign Policy**

A study of the conduct of American foreign policy with emphasis on the governmental processes by which policy is devised, the constitutional conflict inherent therein, and the development of that conflict during the course of American diplomacy since the end of World War II. Prerequisite: any 100 level political science course, or International Relations 230, or permission of instructor. (Every other fall)

### **PSCI 440 Comparative Political Development**

This course provides an advanced investigation into the process of political development. We discuss the major political, social, and economic theories that explain the process of political development. Attention is given to the interaction between politics and economics and the construction of national and nation-state identity that contributes to specific political outcomes in different systems. Prerequisite: any 100 level political science course or permission of instructor. (Every other year)

### **PSCI 350, 450 Advanced Topics in Political Science**

A study of selected topics in political science drawn from any of the subfields of political science and offered on an occasional basis. Prerequisites vary. May be repeated when subject varies.

### **PSCI 460 Advanced Directed Study (Variable course credit)**

### **PSCI 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular political science course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under “On Campus Learning Opportunities”)

### **PSCI 480 Internship**

### **PSCI 490 Independent Study**

### **PSCI 491 Political Science Honors Thesis**

### **PSCI 492 Independent Study Off-Campus/NSOC**

### **PSCI 495 Senior Conference**

A capstone seminar for all department majors, with a separate section offered for political science and international relations majors. Emphasis is placed on understanding the central concepts of the various subfields of the discipline and the connections between these subfields (with more emphasis placed on international/global issues in the political science/international relations section of the course). Attention also is given to the relation between political science and liberal education and to the applications of political science in career planning and development. (Each spring)

## **Psychology**

### **PSYCHOLOGY**

*Lisa M. Brown, chair; Renee Countryman, Hank Gorman, Peter Marks, Jill Schurr, Howard Starr*

*Rose Rothmeier (Dean of Student Services and Counseling)*

*Michele Helfrich (Adjunct)*

*Manijeh Badiie (Visiting)*

*Gerald Middents, Karen Nelson, Paul Thomas (Emeriti)*

The psychology department offers students exposure to the subject matter, methodologies, and professional practice of psychology. As a subject matter, psychology is the study of the brain, behavior, and human experience. Students explore the methodologies of psychology in the required courses for the minor and the major, with specialized courses, internships, and practica encouraging students to use experimental, correlational, and observational approaches in research and practice.

Both research and practice raise ethical questions embedded in most of the courses offered and in individualized study through internships, honors thesis, and directed studies. Psychology graduates pursue studies in psychology, medicine, related health sciences, law, administration, education, divinity, business, and social work. The multidisciplinary inquiry necessary for investigating many topics in psychology attracts students with interests the sciences, humanities, and other social sciences.

Students are required to complete Psychology 101, Psychology 120 (or equivalent), and Psychology 201 with a C or better to continue in the major or minor. Students are required to complete Psychology 201 before being accepted into the major or minor. Students who are taking Psychology 201 during the spring semester of their

second year will be provisionally accepted into the major or minor. We recommend that students take statistics and methods in consecutive semesters. Courses for the major or minor may not be taken S/D/U.

Generally, Psychology 101 is a prerequisite for all other courses in psychology unless the course description states otherwise.

The choice of electives for the major and minor should take into account both the qualifications and objectives of the individual student and the depth and breadth of psychological knowledge generally considered desirable for an undergraduate with an in-depth study of psychology. Generally, graduate programs expect completion of Psychology 215, 240, and 320. Psychology 420 is strongly recommended as preparation for graduate study in psychology.

**A major in psychology** consists of nine to 11 course credit units including Psychology 101, 120 (Mathematics 120 or Social Sciences 120 may be substituted), 201, at least one course from Group A, at least one course from Group B, and at least one course from Group C, at least one advanced seminar, one 300-level psychology lab course and a second 300 level psychology course (or Biology 326 or 348) as identified in the text and table below.

- **Group A:** Psychology as Natural Science courses includes Psychology 214, 215, 220, 265;
- **Group B:** Psychology as a Social Science courses include Psychology 235, 240, 296;
- **Group C:** Psychology as an Applied Science courses include Psychology 222, 245, 255, 270;
- **Psychology lab courses:** Psychology 315, 330, 355;
- **Psychology 300 courses:** Psychology 315, 320, 330, 340, 355, 360, 375, Biol 326, 348;
- **Advanced seminars:** Psychology 410, 415, 420, 490, 491, 492, and 495 or departmentally approved elective.

Psychology Core Courses	Group A Psychology As Natural Science	Group B Psychology As Social Science	Group C Psychology As Applied Science	Psychology Lab Courses	Second Advanced Course	Advanced Seminar
Take All	Take at least 1 from	Take at least 1 from	Take at least 1 from	Take at least 1 from	Take at least 1 from	Take at least 1 from
Psy 101 Psy 120* Psy 201	Psy 214 Psy 215 Psy 220 Psy 265	Psy 235 Psy 240 Psy 296	Psy 222 Psy 245 Psy 255 Psy 270	Psy 315 &lab Psy 330&lab Psy 355&lab	Any Psy 300 Level course Biology 326 Biology 348	Psy 410 Psy 415 Psy 420 Psy 490 Psy 491 Psy 492 Psy 495

**A minor in psychology** consists of a minimum of five course credit units, including Psychology 101, 201, plus two approved psychology electives numbered 200 or above and one psychology elective numbered 300 or above. Psychology 120 (or Social Science 120 or Mathematics 120) is a prerequisite for some of the required courses in the minor.

## EDUCATIONAL PSYCHOLOGY

Educational psychology links the disciplines of psychology and education with attention to the complex contextual forces that shape individual lives and the institutions within which individuals are shaped by their cultures.

A **minor in educational psychology** normally consists of six course credits including three courses in psychology and two courses in education, with a sixth approved course. The required courses include:

Psy 101	General Psychology
Psy 201	Research Methods
Psy 296	Life Span Psychology
Ed 351	Teacher/Learner Interaction
Ed 475	The Learner, the Teacher, and the Curriculum
-	One approved course

The director must pre-approve the sixth course that is intended to be a special bridging course that assists the student in linking knowledge gained from the required courses with a specific interest. Given that a course in Life Span Psychology is required for teacher certification, it is required for the Educational Psychology minor; PSY 330 Educational Psychology may be taken for the approved sixth course. Courses for the educational psychology minor may not be taken S/D/U. Students may not major in psychology and minor in educational psychology. We recommend that students take statistics and methods in consecutive semesters.

### **PSY 101 General Psychology**

A general study of the field of psychology, suitable for both the student who wishes only one course in psychology and the student desiring a basic course as foundation for further study in psychology. (Each fall and spring)

### **PSY 120 Statistics for Psychologists**

An introduction to the standard statistical tools used in psychology to summarize data, describe relationships among variables, and make inferences from samples to populations with discussion of theory of probability and probability distributions, hypothesis testing, and exploration of computer packages. Examples and problems are derived from psychology research. Prerequisite for Psychology 201. May not be taken by students who have completed Social Sciences 120, Mathematics 120, or equivalent. (Each fall or spring)

### **PSY 125 Research Practicum (1/4 course credit unit)**

Supervised research study in psychology using analytical and behavioral science research techniques. Prerequisite: Psychology 101 and Psychology 201. May be repeated for a total of one course credit unit.

### **PSY 201 Research Methods in Psychology**

Study of the basic research techniques used in the scientific study of psychological processes. Extensive laboratory work includes application of inferential statistics to psychological data. Comparison of the strengths and weakness of various experimental, quasi-experimental, and qualitative research designs, with attention to ethical and theoretical issues as well as methodological ones. Involves completing a review of the literature in a

defined area of psychology culminating with a detailed research proposal. Ensures that all students can adhere to standards outlined in The Publication Manual of the American Psychological Association. Prerequisite: Psychology 101 and Psychology 120 or Social Science 120 or Mathematics 120 or equivalent. (Each fall and spring)

### **PSY 214 Psychopharmacology**

A study of how drugs are administered, how they are distributed through the body, how they affect neurons and behavior, and how they are inactivated. The course examines the how the chemical structure of drugs affects their actions on the nervous system. Included in the course is the classification of psychoactive drugs and some of the major members of the classes of drugs – stimulants, depressants, opiates, anti-psychotics, anti-depressants, tranquilizers, NSAID, and hallucinogens. The course considers how drugs are clinically used, why people use recreational drugs, and treatment of drug abuse. Prerequisite: Psychology 101. (Each fall or spring)

### **PSY 215 Biological Psychology**

An introduction to the study of the physiological, evolutionary, and developmental mechanisms of behavior and experience with an emphasis on the relationship between the brain and behavior. Topics covered include the structure and function of the neuron, basic neuroanatomy, wakefulness and sleep, learning and memory, psychological disorders, emotional behavior, and reproductive behavior in humans and animals. Prerequisite: Psychology 101. (Each fall and spring).

### **PSY 220 Introduction to Cognitive Psychology**

An examination of some of the problems studied by psychologists in the fields of information-processing, perception, and cognition together with representative theories and methods proposed for their solution. Includes lab work with Logo programming and robotics. This course is cross-listed as Cognitive Science 120. Prerequisite: Psychology 101. (Each fall or spring)

### **PSY 222 Environmental Psychology**

An examination of such topics as: effects of temperature on human behavior, psychological constraints of architecture, efforts to induce people to produce less trash, effects of office lighting on work productivity and satisfaction, and international policies over land. Environmental psychology looks at both ways in which physical environments affect human thoughts, moods, and behaviors, and ways in which human behavior may impact the physical environment, particularly as it relates to ecological issues. Prerequisite: Psychology 101 recommended. (Every other year)

### **PSY 225 Research Practicum (1/4 course credit unit)**

Supervised research study in psychology using analytical and behavioral science research techniques. Prerequisite: Psychology 101 and Psychology 201. May be repeated for a total of one course credit unit.

### **PSY 235 Psychology of Gender**

Surveys the field of gender psychology, considering the views of experts in the field. Course explores gender differences and possible etiology of these differences; gender identity development and sexual orientation; communication styles; gender and violence; and gender issues in physical and mental health. Prerequisite: Psychology 101. (Every other year)

### **PSY 240 Social Psychology**

An examination of scientific theory and research concerning how the thoughts, feelings, and behaviors of individuals are affected by other individuals or by the group. The course investigates such topics as attraction, persuasion, and attitudes. Prerequisite: Psychology 101. (Each fall or spring)

### **PSY 245 Death and Dying**

Intensive study of the psychological factors related to the phenomenon of loss. Coursework emphasizes the relationship between loss and behavior as evidenced through physiological and psychological changes in the

organism. Topics in the course include coping techniques for working with dying patients and bereaved individuals, grief, hospice care, acute and chronic illness trajectories, and euthanasia. Prerequisite: Psychology 101 recommended. (Each fall or spring)

### **PSY 250 Topics in Psychology**

A study of selected topics offered on an occasional basis. Prerequisite: Psychology 101. May be repeated when topic varies.

### **PSY 255 Health Psychology**

This course focuses on health psychology and behavioral medicine in the areas of theory, empirical research, assessment, and clinical treatment. Specific topics may include stress and coping, psychoneuroimmunology, psychophysiological disorders, the physician-patient relationship, and prevention and health promotion. The changing health care environment and the role of the psychologist in medical settings also will be discussed. Students will have an opportunity to explore topics related to health psychology in community settings through observation, research, and intervention. Prerequisite: Psychology 101. (Each fall or spring)

### **PSY 260 Intermediate Directed Study (Variable course credit)**

### **PSY 265 Psychology of Human Sexuality**

An examination of methodologies used in the study of human sexuality, with attention to attitudes regarding sexual orientation, identity, and gender. The course investigates the anatomy and physiology of sexual behavior as well as accompanying psychological phenomena, and considers biological, psychological, and cultural schools that serve as a basis for understanding heterosexual, lesbian, gay, and bisexual orientations. Prerequisite: Psychology 101. (Each fall or spring)

### **PSY 270 Introduction to Forensic Psychology**

This course is a broad-based examination of how psychology contributes to an understanding of offender behavior in particular and the legal system in general. Topics include investigative practice, corrections, juvenile delinquency, forensic assessment, and criminality. Research-based forensic practice is emphasized and critically evaluated. Class projects foster the translation of applied research and psychology theory into specific program design. Prerequisite: Psychology 101. (Every other year alternating with 375, Psychology & Law)

### **PSY 296 Life Span Psychology (formerly 345)**

Intensive study of development of the person throughout the life span. Theory and methods for examining cognitive, social, and personal development are explored. Topics include the application of developmental psychology in understanding persons in educational, clinical, and community settings. Prerequisite: Psychology 101. (Each fall and spring)

### **PSY 315 Advanced Biological Psychology**

An in depth study of selected fields within biological psychology including experience dependent plasticity, synaptic plasticity, learning and memory, addiction, emotions, and aging. Neuroanatomy and the neural mechanism of behavior in animals are investigated through laboratory demonstrations and student-conducted experiments. Prerequisites: Psychology 101, Psychology 201 and Psychology 215 or Instructor Permission. (Each fall)

### **PSY 320 Psychopathology**

Psychopathology is the scientific study of mental illness through understanding the development of abnormal thoughts and behaviors. We begin by addressing the questions: What is normal? and Who gets to make that decision? The definition of abnormality has changed over time and varies across individuals both within and across cultures. We will then explore the multiple factors that can impact a person's ability to adapt to and engage in major life functions. Finally, we will discuss ways to assess, diagnose, and treat abnormal thoughts

and behaviors as well as ways in which societies treat individuals considered to be abnormal. Prerequisite: Psychology 101 and Psychology 201. (Each fall or spring)

**PSY 325 Research Practicum (1/4 course credit unit)**

Supervised research study in psychology using analytical and behavioral science research techniques.

Prerequisite: Psychology 101 and Psychology 201. May be repeated for a total of one course credit unit.

**PSY 330 Educational Psychology**

The scientific study of the application of psychological theory and research to education. Exploration of ways in which the classical psychological theories can be applied to teaching and understanding ways in which humans learn in educational settings. In addition we will learn about effective intervention approaches and understanding ways in which organizational structures can affect the delivery of educational services. Since this is an applied field, students are required to participate in school-based lab activities (primarily consisting of a series of structured observations conducted at local K-12 schools). Students need to have a 1½ hour block of time available once a week during school hours. Times will be individually arranged with the instructor and school-based classroom teacher. Prerequisite: Psychology 101 and Psychology 201 or Education 225. (Each fall)

**PSY 340 Cultural Psychology**

The psychology canon suggests that we understand such processes as language development, moral reasoning, causal attributions, and intelligence. However, how much of what we know really is universal and how much is relevant only to Western industrialized societies? We will begin to address these issues in this course.

Psychologists also have often studied the world as “the East versus the West” or “collectivist versus individualist cultures,” implying that collectivism and individualism are mutually exclusive and monolithic.

This class will critically address these assumptions. Prerequisite: Psychology 101 and Psychology 201. (Every other year)

**PSY 355 Conditioning and Cognitive Processes**

Investigation of fundamental principles of learning and conditioning including animal cognition, the application of conditioning to clinical and classroom settings, and the human cognitive processes of knowledge acquisition, categorization, memory, problem solving, and reasoning. Extensive laboratory exercises involve hands-on exploration of classic experiments in cognitive psychology, the application of cognition, and the observation of cognition and learning. Prerequisite: Psychology 101 and either Psychology 201 or Education 225, and at least junior standing. (Each fall or spring)

**PSY 360 Industrial/Organizational Psychology**

This course is designed to introduce students to the field of industrial/organizational psychology. The emphasis is on the psychological principles and how they apply in a work context. Topics will include legal issues in employment, selection of employees, job analysis, performance appraisal, training, leadership, motivation, and group behavior. Industrial/Organizational (I/O) psychology involves the application of psychological principles to the work context. A major emphasis of this course will be the real-world application of this body of knowledge to workplace issues and the demonstration of the value of applying I/O principles to an organization. Secondary objectives of this class are to illustrate how the principles of Industrial/Organizational Psychology can be applied to day-to-day experiences as a member of an organization and to help students develop as effective organizational members or leaders. Prerequisite: Psychology 101 and Psychology 201 or permission of the instructor (Each fall or spring)

**PSY 375 Psychology and Law (formerly 275)**

The course examines how psychology can inform the application of justice. The trial process is thoroughly explored, comparing the law’s informal theories of human behavior to what psychologists know based on theory and research. The application of psychological research and theory to various controversial courtroom issues is discussed. These issues include eyewitness identification and testimony, witness interrogations and

confessions, use of the polygraph as a lie-detector test, child witnesses in sexual abuse cases, the death penalty, and the role of psychologists in jury selection and the trial process. Prerequisite: Psychology 101 and Psychology 201 or permission of the instructor. (Every other year alternating with 270 Introduction to Forensic Psychology)

### **PSY 410 Stigma and Prejudice**

This course will cover a social psychological perspective of stigma. The study of stigma inherently involves a discussion of prejudice because stigma involves how people experience others prejudice towards themselves. Stigma is connected to the experience of oneself in particular social relationships and contexts. People's experience of themselves may involve whether they believe another is prejudiced against them because of their ethnicity, gender, religion, age, color, sexual orientation, socioeconomic status, ability status, native language, or some other status. Views of stigma and prejudice, how those views have changed over time and where the research is currently will be looked at in depth. Prerequisites: Psychology 101, Psychology 201, and Psychology 240. (Each fall or spring)

### **PSY 415 Dynamics of the Counseling Relationship**

A scholarly examination of the theory and research that define factors effecting change and problem resolution in a counseling relationship. Students will be presented different counseling models, as well as examine how issues such as culture and sexual orientation need to be recognized and worked with appropriately by ethical counselors. Students will acquire rudimentary counseling skills through counseling dyads with other class members. Prerequisite: Psychology 101, Psychology 201, Psychology 320 (or equivalent field experience), at least junior standing, and permission of instructor. (Each fall or spring)

### **PSY 420 History and Schools of Psychology**

A broad study of the historical roots of modern scientific psychology, the key contributors to psychology, recent controversial issues in psychology, and the interrelationship of psychology to other fields of study. Intended to prepare students for oral, written, and critical work common in graduate programs in psychology. Prerequisite: three courses in psychology, including Psychology 101 and Psychology 201, and at least junior standing. (Every two years)

### **PSY 425 Research Practicum (1/4 course credit unit)**

Supervised research study in psychology using analytical and behavioral science research techniques. Prerequisite: Psychology 101 and Psychology 201. May be repeated for a total of one course credit unit.

### **PSY 350, 450 Advanced Topics in Psychology**

A proseminar on contemporary issues relevant to psychology offered on an occasional basis. Open to juniors and seniors by permission of the instructor. Prerequisite: Psychology 101 and Psychology 201. May be repeated when topic varies.

### **PSY 460 Advanced Directed Study (Variable course credit)**

### **PSY 464 Teaching/Learning Participation (Variable course credit)**

An individualized study that includes sharing in the instructional process for a particular psychology course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under "On Campus Learning Opportunities")

### **PSY 490 Independent Study**

### **PSY 491 Psychology Honors Thesis**

### **PSY 492 Independent Study Off-Campus/NSOC**

# Religious Studies

## RELIGIOUS STUDIES

*Todd Penner, chair; Jeremy Posadas, Ivette Vargas-O'Bryan*

*Henry Bucher (Emeritus and Adjunct)*

*Thomas Nuckols, James Ware (Emeritus)*

The religious studies program offers an array of courses that provide broad exposure to diverse religious texts, traditions, practices, and themes throughout various world cultures/regions from the ancient to the modern periods. The program focuses on the intersection of religious meanings and specific cultural contexts that shape those meanings. The approach to the study of religion is therefore largely interdisciplinary, with any single course providing exposure to several different methods of analysis and interpretation. Using these diverse approaches, the religious studies program investigates the complex, often ambiguous processes, products and performances of religious communities and individuals over time. We also seek to understand and assess religious phenomena on their own terms, appreciating their contributions to human vitality in the past and present, and examining their significance for the future. We welcome students from all religious and theological/philosophical/ideological persuasions, and aim to foster an environment where students feel free to deepen their understanding of their own traditions while engaging alternative perspectives that provide challenges and new insights.

Alongside various other course offerings, the Religious Studies Program has three fields of concentration:

1. Asian religions and cultures
2. Bible and culture
3. Christian theology and history.

These fields correspond with the current strengths and interests of the department.

**A major in religious studies** consists of a minimum of eight course credit units with three courses numbered in the 100 or 200 range with one course from each of the following three concentrations: Asian religions and culture (110, 115, 220, or 250 when topic is appropriate); Bible and culture (135, 235, or 250 when topic is appropriate); Christian theology and history (165, 265, 270, or 250 when topic is appropriate). The major also requires three courses numbered 300 or above, one of which must be the concentration capstone course (301, 302, 303). Students can deepen their study of one of the three concentrations through their selection of the electives and the two courses numbered 300 or above.

**A minor in religious studies** consists of a minimum of five course credit units with at least two courses numbered 200 or above, one course numbered 300 or above, and representation of a least one course in two of the three departmental concentrations.

For a combined major in religious studies and philosophy, the student must complete 10 course credit units approved by both departments, to be chosen from offerings in both fields according to the personal and professional interests of the student.

**REL 110 The Life and Teachings of the Buddha**

Traces the life and times of the Buddha from the earliest extant Indian sources to scriptures across diverse Asian cultures. Drawing upon scriptural texts and visual art, as well as through the early discourses of the Buddha and secondary interpretive literature, the student seeks understanding of what the Buddha thought and taught. (Each year)

**REL 115 Hinduism**

A critical exploration of the philosophical and ritual approaches of the Hindu tradition. This course will examine historically key classical texts like the Vedas and Upanishads, the Bhagavadgita, the Ramayana, the Gitagovinda, bhakti poetry, and modern writings for transformations of belief and praxis pertaining to the role of the divine, images, gender, and the nature of reality. (Each year)

**REL 135 The Biblical Heritage**

This course offers a critical analysis of the biblical tradition with an emphasis on the way in which the historical and social worlds of ancient writers and readers helped shape the Bible we have today. The focus is on the formative stages of development of the Hebrew Bible, on the rhetorical (i.e., persuasive) qualities of its narrative, and on the analysis and critical engagement of biblical values and discourses. Also of interest is the way in which the stories related in the Bible create, shape, and maintain community identities over time. The goal is to foster in students an appreciation for critical humanistic inquiry into a sacred text, and the kinds of possible questions and issues that arise from (and only make sense within) that particular framework of engagement. (Each year)

**REL 165 Introduction to Christian Theology**

An introductory exploration of historic Christian doctrines and practices and their meanings for Christians today. Priority for freshmen and sophomores. (Each fall and spring)

**REL 170 Faith and the Imagination**

An exploration of the role of imagination in the understanding and expression of faith within “Christian” literature and the visual arts. Readings by such authors as C. S. Lewis, Flannery O’Connor, and Morris West provide a forum for investigating the full depths of human existence — physical, mental, emotional, and spiritual. Priority for freshmen and sophomores. (Each year)

**REL 220 Illness, Medicine, and Healing in Asian Religions**

An examination of the theories and practices of illness and healing in Hindu, Buddhist, Chinese, and Asian folk traditions; the interactions of Asian models with modern Western biomedical traditions; and the rapidly changing vocation of medicine. This course explores how people in Asia understand the sacred, the meaning of life, pain and suffering, human and divine agency, the role of the individual and community, the authority of healers, and how tradition and modernity affect these views. Students read primary and secondary source materials in religion, medicine, medical anthropology, and sociology; engage in panel discussions and debates; and view films. Prerequisite: One course in Asian religions or Asian studies, or instructor permission. (Every other year)

**REL 235 Images of Jesus and Early Christian Identity**

An analysis of the multi-faceted nature of early Christian images and portrayals of Jesus. Beginning in the Gospels and moving outward exploring the images of Jesus in Paul, Hebrews, and Revelation, this course serves as an introduction to the New Testament as a whole. Some time also will be spent examining other early Christian texts such as the Gospel of Thomas, the Infancy Gospel of James, and Jesus in early Christian art. Attention also will be placed on the modern discussion of the historical figure of Jesus, including Jesus in film. (Every other year)

**REL 240 Gender and Early Christianity**

An exploration of the multi-faceted images of women in early Christianity, paying attention to the way in which

culture, society, and ideology/theology inform the construction of gender identity. This course also will serve to introduce the student to the wonderfully dynamic world of early Christian literature, moving beyond the canon into second and third century Christian texts. (Every other year)

### **REL 250 Topics in Religious Studies**

Studies of particular issues in religious thought and practice. These topics are more specific than the broad introductory courses, but generally require no prerequisites. They are taught at different times, depending on student and faculty interests. May be repeated when topic varies. (Typically at least one each year) The following courses are examples:

- Paul the Apostle
- Christian Thought
- Religions of Japan
- Art and Ritual in Asian Religious Traditions
- Violence and Nonviolence in Asian Religious Traditions
- Rituals in the Hindu Tradition
- The Erotic and the Ascetic in Indian Traditions
- Tibetan Buddhism and Politics
- Buddhist Philosophy
- Religion and Art of India and Tibet

### **REL 260 Intermediate Directed Study (Variable course credit)**

An opportunity for students to investigate subjects in religion that are not covered by regularly offered courses.

### **REL 265 Christian Ethics**

A critical study of Christian faith (as theory and praxis) as it affects the ways in which Christians view and act in our complex world. Major types of ethical strategies (biblical, philosophical, historical, and contemporary) will be examined, followed by case studies on issues such as lifestyle, sex, medical ethics, and war. (Every other year)

### **REL 270 Development of Catholic and Protestant Thought**

An introduction to the historical development of Christian thought — formative people, places, issues, ideas, and events. Working with selections from primary sources, the course begins with Christianity as part of the Jewish faith and traces the changes and continuities that define Christian faith up to the present. (Every other year)

### **REL 275 Love**

A survey of major theological/philosophical/historical understandings of the nature and significance of love. The influence of major figures (Plato, Augustine, etc.), historical periods, and modern scientific research will provide critical tools for reflection upon current conceptions of love. (Every other year)

### **REL 292 Intermediate Independent Study Off-Campus (Variable course credit)**

### **REL 301, 302, 303 Method and Theory in the Study of Religion**

A history of the discipline of religious studies, focusing on the diversity of disciplines and approaches that have been used to construct the nature and meaning of religion. Students will explore the contributions of important texts/authors/insights within sociology, psychology, anthropology, philosophy, archaeology, ritual studies, gender studies, literary and textual studies, historical studies, phenomenology, hermeneutics, etc., as these fields have shaped the nature of religious studies. Special attention will be paid to how these approaches function in constructing assumptions and drawing conclusions within the study of Asian religions, biblical studies, or theological studies. Prerequisite: any two 100-level courses in religious studies or permission of instructor. (Each year)

**REL 360 Directed Study (Variable course credit)**

An opportunity for students to investigate subjects in religion that are not covered by our regularly offered courses, or to cover aspects of lower-level courses in greater depth. Generally a prerequisite of at least one previous course in religion (as specified by the instructor).

**REL 405 Indian and Tibetan Philosophies**

An in-depth exploration of Indian and Tibetan Buddhist philosophical and ritual thought that has shaped South Asian and Tibetan Buddhist history. This course explores narratives, philosophical texts, and ritual manuals and practices. Through primary and secondary source materials, the competing positions of various schools of Indian and Tibetan thought on issues of epistemology, metaphysics, and ethics are traced. Prerequisite: 110 and one other course in religious studies or permission of instructor. (Every other year)

**REL 425 Philosophy of Religion (see Philosophy 425)****REL 435 Early Christian Texts**

An examination of the rhetorical, social, cultural, theological-symbolic, and ideological contexts of diverse early Christian texts, traditions, and communities, with focus also on issues related to modern interpretation. The specific content will vary, but will always include wide exposure to fundamental issues related to methods, theories, and the history of the discipline of New Testament and Christian origins. Some special topics have been:

1. The validity of the construction of apostolic authority established by Eusebius in his Ecclesiastical History by examination of relevant second and third century sources.
2. An analysis of the letter to Philemon as an example of the complexity involved in entering the first-century world of early Christianity.
3. The exploration of Jewish and/or Greco-Roman backgrounds to early Christian culture and thought.

Prerequisite: 135 and one other course in Religious Studies or permission of instructor. (Every other year)

**REL 350, 450 Advanced Topics in Religious Studies**

A variety of courses focusing on theories and practices of textual interpretation. They are taught at different times, depending on student and faculty interests. Prerequisites vary. May be repeated when topic varies. (Typically at least one each year) The following courses are examples:

- Readings in Hindu and Buddhist Texts
- Ritual Studies in Asian Traditions
- Body and Power in Asian Religions
- The Holy Spirit
- Second Temple Judaism and the New Testament
- Feminist Theology
- Hermeneutics
- The Bible and the Formation of the Secular Modern
- So You Want to Be a Consumer?
- Spectacle and the Death of History

**REL 460 Advanced Directed Study (Variable course credit)**

An opportunity for students to investigate subjects in religion that are not covered by regularly offered courses, or to cover aspects of lower-level courses in greater depth. Prerequisite: at least two previous courses in religious studies (as specified by the instructor) or permission of instructor.

**REL 464 Teaching/Learning Participation**

An individualized study that includes sharing in the instructional process for a particular course in religious

studies under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under “On Campus Learning Opportunities”)

**REL 465 Contemporary Christian Theology**

An examination of the current state of theological reflection as it has been shaped by the influences of the Enlightenment, 19th century theology and culture, and the formative movements and figures of the 20th century. Prerequisite: either 165 or 270 and one other course in religious studies or permission of instructor. (Every other year)

**REL 490 Independent Study**

**REL 491 Religious Studies Honors Thesis**

**REL 492 Individual Study Off-Campus/NSOC**

# Science

## Science

This program involves interdisciplinary study that includes material that crosses departmental and divisional lines. Occasionally, the program involves fields not regularly offered at the college.

### **SCI 201 Integrated Science**

These courses integrate knowledge from multiple scientific disciplines with knowledge from the humanities and social sciences. The courses typically provide a global or historical perspective, they address the methods, goals, and purview of science, they explore how science is used to understand natural phenomena, and they discuss the interrelationships between science and society. Specific topics differ between particular courses, but in general the courses use scientific topics as a springboard to address more general societal and cultural issues. Courses that are currently offered include *Cases and Concepts in Science and Culture*, *Earth, Body, and Mind*, *Women and Science*, and *Evolution and Human Behavior*.

### **SCI 202 Atoms and Axioms**

The course is about many things at many levels. It is certainly concerned with the nature of scientific thought; as a consequence, some details of scientific knowledge will be covered. But on a larger scale and very broadly, the course is about two great ideas in science: atoms and axioms; the former an example of an enduring hypothesis, the latter a manner of organizing and generating knowledge. Those ideas will be compared and contrasted; some of their interactions will be studied. The course begins with a historical viewpoint, examining the origins of our two major ideas in ancient Greece and developments during the scientific revolution. Then follows a lengthy philosophical interlude on the nature of scientific thought in general. The course then takes up again the historical development of our two main ideas into the 20th century. It ends with reflections on uncertainty and the nature of scientific thought. The course will include a laboratory component. Offered on an occasional basis.

### **SCI 250 Intermediate Topics in Science**

Introductory courses on materials that cross departmental and divisional lines or involve fields not regularly offered at the college. May be repeated when topic varies.

### **SCI 260 Intermediate Directed Study in Science (Variable course credit)**

### **SCI 350 Advanced Topics in Science**

Advanced courses on materials which cross departmental and divisional lines or involve fields not regularly offered at the college. May be repeated when topic varies.

### **SCI 460 Advanced Directed Study in Science (Variable course credit)**

### **SCI 490 Independent Study in Science**

# Social Science

## Social Science

This program may involve interdisciplinary study that includes material that crosses departmental lines. Occasionally, the program involves fields not regularly offered at the college.

### **SSCI 120 Social Science Statistics**

Basic social science statistics used to summarize data, describe relationships between variables, and make inferences from samples to estimate population parameters. Discussion of theory of probability and probability distributions, hypothesis testing, and exploration of computer packages. Preliminary to methods courses and some upper-level courses in business administration, economics, psychology, and sociology. May not be taken by students who have completed Mathematics 120 or equivalent. (Each fall and spring)

### **SSCI 250 Intermediate Topics in Social Science**

Introductory courses on materials that cross departmental and divisional lines or involve fields not regularly offered at the college. May be repeated when topic varies.

### **SSCI 260 Intermediate Directed Study in Social Science (Variable course credit)**

### **SSCI 350 Advanced Topics in Social Science**

Advanced courses on materials which cross departmental and divisional lines or involve fields not regularly offered at the college. May be repeated when topic varies.

### **SSCI 460 Advanced Directed Study in Social Science (Variable course credit)**

### **SSCI 490 Independent Study in Social Science**

# Sociology & Anthropology

## SOCIOLOGY AND ANTHROPOLOGY

*Bart Dredge, chair; Jennifer Randles; Terry Hoops*

*Dan Schores (Emeritus)*

The mission of the Department of Sociology and Anthropology is to convey the varieties of socio-cultural perspectives and to introduce research methods employed in understanding human societies. Students can major or minor in sociology and can minor in anthropology. Through the avenue of individually designed majors, it is possible to incorporate aspects of anthropology and related fields and/or work with off-campus resources for an anthropological studies major.

## ANTHROPOLOGY

Anthropology, the study of human cultural diversity, is divided into four distinct sub-fields — cultural anthropology, archeology, physical anthropology, and socio-linguistics. All four sub-fields explore how culture shapes the human experience, the forces and processes that have shaped human biology and society over time, and the ways in which human societies are similar to and different from each other. Cultural anthropology, the sub-field emphasized at Austin College, investigates human experience within different cultural settings by

actually entering into those cultures and studying those groups from their own perspectives. The courses offered in the department explore a wide range of societies and communities, from gatherers and hunters to tribal groups, peasants, urban peoples in the Third World, and ethnic groups in the United States and around the world. Courses deal comparatively with contemporary issues such as the cultural construction of gender and gender relations, race and ethnicity in nation formation, the critique of development, colonialism and the shaping of the modern world system, politics of state and non-state societies and the exercise of power, war and peacemaking, and environmental anthropology. As an integrative science, anthropology has links to other disciplines and programs including history, biology, religion, environmental studies, gender studies, area studies programs, and the other social sciences.

**A minor in anthropology** consists of five courses: Anthropology 123 (Introduction to Cultural Anthropology), Anthropology 270 (Research Methods), and three elective courses in anthropology with at least one course at the 200 level or higher; and one approved course outside the discipline in a topic relevant to cultural anthropology.

### **ANTH 123 Introduction to Cultural Anthropology**

An introduction to the discipline of cultural anthropology. Explores concepts, theories, methods of research, and the historical development of the discipline. A comparative exploration of various societies around the world offers insights on family and kinship, inequality and power, religious beliefs and values, economics, environment and technology, gender relations, and contemporary issues facing societies and communities today. Examines cultural change and the impact of industrialized societies and global forces on traditional societies. (Each fall and spring)

### **ANTH 236 Anthropology of the City**

Focuses on the emergence of cities in human society, the cross-cultural study of contemporary urbanization and urban life, social and cultural problems common to cities in Third World societies and the United States, the role of the city as a cultural symbol, and the city's role in shaping contemporary national societies. Prerequisite: Anthropology 123 or Sociology 101. (Offered on occasional basis)

### **ANTH 250 Topics in Anthropology**

An introductory course on special subjects. May be repeated when topic varies.

### **ANTH 260 Intermediate Directed Study (Variable course credit)**

### **ANTH 270 Research Methods (see Sociology 270)**

### **ANTH 263 Whose Amazon?: Environment, Society, and Development in the Amazon River Basin**

An examination of the issues facing the peoples and environment of the Amazon River Basin from a political ecology perspective. The course examines environmental conditions and issues in the region, the impact of national and multinational development efforts (mining, oil exploration, road and dam building, deforestation) and development theory on the environment and peoples of the area, and conflicts of interest among different groups in the area (settler, native peoples, states, multinational corporations, miners, ranchers). A critical examination of the theories of development and modernization, sustainable development, nation-building, ethnicity, environmentalism (global warming, etc) and biodiversity will inform the course. (Offered on occasional basis)

### **ANTH 265 Latin American Societies and Culture**

An exploration of the forces that have shaped Latin American culture, of indigenous cultures before and after the conquest, the cultural and economic effects of colonialism on contemporary culture, the struggle for cultural and political emancipation by indigenous peoples, peasants and workers, the forging of national and ethnic identities, and the impact of modernization on communities and nations. We examine the human experience in Latin America from an anthropological perspective, probing such issues as how ethnicity and class have

intersected in forging national cultures, the changing relationships between gender and power, the dynamics of grass-roots social and resistance movements, the impacts of liberation theology and Protestantism on religious and political practices, the debates over economic development and neo-liberal policies, the responses to a heritage of violence, and the struggle of Latin Americans to define their place in a global setting. No prerequisites. (Offered on occasional basis)

### **ANTH 315 War and Peacemaking**

Explores the study of warfare and peacemaking from an anthropological perspective. Some of the questions this course will address include: Are humans biologically inclined to aggression and warfare? Why (and how) is tribal warfare so different from modern warfare? What drives nations and individuals to go to war? Why do justice (and revolutionary) movements often resort to violence? How do ethnic groups and indigenous societies resist more powerful and violent states? How do weapons of mass destruction change the rules of warfare? How does non-violent resistance respond to the forces that create warfare? Prerequisite: Anthropology 123 or 235, or Sociology 101, or permission of instructor. (Offered on occasional basis)

### **ANTH 362 Immigration Policy and the Immigrant Experience**

Focuses on the debates about immigration policy and the immigrant experience in the US from an anthropological perspective. The course examines the debates about US immigration policy during the last forty years, the contradictory role of the ICE and the Department of Homeland Security as gatekeeper of the country's borders, the shifting definitions of border, citizen, refugee and immigrant. The course also focuses on the immigrant experiences of Asians (particularly SE Asians) and Latin Americans (particularly Mexicans, Central Americans and Haitians), examining the conditions that led to their exodus, the "crossing over" processes into the US, and the experiences of constituting diaspora immigrant communities in the US. Prerequisite: Anthropology 123 or Sociology 101 or instructor consent. (Offered on occasional basis)

### **ANTH 365 Race and Ethnic Relations**

A comprehensive examination of race and ethnicity as central categories of social experience. Topics include people's identities and the inequalities they experience, especially as these are perpetuated within the family, education, religion, and other social institutions in society. Prerequisite: Sociology 101 or Anthropology 123 or permission of instructor. (Fall 2011)

### **ANTH 450 Advanced Topics in Anthropology**

A study of various sub-fields. Prerequisite: Anthropology 123 and another anthropology course, or permission of instructor. May be repeated when topic varies.

### **ANTH 460 Advanced Directed Study (Variable course credit)**

### **ANTH 464 Teaching/Learning Participation (Variable course credit)**

An individualized study that includes sharing in the instructional process for a particular anthropology course under the supervision of the faculty member teaching the course. Open only to certain highly qualified juniors and seniors by invitation. (See Bulletin under "On Campus Learning Opportunities")

### **ANTH 490 Independent Study**

### **ANTH 491 Anthropology Honors Thesis**

### **ANTH 492 Independent Study Off-Campus/NSOC**

## SOCIOLOGY

Learning to think sociologically requires more than just the acquisition of knowledge — it demands that we break free from the immediacy of personal circumstances and experiences. The sociology major offers students the opportunity to engage their sociological imaginations so that they might stand outside their experiences — and the experiences of others — and consider them anew. To achieve this, students develop the ability to see and understand the complexities of social life, and learn to deal more effectively with society and individuals in a variety of social settings. They are equipped to navigate in business and corporate settings, to work in social agencies, to formulate public policy, to contribute to and evaluate a host of community-based programs, and to prepare for teaching (especially at the secondary level). Additionally, sociology majors find themselves well prepared for graduate study in sociology, law, social work, gerontology, communication, criminal justice, urban planning, the ministry, and a host of other fields.

**A major in sociology** consists of eight approved course credit units including Sociology 101, 240, 270, and three courses numbered 300 or above. All prospective majors are strongly encouraged to take these required courses as early as possible and to seek faculty advice to ensure the most effective reflection of student intellectual and career goals.

**A minor in sociology** consists of five course credit units including Sociology 240 and 270 and at least one course numbered 300 or above. Departmental faculty will assist students when selecting the appropriate courses for the minor. The selection should reflect a coherent program within sociology as well as possible connections to the student's academic major.

### **SOC 101 Introduction to Sociology**

An introduction to the study of human groups, communities, societies, cultures, and social factors in the explanation of human behavior. Field experiences and limited research may be employed. (Each fall and spring)

### **SOC 121 Marriage and Family**

A study of social patterns and issues involved in family systems and preparation for marriage, emphasizing recent historical western society with some comparisons to other cultures. (Offered on occasional basis)

### **SOC 125, 225, 325, 425 Research Practicum (1/4 course credit unit)**

Supervised research in sociology using various research appropriate methodologies. Students will arrange specific research responsibilities with interested faculty. May be repeated for a total of one course credit unit, with each practicum after 125 a prerequisite for the next.

### **SOC 236 Sociology of the City (see Anthropology 236)**

### **SOC 240 Social Theory**

A critical examination of classical social thought. The course uses the Hobbesian “problem of order” as a starting point for the investigation of many of the important social theorists who lived and wrote prior to the 1920s. Primary source reading will enhance class discussions. Prerequisite: Sociology 101 or permission of instructor. (Fall 2012 – Every third semester)

### **SOC 241 Sex and Gender in Society**

An analysis of historical roots and contemporary issues concerning gender and sex, with particular exploration of research and assumptions about men and women, sexual orientation, and gender-related violence. The course will examine some public policy debates and both national and international concerns in this field. Prerequisite: Sociology 101 or equivalent, Anthropology 123, Gender Studies 120, or Psychology 101. (Offered on an occasional basis)

**SOC 245 Law and Society**

An exploration of the evolution and function of law in modern society. Topics include the history of American legal thought; the “criminal law revolution;” challenges to the current system of tort law in the United States; and the contemporary application of various protections of the Bill of Rights. Of interest to all students interested in a liberal arts approach to the law. Prerequisite: Sociology 101 or permission of instructor. (Fall 2013)

**SOC 250 Topics in Sociology**

An introductory course on special subjects. Recent topics have included social psychology, childhood and adolescence and medical sociology. May be repeated when topic varies.

**SOC 260 Intermediate Directed Study (Variable course credit)****SOC 270 Research Methods**

An introduction to techniques for the production of scientifically and ethically creditable knowledge concerning social human behavior. Research design and research project proposals included. Prerequisite: Sociology 101 or another introductory course in the social sciences, or permission of instructor. (Each spring)

**SOC 321 Population and Society**

A study of the composition, distribution, and trends of population worldwide with special attention to the social implications of population change and issues raised by fertility, mortality, migration, and public policies. State, national, and international issues examined in relation to demographic changes and efforts to control them. Prerequisite: Sociology 101 and another sociology course, or permission of instructor. (Offered on an occasional basis)

**SOC 345 Sociology of Religion**

Students investigate classical and contemporary approaches to the study of religion and society. Stressed in the course are the importance of modern secularization; the multi-dimensionality of religious behavior; the process of religious socialization; the various individual and social functions of religion; and the importance of prophetic religion in contemporary life. Prerequisite: Sociology 101 and another sociology course, or permission of instructor. (Fall 2012)

**SOC 350 Advanced Topics in Sociology**

A study of selected topics offered on an occasional basis. Recent topics include social psychology; child labor; the social gospel movement; and childhood in the United States. Upcoming: Child Labor in America (Spring 2013). Prerequisite: Sociology 101 or permission of instructor. May be repeated when topic varies.

**SOC 365 Race and Ethnic Relations**

A comprehensive examination of race and ethnicity as central categories of social experience. Topics include people’s identities and the inequalities they experience, especially as these are perpetuated within the family, education, religion, and other social institutions in society. Prerequisite: Sociology 101 or permission of instructor. (Fall 2013)

**SOC 385 Social Movements**

An historical and comparative examination of the theoretical and practical potential for social and political change. The course considers traditional theories of collective behavior as well as recent contributions to the understanding of social and political movements. Class discussions and course readings will stress the dynamics of the American labor movement — itself the paradigmatic example of movement dynamics. Prerequisite: Sociology 101 and another sociology course, or permission of instructor. (Spring 2014)

**SOC 405 Writing Workshop**

An intensive writing workshop intended for all students committed to developing a professional level of writing

competence. Students focus fifteen (15) essays on a variety of topics including scholarly articles, chapters, and books. Student essays are mounted for overhead projection and discussion with the class; and students meet with the instructor on a rotational basis for a close discussion of their essays. Class size limited to fifteen. Prerequisite: permission of instructor. (Offered on an occasional basis)

### **SOC 445 Issues in Higher Education**

A course that puts the Austin College experience into a larger historical, pedagogical, and legal structure. Students examine topics that include the history of higher education in the United States; academic freedom and tenure; the moral responsibility of the college; the problem of “hate speech;” and the creation of the intellectual canon. Intended for students seriously considering law, medical, and graduate school. Prerequisite: permission of instructor. (Offered on occasional basis)

### **SOC 450 Advanced Topics in Sociology**

A study of various sub-fields or major theorists. Sample subjects include contemporary social theory, and occupations and professions. Prerequisite: Sociology 101 and another sociology course, or permission of instructor. May be repeated when topic varies.

### **SOC 460 Advanced Directed Study (Variable course credit)**

### **SOC 464 Teaching/Learning Participation (Variable course credit)**

An individualized study that includes sharing in the instructional process for a particular sociology course under the supervision of the faculty member. Open only to highly qualified juniors and seniors by invitation. (See Bulletin under “On Campus Learning Opportunities”)

### **SOC 490 Independent Study**

### **SOC 491 Sociology Honors Thesis**

### **SOC 492 Independent Study Off Campus/NSOC**

## **Southwestern & Mexican Studies**

### **SOUTHWESTERN AND MEXICAN STUDIES**

*Julie Hempel, director*

*Justin Banks, college archivist and assistant director*

Southwestern and Mexican Studies (CSMS) promotes collaborative learning between students and faculty members, with special emphasis on the intersection of Latino and Anglo cultures in Texas and Mexico.

**A minor in Southwestern and Mexican studies** consists of a minimum of five approved course credit units with each course having a significant southwestern and/or Mexican content. Students must take at least one course in each of the two regional focus areas (southwestern United States and Mexico), with at least one course of the five numbered 300 or above. Language competency in Spanish through the 202-level also is required in addition to the five approved courses.

Disciplinary courses approved for the minor in Southwestern and Mexican studies are listed collectively in the course schedule each term.

# Western Intellectual Tradition

## WESTERN INTELLECTUAL TRADITION

*Karánn Durland, director*

The mission of the Western Intellectual Tradition program is to promote multidisciplinary inquiry into the development and transmission of western culture from ancient times through the eighteenth century.

The Great Books and great works of art are the foundation of a traditional liberal arts education. The western intellectual tradition minor explores the cultural history of Europe through coordinated study in such fields as history, philosophy, literature, art history, music history, religious studies, and political theory. Approved courses emphasize major works by authors and artists from before the year 1800.

**A minor in western intellectual tradition** consists of a minimum of six course credit units in at least three disciplines:

- History 133 or an approved substitute
- Philosophy 220 or 225, or an approved substitute
- Four additional approved courses, of which at least one must be at the 300 level or higher
- Competence in a European language other than English is highly recommended, but not required. A January term, semester, or year abroad in Europe also is highly recommended, but not required. January term courses may not be used to satisfy the requirements for the minor.
- Disciplinary courses approved for the western intellectual tradition minor are listed collectively in the course schedule each term.

**WIT 250 Intermediate Topics in Western Intellectual Tradition**

**WIT 260 Intermediate Directed Study in Western Intellectual Tradition (Variable credit course)**

**WIT 350 Advanced Topics in Western Intellectual Tradition**

**WIT 460 Advanced Directed Study in Western Intellectual Tradition (Variable credit course)**

**WIT 490 Independent Study in the Western Intellectual Tradition (Variable credit course)**

# Teacher Education

## TEACHER EDUCATION

*Barbara Sylvester, chair; Sandy Philipose, Julia Shahid,  
Jane White, John White*

*Cathy Weems (Adjunct)*

<http://www.austincollege.edu/academics/austin-teacher-program/>

The Austin Teacher Program prepares teachers through a rigorous five-year experiential program combining an undergraduate liberal arts degree with a Master of Arts in Teaching degree culminating in initial certification. It is the mission of the program to prepare empowered professional decision makers through course work and field experiences that require collaboration, critique, inquiry, and reflection.

## THE AUSTIN TEACHER PROGRAM

Austin College offers prospective teachers a five-year teacher education program, which terminates with the Master of Arts in Teaching (MAT) degree. The primary goal of teacher education at Austin College is to prepare teachers who will have the breadth and depth of intellectual development that is afforded by a vigorous undergraduate liberal arts education. The program strives to educate individuals who will be active learners in their personal and professional lives, who will become dedicated and creative teachers, and who will be educational leaders in their schools. Austin College is an initial certifying agency and cannot grant a MAT degree to anyone already holding any type of teaching certificate. Qualified applicants are encouraged to apply.

The Austin Teacher Program (ATP) is fully accredited through the Texas State Board for Educator Certification, a division of the Texas Education Agency. This agency has the power to change minimum requirements at any time. As mandated by the Title II Act and made available on the Title II Web site ([www.titleII.org](http://www.titleII.org)), the following table provides information about the pass rates on the TExES exams required for certification:

*Title II Report Data for Cohort Years 2010 & 2011		
	2010	2011
	AC	AC
Pedagogy & Professional Responsibility	96%	94%
Academic Content	96%	100%
Summary Pass Rates	96%	100%
Number in Cohort	24	17

The Texas State Board for Educator Certification has redefined both standards and levels for teacher education. It is possible that new rulings made after publication will make it necessary to change course requirements for certification. All other programs are governed by the certificate levels immediately following:

Upon completion of all certification requirements, a Texas teaching certificate is obtainable in one of five categories:

1. Early childhood through grade 6 generalist (EC-6);
2. Grades 4 through 8 (social studies, English language arts and reading, mathematics, science, or English language arts and reading/social studies);

3. Grades 7 through 12 (speech)
4. Grades 8 through 12 (English language arts and reading, history, life science mathematics, and physical science)
5. An all-level certificate in physical education, art, music, theatre, languages other than English (French, German, Latin, or Spanish).

Students seeking EC-6 certification must select a major or minor in one of the following academic fields: art, biology, English, French, German, history, mathematics, music, physical education, psychology, Spanish, or communication arts. Normally, the chosen major and/or minor reflects the student's specialized teaching field for those in grades 4 through 8, 7 through 12, 8 through 12, and all-level certificate seekers. Teaching field requirements are not necessarily the same as requirements for a major. A listing of requirements for teaching fields is available in the ATP office and on the ATP Web site.

Admission to the Austin Teacher Graduate Program acknowledges the student's potential for graduate professional study and initial certification. Students apply to the ATP Graduate Program when they are in the final semester of their undergraduate work and have completed or are enrolled in Education 475. Admission is determined by the Austin Teacher Program Admission Committee comprised of faculty members from various departments of the college as well as ATP faculty.

## **EDUCATION 351 CHECKPOINT**

### **Requirements to continue the Austin Teacher Program:**

Completion of Education 225 and 351 with a grade point average of 2.50 and a grade of B- or better in Education 351;

1. Successful teaching evaluations in Education 351;
2. Cumulative grade point average of 2.5 for all courses;
3. Evidence of sound physical, mental, and emotional health as attested to by the student's signature on the Health Release Form;
4. Completion of the ATP Background Check Information Form;
5. Completion of the Code of Ethics and Standard Practices for Texas Educator's Form;
6. Evidence of personal and social qualities appropriate for the teacher profession assessed by observations of ATP faculty and cooperating teachers in coordinating school field experiences in Education 225 and 351;

Note: Students may not take Education 475 prior to formal review of eligibility status in the ATP

## **ADMISSION TO THE AUSTIN TEACHER PROGRAM AND THE AUSTIN TEACHER GRADUATE PROGRAM**

### **Requirements for Admission to the Graduate Program:**

1. Satisfactory completion of Education 475 with a grade of B- or better;
2. Successful teaching evaluations in both Education 351 and Education 475;
3. A liberal arts bachelor's degree from Austin College or another institution and official transcripts of all undergraduate credits earned at any institution of higher education;
4. Completion of all undergraduate certification requirements including general education and teaching field(s); [(Advanced level courses (300-400)] that satisfy certification requirements in teaching fields and that exceed major requirements may be completed as graduate electives);
5. A basic proficiency in a language other than English; this requirement may be satisfied by passing a language course at the 200 level;
6. A minimum cumulative grade point average of 2.50 in all courses at the undergraduate level and 3.00 in the major area or teaching field(s);

7. Three recommendations including at least one Austin College faculty member in the student's major or in each teaching field (exception: provisional graduate students with degrees from institutions other than Austin College) and recommendation from their ATP advisor or another ATP faculty member with whom they have worked.
8. Approval by the Austin Teacher Program Admission Committee;
9. Completion of the Austin College writing, quantitative, and foreign language competencies.
10. Mandated Basic Skills and Critical Thinking Skills testing as set forth by the Texas State Board of Education.

Note: Students may petition to take up to a maximum of two graduate courses prior to formal admission to the graduate program. Students must be in good academic and social standing, and their requests must be approved by their ATP advisor as well as the program chair.

## **PROVISIONAL ADMISSION TO THE AUSTIN TEACHER GRADUATE PROGRAM**

Although the ATP is a five-year program rather than a fifth-year program, it is possible for a qualified student who has a bachelor's degree from Austin College or another institution to apply to enter the ATP as a provisional graduate student, completing first the necessary undergraduate courses required either by Austin College or the Texas State Board for Educator Certification. Details concerning admission to the ATP through this route may be obtained from the ATP Office. Austin College is an initial certifying agency and cannot grant a MAT degree to anyone already holding any type of teaching certificate.

Admitted individuals may be eligible to substitute experience and/or professional training directly related to the certificate being sought for part of the preparation requirements. The candidate must submit a letter to the director of the program who will then bring the matter before the Austin Teacher Program faculty. Final approval for waiver of requirements rests with that body.

### **Undergraduate Program**

In the undergraduate phase of the ATP, students complete a major in their chosen area(s) of study, liberal arts courses required for certification, and a sequence of three education courses. Students should work carefully with an ATP faculty member as well as their Austin College mentor in planning their program of study. During Education 225, students are assigned an ATP advisor who assists them in completing a degree plan meeting all undergraduate requirements. In Education 475, the ATP advisors meets with the student to design his/her formal degree plan, that is filed with the registrar's office.

Students seeking 4 through 8, 7 through 12, 8 through 12 or all-level certificates must select a major and/or minor in their teaching field(s).

Students seeking EC-6 certification may select a major in one of the following academic fields: art, biology, English, French, German, history, mathematics, music, exercise and sport science, psychology, Spanish, or communication studies.

Teaching field requirements are not necessarily the same as requirements for a major or minor. A listing of requirements for each certification is available in the ATP office and on the ATP Web site <http://www.austincollege.edu/academics/austin-teacher-program/>.

### **Undergraduate Education Courses**

The undergraduate education phase of the ATP includes three courses:

- Education 225 Schools and Society

- Education 351 The Learner-Teacher Interaction
- Education 475 The Learner, The Teacher, and The Curriculum

## Liberal Arts Courses Required for Certification

The courses listed below are required of all students seeking teaching certification. Other certificate specific requirements are listed on the Austin Teacher Program Web site.

- History 162 or 163 (American History);
- Psychology 296 and one of the following courses: Psychology 220, 330, or 355 (Psychology 101 is a prerequisite);
- Foreign language competency as required by Austin College (three-semester equivalent);
- Writing competency as required by Austin College, and C/I or an English course;
- Quantitative competency as required by Austin College or appropriate THEA score.

## Graduate Program

In the graduate program, students engage in academic and professional studies focused on teaching. The graduate program requires nine course credits including a common core of two courses and six additional EC-6, 4-8, 7-12, 8-12, or all-level courses (with the Graduate Teaching Experience counting as two credits) for a total of nine course credit credits.

### Course Requirements for the MAT Degree

The core courses provide common experiences for all students in the Austin Teacher Program. The core includes two course credits:

- Education 520 Educational Foundations
- Education 598 Research and Assessment for Teachers

**Early Childhood through Grade 6 Generalist:** The EC-6 generalist program includes six courses (seven course credit units) in addition to two core courses. These include four courses covering the major curricular areas of reading, writing, mathematics, science, and social studies; and a graduate teaching experience with a concurrent seminar. The courses are identified as follows:

- Education 530 Foundations of Literacy (1 course credit unit)
- Education 531 Development of Literacy Processes and Competencies (1 course credit unit)
- Education 532 Mathematics in the Elementary School (1 course credit unit)
- Education 533 Science and Social Studies in the Elementary School (1 course credit unit)
- Education 576 Graduate Teaching Experience, Elementary (2 course credit units)
- Education 577 Instructional Strategies and Literacy in the Content Areas, Elementary School (concurrent with ED 576, 1 course credit unit)

**Grades 4 through 8 (Social Studies, English Language Arts and Reading, Mathematics, Science, or English Language Arts and Reading/Social Studies):** The middle grade programs include six courses (seven course credit units) in addition to two core courses. These include one or more courses focusing on pedagogical content knowledge in the student's teaching field(s), a course on literacy development, a course on the major issues in American secondary schools, and a graduate teaching experience with a concurrent seminar. The middle grade courses are as follows:

### 4 through 8 English Language Arts and Reading:

- Education 530 Foundations of Literacy (1 course credit unit)
- Education 531 Development of Literacy Processes and Competencies (1 course credit unit)

- Education 541 Secondary Instruction: English (1 course credit unit)
- Education 549 Secondary Education (1 course credit unit)
- Education 576 or 584 Graduate Teaching Experience, Elementary/Secondary (2 course credit units)
- Education 577 or 585 Instructional Strategies and Literacy in the Content Areas, Elementary/Secondary Schools (concurrent with ED 576, 1 course credit unit)

#### **4 through 8 Social Studies:**

- Education 531 Development of Literacy Processes and Competencies (1 course credit unit)
- Education 533 Science and Social Studies in the Elementary School (1 course credit unit)
- Education 542 Secondary Instruction: Social Science (1 course credit unit)
- Education 549 Secondary Education (1 course credit unit)
- Education 576 or 584 Graduate Teaching Experience, Elementary/Secondary (2 course credit units)
- Education 577 or 585 Instructional Strategies and Literacy in the Content Areas, Elementary/Secondary Schools (concurrent with ED 576, 1 course credit unit)

#### **4 through 8 English Language Arts and Reading/Social Studies:**

- Education 531 Development of Literacy Processes and Competencies (1 course credit unit)
- Education 541 Secondary Instruction: English (1 course credit unit)
- Education 542 Secondary Instruction: Social Science (1 course credit unit)
- Education 549 Secondary Education (1 course credit unit)
- Education 576 or 584 Graduate Teaching Experience, Elementary/Secondary (2 course credit units)
- Education 577 or 585 Instructional Strategies and Literacy in the Content Areas, Elementary/Secondary Schools (concurrent with ED 576, 1 course credit unit)

#### **4 through 8 Mathematics:**

- Education 531 Development of Literacy Processes and Competencies (1 course credit unit)
- Education 532 Mathematics in the Elementary School (1 course credit unit)
- Education 543 Secondary Instruction: Mathematics (1 course credit unit)
- Education 549 Secondary Education (1 course credit unit)
- Education 576 or 584 Graduate Teaching Experience, Elementary/Secondary (2 course credit units)
- Education 577 or 585 Instructional Strategies and Literacy in the Content Areas, \* Elementary/Secondary Schools (concurrent with ED 576, 1 course credit unit)

#### **4 through 8 Science:**

- Education 531 Development of Literacy Processes and Competencies (1 course credit unit)
- Education 533 Science and Social Studies in the Elementary School (1 course credit unit)
- Education 544 Secondary Instruction: Science (1 course credit unit)
- Education 549 Secondary Education (1 course credit unit)
- Education 576 or 584 Graduate Teaching Experience, Elementary/Secondary (2 course credit units)
- Education 577 or 585 Instructional Strategies and Literacy in the Content Areas, Elementary/Secondary Schools (concurrent with ED 576, 1 course credit unit)

**Grades 7 through 12 and grades 8 through 12:** These programs include six courses (seven course credit units) in addition to two core courses. These include a course focusing on pedagogical content knowledge in one of the student's teaching fields, a course focusing on the major issues in American secondary schools, a course focusing on the development of literacy processes, a graduate teaching experience with a concurrent course, and two courses related to the student's teaching field(s). The courses are identified as follows:

- Education 531 (1 course credit unit)
  - NOTE: Education 532 (required for mathematics teaching field, 1 course credit unit)
- Education 541-546 Secondary Instruction (selected by academic area, 1 course credit unit)
- Education 549 Secondary Education (1 course credit unit)
- Education 584 Graduate Teaching Experience, Secondary (2 course credit units)
- Education 585 Instructional Strategies and Literacy in the Content Areas, Secondary School (concurrent with ED 584, 1 course credit unit)
- One elective graduate courses in the teaching field(s) (1 course credit units)

**All-Level Program in Art, Languages Other Than English, Music, Physical Education, or Theatre:** The all-level programs include six courses (seven course credit units) in addition to the two core courses. The all-level courses are as follows:

**All-Level Art:**

- Education 531 (1 course credit unit)
- Elementary content courses (1 course credit unit)
- Education 549 Secondary Education (1 course credit unit)
- Education 594 Graduate Teaching Experience, All-Level (2 course credit units)
- Education 595 Instructional Strategies and Literacy in the Content Areas, All-Level (concurrent with Education 594, 1 course credit unit)
- Education 546 Teaching Art in the School (1 course credit unit)
- One elective graduate course in education or art (1 course credit unit)

**All-Level Languages Other Than English:**

- Education 530 (1 course credit unit)
- Education 549 Secondary Education (1 course credit unit)
- Education 594 Graduate Teaching Experience, All-Level (2 course credit units)
- Education 595 Instructional Strategies and Literacy in the Content Areas, All-Level (concurrent with Education 594, 1 course credit unit)
- Modern Languages 503 Teaching Modern Languages (1 course credit unit)
- One elective graduate course in change Spanish, French, Latin, or German (1 course credit unit)

**All-Level Music:**

- Education 531 Development of Literacy Processes and Competencies (1 course credit unit)
- Education 549 Secondary Education (1 course credit unit)
- Education 594 Graduate Teaching Experience, All-Level (2 course credit units)
- Education 595 Instructional Strategies and Literacy in the Content Areas, All-Level (concurrent with Education 594, 1 course credit unit)
- Education 546 Teaching Music in the School (1 course credit unit)
- One elective graduate course in education or music (1 course credit unit)

**All-Level Physical Education:**

- Education 531 Development of Literacy Processes and Competencies (1 course credit unit)
- Education 549 Secondary Education (1 course credit unit)
- Education 594 Graduate Teaching Experience, All-Level (2 course credit units)
- Education 595 Instructional Strategies and Literacy in the Content Areas, All-Level (concurrent with ED 594, 1 course credit unit)
- Exercise and Sport Science 562 Current Trends in Elementary and Secondary Exercise and Sport Science (1 course credit unit)

- One elective graduate course in education or physical education (1 course credit unit)

### **All-Level Theatre:**

- Education 531 Development of Literacy Processes and Competencies (1 course credit unit)
- Education 549 Secondary Education (1 course credit unit)
- Education 594 Graduate Teaching Experience, All-Level (2 course credit units)
- Education 595 Instructional Strategies and Literacy in the Content Areas, All-Level (concurrent with Education 594, 1 course credit unit)
- Education 546 Teaching Theatre in the School (1 course credit unit)
- One elective graduate course in education or theatre (1 course credit unit)

### **Other Graduate Information**

**Minimum Grade Point Average:** The required minimum grade point average in the graduate program is 3.00.

**Undergraduate Enrollment in Graduate Courses:** ATP students who do not need a full course load to complete the requirements for the bachelor's degree or the general education requirements for certification may apply to the ATP for permission to enroll in courses carrying graduate credit during their last term prior to graduate admission. No more than two graduate courses may be taken prior to admission to the graduate program. Enrollment in and satisfactory completion of graduate courses do not guarantee admission to the graduate program.

**Course Load:** The maximum course load for a graduate student is three course credit units during the fall and spring terms, two course credit units during the summer term, and one during January. A student may take a third course in the summer if approved by the ATP advisor. To be considered a full-time graduate student, one must enroll for a minimum of two course credit units during the fall and spring terms and one course credit unit during the summer term.

**Transfer of Graduate Credits:** A maximum of two graduate course credit units (eight semester hours) from an accredited institution may be applied toward the student's graduate degree program with the approval of the director of the graduate program and the registrar. All transfer graduate courses must have a grade of B or higher to be accepted for graduate requirements.

**Time Limit for Completion of Graduate Program:** All work that may be counted as credit toward the MAT degree must be completed within a period of two years from the time the student has completed the first graduate course. This time limit may be extended under some circumstances.

**Graduate Grading System:** The minimum passing grade in the graduate program is C. The grade of D is not used. Students receive letter grades in all graduate courses except Education 576, 584, or 594, which are evaluated as Satisfactory (S) or Unsatisfactory (U). The grade of S in these courses signifies achievement equivalent to an A or B.

**Academic Probation and Termination for Graduate Students:** Any graduate student whose graduate cumulative grade point average is below 3.00 will be placed on academic probation through the following term. If the grade point average is not raised to at least 3.00 by the end of the one-semester probationary period, the student will be dropped from the program unless an extension of probation is granted by the Academic Standing Committee. Students on academic probation may not register for the Graduate Teaching Experience (Education 576, 584, or 594).

**Graduate Teaching:** ATP graduate students must pass the TExES content certification examination in order to qualify for graduate teaching. Individuals seeking foreign language certification in Spanish or French must pass the TExES/LOTE (Languages Other Than English) test before qualifying for graduate teaching.

**Graduate Teaching Fee:** For students accepting graduate student teaching or internship positions more than 25 miles from Sherman, additional supervision fees are assessed. Consult the College Costs section of this Bulletin.

**Eligibility for Certification:** Students completing the MAT degree are eligible for certification in Texas upon passing the appropriate TExES exams and completing the application for certification. Certification candidates also must submit to a criminal history check conducted by the State Board for Educator Certification. At such time the college certification officer, with approval of the Austin Teacher Program Admission Committee, recommends the student to the State Board for Educator Certification for certification.

## **COURSE DESCRIPTIONS**

### **Undergraduate Courses**

#### **EDUC 225 Schools and Society**

A critical study of schooling, teaching, and learning. Among topics to be analyzed: effective teaching, effective schools, equity issues, and policy-making in education. Other activities include school observations, comparative studies of education, and simulations of school issues. Prerequisite: sophomore standing (Each fall and spring)

#### **EDUC 250 Topics in Education**

A study of selected topics offered on an occasional basis. May be repeated when the topic varies. The following topic offered every other spring:

#### **Children's Literature**

An exploration of the genres within children's literature, analysis of writing styles, uses of children's books in beginning and advanced reading instruction.

#### **EDUC 260 Intermediate Directed Study (Variable course credit)**

#### **EDUC 351 The Learner-Teacher Interaction**

A study of and practice with effective teaching practices. This course serves to inform students of theoretical bases of effective teaching and to provide practice in developing specific teaching behaviors and communication skills that are associated with effective teaching. This field-based (a minimum of 30 hours in a classroom) and campus-based course focuses on three major areas — teacher-pupil interaction, pedagogical knowledge, and learner diversity. Prerequisite: junior standing, Education 225 with a grade of C or better, or permission of director of ATP to enroll in Education 225 and Education 351 concurrently. (Each fall and spring)

#### **EDUC 460 Advanced Directed Study (Variable course credit)**

#### **EDUC 464 Teaching/Learning Participation (Variable course credit)**

(See Bulletin under "On Campus Learning Opportunities")

#### **EDUC 475 The Learner, the Teacher, and the Curriculum**

A study of and practice with planning and implementing instruction. Education 475 students will be able to demonstrate knowledge of instructional planning, classroom management, and effective teaching practices. Other topics include curriculum, classroom communication, strategies for differentiation, and the educational

implications of brain research. Education 475 includes a nine-week teaching experience. Prerequisite: senior standing and completion of Education 351 checkpoint requirements. (Each fall and spring)

### **EDUC 490 Independent Study**

### **EDUC 491 Education Honors Thesis**

### **EDUC 492 Independent Study Off-Campus/NSOC**

## **Graduate Courses**

### **EDUC 520 Educational Foundations**

Introduction to the historical, philosophical, and social foundations of education. It focuses on the following areas: (1) development of K-12 education in the United States, (2) major ideas and schools of thought that have influenced American education, and (3) the relationship between society and schools, with special emphasis on equity, diversity, and democratic principles. Prerequisite: Education 475. (Each spring and summer)

### **EDUC 530 Foundations of Literacy**

Introduction to beginning literacy strategies. Students closely investigate the factors which promote successful literacy learning. Knowledge of the theoretical and developmental foundations of beginning literacy provides the perspective for classroom practices. Observing and documenting emergent reading behaviors, determining prerequisites for literacy acquisition, and structuring a developmentally appropriate, print-rich learning environment for beginning readers are skills to be developed. This course will include a five-week teaching experience in the primary grades. (Each fall and spring)

### **EDUC 531 Development of Literacy Processes and Competencies**

Survey of language arts strategies for upper elementary instruction. Students investigate literacy instruction as children are developing beyond initial reading and writing skills and strategies. Teaching strategies to broaden and deepen students' fluency and comprehension, promote students' growth as writers, document growth in reading and writing, assess strengths and weaknesses, and plan instruction from this information will be the focus of this course. The course will guide exploration of a meaning-centered language arts (reading, writing, listening, and speaking) curriculum for the intermediate grades (grades 4 through 8). Students will develop strategies that enhance all aspects of the language arts, but concentrate on reading comprehension, writing competency, and the growth of readers and writers. Content material and children's literature will be used as texts. This course includes a five-week teaching experience. (Each fall, spring, and summer)

### **EDUC 532 Mathematics in the Elementary School**

Preparation of prospective elementary and middle school teachers of mathematics. Students learn to create a positive learning experience for their students as they acquire both mathematical concepts and computational skills and then apply them in problem-solving situations. Emphasis is placed on understanding the developing child and the impact that development has on instruction. Recommendations made by the National Council of Teachers of Mathematics and the National Council of Supervisors of Mathematics are stressed, including use of problem solving as an integral part of the curriculum, the importance continual assessment plays in instruction, and the integration of technology throughout the program. The course includes a seven-week field experience. Prerequisite: Education 475. (Each fall and spring)

### **EDUC 533 Science and Social Studies in the Elementary School**

Combination of the curriculum of science and social studies as taught in elementary/middle school based on how children learn best. Learning experiences are discussed, demonstrated, and practiced by students in this course as they prepare to become elementary/middle school teachers. Earth science, physical science, and life science topics are all included in the science strand. Both concepts and processes specific to science education

are included. The social studies strand is built on a foundation of history, geography, economics, government, citizenship, culture, science, technology and society, and social studies skills. The course includes a limited field experience. Prerequisite: Education 475. (Each spring and summer)

**EDUC 540 Topics in Education (Variable course credit)**

A study of selected topics. May be repeated when topic varies. (Offered on an occasional basis)

**EDUC 541-547 Secondary Instruction**

In these courses students will focus on the content and pedagogy of their teaching field for middle and high school levels. Prerequisite: Education 475. (Each fall and spring)

**EDUC 541 Secondary Instruction: English**

**EDUC 542 Secondary Instruction: Social Science**

**EDUC 543 Secondary Instruction: Mathematics**

**EDUC 544 Secondary Instruction: Science**

**EDUC 546 Secondary Instruction: Fine Arts**

**EDUC 547 Secondary Instruction: Exercise and Sport Science**

**EDUC 549 Secondary Education**

Study of current practices and policies in American secondary schools. Students explore issues and challenges facing today's middle and high schools. Other topics studied include secondary school reform efforts, ways of assessing school effectiveness, alternative models for organizing secondary schools, adolescent development, and instructional models with an emphasis on differentiation and teaching for understanding. Prerequisite: Education 475. (Each summer and fall)

**EDUC 550 Alternative Graduate Study**

Alternative graduate offering. Occasionally a student will substitute an alternative graduate course for a graduate requirement for the MAT. Topics may vary depending on the needs of the student.

**EDUC 560 Graduate Independent Study**

**EDUC 576 Graduate Teaching Experience, Elementary (Variable credit not to exceed two course credit units)**

Graduate teaching experience. This course provides graduate students with extended opportunities to increase competence through actual teaching experience as graduate student teachers or interns in public or approved private schools. During the practicum, students are observed and coached by ATP faculty members and school personnel. Students also engage in reflection about their own teaching.

Student teachers follow the supervising teacher's schedule for the length of time designated. Interns are employed by a school district to teach on a part-time or full-time basis and report to the assigned school on the date specified in the contract. Prerequisite: successful completion of at least five graduate courses including all methods courses. May be repeated for a total of two course credit units. (Each fall and spring)

**EDUC 577 Instructional Strategies and Literacy in the Content Areas, Elementary School**

A seminar course taken concurrently with Education 576. The course has three foci: instructional methods and strategies, the integration of reading and writing skills in the content areas, and the development of an understanding of the educational system, including legal and ethical aspects of teaching with emphasis upon the state and local structure. Prerequisite: successful completion of all graduate work leading to graduate teaching. (Each fall and spring)

**EDUC 584 Graduate Teaching Experience, Secondary (Variable credit not to exceed two course credit units)**

Graduate teaching experience. This course provides graduate students with extended opportunities to increase competence through actual teaching experience as graduate student teachers or interns in public or approved private schools. During the practicum, students are observed and coached by ATP faculty members and school personnel. Students also engage in reflection about their own teaching.

Student teachers follow the supervising teacher's schedule for the length of time designated. Interns are employed by a school district to teach on a part-time or full-time basis and report to the assigned school on the date specified in the contract. Prerequisite: successful completion of at least two graduate education courses, one of which is the appropriate secondary instruction course. May be repeated for a total of two course credit units. (Each fall and spring)

### **EDUC 585 Instructional Strategies and Literacy in the Content Areas, Secondary School**

A seminar course taken concurrently with Education 584. The course has three foci: instructional methods and strategies, the integration of reading and writing skills in the content areas, and the development of an understanding of the educational system, including legal and ethical aspects of teaching with emphasis upon state and local structure. Prerequisite: successful completion of all graduate work leading to graduate teaching. (Each fall and spring)

### **EDUC 594 Graduate Teaching Experience, All-Level (Variable credit not to exceed two course credit units)**

Graduate teaching experience. This course provides graduate students with extended opportunities to increase competence through actual teaching experience as graduate student teachers or interns in public or approved private schools. During the practicum, students are observed and coached by ATP faculty members and school personnel. Students also engage in reflection about their own teaching.

Student teachers follow the supervising teacher's schedule for the length of time designated. Interns are employed by a school district to teach on a part-time or full-time basis and report to the assigned school on the date specified in the contract. Prerequisite: successful completion of at least two graduate education courses, one of which is the appropriate secondary instruction course. May be repeated for a total of two course credit units. (Each fall and spring)

### **EDUC 595 Instructional Strategies and Literacy in the Content Areas, All-Level**

A seminar course taken concurrently with Education 594. The course has three foci: instructional methods and strategies, the integration of reading and writing skills in the content areas, and the development of an understanding of the educational system, including legal and ethical aspects of teaching with emphasis upon state and local structure. Prerequisite: successful completion of all graduate work leading to graduate teaching. (Each fall and spring)

### **EDUC 598 Research and Assessment for Teachers**

Classroom assessment issues and topics related to educational research. Methods of classroom evaluation, test construction, and test interpretation as well as purposes of testing and social, legal, and ethical issues connected with testing will be examined. The educational research segment of the course has two strands: the acquisition of necessary information to foster the research process, and an opportunity to develop a hands-on knowledge of both qualitative and quantitative research methodology. (Each fall and spring)

## **Exercise and Sport Science**

### **ESS 562 Current Trends in Elementary and Secondary Exercise and Sport Science**

Students will investigate a variety of concerns in physical education which will include trends in methodology, curriculum design, student evaluations, teacher evaluation, extra-curricular opportunities, and identification of concerns that could affect physical education and athletics in the future.

## Psychology

### **PSY 562 Topics in Educational Psychology (Variable course credit)**

Each term focuses on a single topic. May be repeated with permission of instructor when topic varies.

### **PSY 550 Alternative Graduate Study**

To earn graduate credit for an undergraduate course, the student must fulfill the additional requirements specified by the instructor. A limited number of such courses may count toward the graduate degree program provided the student includes these in the approved degree plan and registers for them at the 500 level. Courses taken for graduate credit must be mutually approved by the ATP program director and the chair of the academic department.

# Board of Trustees

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\*Jerry E. Apple (2000)  
Consultant  
Lantana Communications  
Arlington, Texas

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Banking Consultant  
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Houston, Texas

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Attorney  
The Hartnett Law Firm  
Dallas, Texas

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\*Davis B. Price (2002)  
Pastor  
Covenant Presbyterian Church  
Lubbock, Texas

\*Annadele H. Ross (2001)  
Community Volunteer  
Dallas, Texas

Jo Ann Geurin Thetford (2005)  
President  
Southern Bleacher Co.  
Graham, Texas

\*Jesse R. "Ray" Thomas (2000)  
Physician  
Texoma Dermatology Clinic  
Sherman, Texas

Michael G. Wright (2000)  
Partner  
Business Jet Center  
Dallas, Texas

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\*John Q. Adams, Jr. (2006)  
Founder and Managing Partner  
Legacy Capital Partners, L.L.C.  
Southlake, Texas

\*James D. Baskin III (2003)  
Attorney  
Scott, Douglass & McConnico  
Austin, Texas

\*Donald M. Gibson (2007)  
Physician  
Houston Cardiac Surgery Associates  
Houston, Texas

\*Thomas G. Hall, Jr. (2006)  
Attorney  
Fort Worth, Texas

\*Mary Ann Harris (2006)  
Retired Secondary Educator  
Fort Worth, Texas

\*Charles C. Hendricks (2002)  
Retired Pastor  
The Woodlands Community Presbyterian Church  
The Woodlands, Texas

\*Luan Beaty Mendel (2007)  
Community Volunteer  
Palos Verdes, California

Patricia M. Manning-Courtney (2010)  
Associate Professor of Clinical Pediatrics  
Cincinnati Children's Hospital Medical Center  
Cincinnati, Ohio

Kirk Rimer (2010)  
Managing Director  
Crow Holdings  
Dallas, Texas

\*Rebecca Sykes (2010)  
Retired President and Chief Executive Officer  
Dallas Women's Foundation  
Dallas, Texas

Stanley M. "Stan" Woodward (2001)  
Chief Technology Officer  
GoKnow Mobile Learning, Inc.  
Dallas, Texas

Class of 2015

Bill Douglass (2002-2005, 2011)  
Chief Executive Officer  
Douglass Distributing Company  
Sherman, Texas

Linda Morris Elsey (2003)  
Community Volunteer  
Fort Worth, Texas

\*F. R. "Buck" Files (2003)  
Attorney  
Bain, Files, Jarrett & Bain, P.C.  
Tyler, Texas

\*Michael N. Foster, Jr. (2011)  
President  
BASA Resources, Inc.  
Dallas, Texas

\*Dennis E. Gonier (2000)  
CEO

TARP  
Arlington, Virginia

M. Steve Jones (2002)  
President, Sherman Office  
Bank of Texas, N.A.  
Sherman, Texas

Fazlur Rahman (2002)  
Retired Physician  
San Angelo, Texas

Class of 2016

\*John Andersen (2008)  
Professor of Pediatrics and Director of Pediatric Gastroenterology  
UT Southwestern Medical School  
Dallas, Texas

\*Rebecca Moseley Gafford (2004)  
Community Volunteer  
Dallas, Texas

\*Wes Moffett (2008)  
CEO  
Avelo Mortgage  
Irving, Texas

\*Linda Plummer Ward (2004)  
Physician  
Nashville, Tennessee

\*Thomas C. Welfelt (2012)  
Welfelt Interests, LLC  
Dallas, Texas

\*Alumnus/a of Austin College

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\*Alumnus/a of Austin College

# Faculty

## Faculty

In the following listing, the first date, in parenthesis, indicates initial appointment to the college; the second date indicates appointment to the latest rank. Dates of appointment to chairs and professorships are also shown.

### **Emeriti/Emeritae**

Charles Richard Barr (1962)

Professor Emeritus of Chemistry, 1994. B.A., North Central College. M.S., Ph.D., Michigan State University.

Robert Barrie, Jr. (1970)

Professor Emeritus of English, 2007. B.A., Southwestern at Memphis. M.A., Ph.D., University of North Carolina.

Bonnie Jean Beardsley (1960)

Assistant Professor Emerita of Communication Arts, 1984. B.A., Austin College. M.A., University of Colorado. Further graduate study, University of Colorado.

Henry Hale Bucher, Jr. (1985)

Chaplain Emeritus and Associate Professor Emeritus of Humanities, 2004. B.A., American University of Beirut (Lebanon). M.Div., Princeton Theological Seminary. Sorbonne (Paris). M.A., Ph.D., University of Wisconsin, Madison.

Arvid John Carlson (1962)

Professor Emeritus of History, 1994. B.A., M.A., University of Michigan. Ph.D., Princeton University.

Hugh Barnard Garnett (1981)

Professor Emeritus of Economics, 2003. B.A., Yale University. M.Sc., London School of Economics. Ph.D., University of California, Berkeley.

Harry Harold Gibson, Jr. (1967)

Professor Emeritus of Chemistry, 2007. B.A., Emory University. Ph.D., Florida State University.

James David Gray (1978)

Professor Emeritus of English, 2008. B.A., Ph.D., Indiana University.

Clyde Lewis Hall (1950)

Professor Emeritus of Economics and Business Administration, 1988. B.A., Austin College. M.B.A., Texas Christian University. Ph.D., Ohio State University.

Cecil Isaac (1962)

Professor Emeritus of Music, 1996. B.A., Oberlin College. B.M.Ed., Oberlin Conservatory of Music. M.A., M.Phil., Columbia University.

Jack Julian Jernigan (1967)

Professor Emeritus of English, 1989. B.A., Mississippi College. M.A., University of Mississippi. Ph.D., Vanderbilt University.

Thomas Fredric Kimes (1962)

Professor Emeritus of Mathematics, 1992. B.S., Ursinus College. M.A., University of Texas. Ph.D., Carnegie Institute of Technology.

Jerry Bryan Lincecum (1967)

Professor Emeritus of English, 2006. B.A., Texas A&M University. M.A., Ph.D., Duke University.

Peter Gene Lucchesi (1968)

Professor Emeritus of English, 1995. B.A., College of the Holy Cross. M.S., Boston College. Ph.D., University of Wisconsin.

Cynthia M. Manley (1977)

Professor Emerita of French, 2010. B.A., Louisiana State University. M.A., Ph.D., University of Texas at Austin.

Dennis William McLaughlin (1977)

Professor Emeritus of Biology, 1992. B.A., University of California at Berkeley. M.S., Ph.D., University of Nebraska at Lincoln.

Gerald John Middents (1967)

Professor Emeritus of Psychology and Education, 2000. B.S.C., University of Iowa. M.Div., University of Dubuque. M.A., Ph.D., University of Minnesota.

William Hamilton Moore III (1967)

Professor Emeritus of Humanities, 2002. B.A., Southwestern University. M.A., Ph.D., Harvard University.

William Dewey Narramore, Jr. (1975)

Professor Emeritus of Communication Arts, 2005. B.A., Austin College. M.F.A., University of Texas at Austin. Ph.D., Florida State University.

Karen Hancock Nelson (1977)

Professor Emeritus of Psychology, 2012. B.A., Clark University. M.A., Ed.D., Harvard University.

Thomas Wheeler Nuckols (1965)

Professor Emeritus of Religion, 1998. B.A., Tulane University. B.D., Southern Baptist Seminary. Ph.D., Duke University.

Oscar C. Page (1994)

President Emeritus and Professor Emeritus of History, 2009. B.A., Western Kentucky University. M.A., Ph.D., University of Kentucky.

Wilbur Lamar Powell (1976)

Associate Professor Emeritus of Mathematics and Computer Science, 2010. B.A., Austin College. M.S., Southern Methodist University. Further graduate study at the University of Texas at Dallas.

E. Larry Robinson (1969)

Professor Emeritus of Physics, 2011. B.S., M.S., Ph.D., Virginia Polytechnic Institute.

Daniel Mortimer Schores (1969)

Associate Professor Emeritus of Sociology, 1994. B.D., Duke University. M.S., Ph.D., University of Missouri at Columbia.

Kenneth Willow Street (1959)

Professor Emeritus of Political Science, 1998. B.S., M.A., Texas Tech University. Ph.D., University of Texas at Austin.

Paul Leslie Thomas (1963)

Professor Emeritus of Psychology, 1996. B.S., Wayland Baptist College. M.A., West Texas State College. Ph.D., Texas Tech University.

James Hamilton Ware, Jr. (1970)

Professor Emeritus of Philosophy and Religion, 1996. B.A., M.A., Baylor University. B.D., Southern Baptist Theological Seminary. Ph.D., Duke University.

Shelton Lee Williams (1970)

Professor Emeritus of Political Science, 2008. B.A., University of Texas at Austin. M.A., Ph.D., Johns Hopkins School of Advanced International Studies.

### **Teaching Faculty/Administrators With Faculty Rank**

David Patrick Aiello (2010)

Assistant Professor of Biology, 2010. B.A., Western Oregon University. Ph.D., University of Alabama at Birmingham.

Peter Anderson (2006)

Associate Professor of English, 2006-. B.A., University of Witwatersrand. M.A., Ph.D., Boston University.

Ronald David Baker II (2000)

Professor of Physics, 2012-. B.S., University of Texas at Austin. M.S., Ph.D., University of California, Los Angeles.

Elizabeth Banks (2010)

Assistant Professor of Theatre, 2011-. B.A., McMurry University. M.A., Bowling Green State University. M.F.A., University of Kansas.

Justin Cleo Banks (2005)

College Archivist with rank of Assistant Professor, 2005-. B.A., Hillsdale Free Will Baptist College. M.S.L.S., University of North Texas.

Philip W. Barker (2008)

Assistant Professor of Political Science, 2008-. B.A., Texas A&M University. M.A., Ph.D., University of Colorado at Boulder.

Lance Frederick Barton (2003)

Associate Professor of Biology, 2009-. B.S., Dickinson College. Ph.D., University of Cincinnati, College of Medicine.

Nathan Simons Bigelow (2006)

Associate Professor of Political Science, 2012-. B.A., M.A., University of Akron. M.A., Ph.D., University of Maryland.

Aaron David Block (2010)

Assistant Professor of Computer Science, 2010-. B.S., Haverford College. M.S., Ph.D., University of North Carolina at Chapel Hill.

Brett Kirkpatrick Boessen (2004)

Associate Professor of Media Studies, 2010-. B.A., University of Notre Dame. M.A., Ph. D., Indiana University.

Kerry Gail Brock (1990)

Associate Professor of Mathematics, 1994-. B.S., University of Texas at Dallas. M.Sc., University of London. Ph.D., University of Texas at Dallas.

Lisa M. Brown (2004)

Associate Professor of Psychology, 2007-. A.B., Harvard and Radcliffe Colleges. M.A., Ph.D., University of Michigan.

Maria Lourdes Bueno (2000)

Associate Professor of Spanish, 2006-. Title of Licenciado, University of Extremadura. M.A., Michigan State University. Ph.D., Vanderbilt University.

J'Lee Bumpus (2006)

Associate Professor of Mathematics, 2012-. B.A., Austin College. M.S., Ph.D., Texas Tech University.

Kathleen Campbell (1994)

Professor of Theatre, 2006-. B.S., Northwestern University. M.A., Trinity University. M.A., Ph.D., University of Dallas.

Robert Wayne Cape, Jr. (1994)

Professor of Classics, 2006-. B.A., M.A., University of Arizona. M.A., Ph.D., University of California, Los Angeles.

Ruth Cape (2010)

Assistant Professor of German, 2010-. M.A., C. Phil., Ph.D., University of California, Los Angeles.

Andrew J. Carr (2000)

Associate Professor of Chemistry, 2005-. B.A., Illinois Wesleyan University. Ph.D., University of Pittsburgh.

George Truett Cates, Jr. (1979)

Director of Center for Global Learning, 2009. Professor of German, 2002-. A.B., Princeton University. Ph.D., University of Texas at Austin.

Renee A. Countryman (2008)

Assistant Professor of Psychology, 2008-. B.S., M.S., Western Illinois University. Ph.D., Tulane University.

Wayne Tolly Crannell (1995)

Associate Professor of Music, 2000-. B.F.A., M.M., University of Wisconsin-Milwaukee. D.M.A., University of Missouri-Kansas City Conservatory of Music.

Light Townsend Cummins (1978)

Professor of History, 1988-. Guy M. Bryan, Jr., Chair of American History, 1986-. B.S.Ed., M.A., Southwest Texas State University. Ph.D., Tulane University.

Victoria Hennessey Cummins (1978)

Professor of History, 1990-. B.A., University of Maryland. M.A., Ph.D., Tulane University.

Carol Ann Daeley (1973)

Professor of English, 1986-. The Henry L. and Laura H. Shoap Professorship in English, 2008-. B.A., Rutgers University. M.A., Ph.D., University of California, Riverside.

Peter DeLisle (2005)

Director of Posey Leadership Institute with rank of Professor, 2005-. The Leslie B. Crane Chair in Leadership Studies, 2005-. B.A., University of Connecticut. M.S., Central Connecticut State University. Ph.D., University of Texas at Austin.

George Minor Diggs, Jr. (1981)

Professor of Biology, 1993-. The Donald MacGregor Chair in Natural Science, 2012. B.S., M.A., College of William and Mary. Ph.D., University of Wisconsin-Madison.

Daniel L. Dominick (1992)

Associate Professor of Music, 1998-. B.M., Florida Southern College. M.M., Historical Musicology, M.M., Orchestral Conducting, Florida State University. Further graduate study, Florida State University.

Bart Allen Dredge (1994)

Professor of Sociology, 2008-. B.A., Furman University. M.A., Ph.D., University of North Carolina at Chapel Hill.

John Patrick Duffey (1994)

Professor of Spanish, 2007-. Dean of Humanities, 2008-. A.B., Washington University. B.A., University of Texas at Arlington. M.A., Ph.D., University of Texas at Austin.

Ricky Edward Duhaime (1978)

Professor of Music, 1994-. Mildred S. Mosher Professorship of Music, 1993-. B.S., B.A., University of New Hampshire. M.M., University of Illinois. D.M.A., North Texas State University.

Karánn Beth Durland (1996)

Professor of Philosophy, 2009-. B.A., Texas Tech University. M.A., Ph.D., University of North Carolina at Chapel Hill.

Bill Edgette (2003)

Executive Director of Information Technology and Telecommunications with rank of Instructor, 2003-. B.B.A., James Madison University.

Kirk Andrew Everist (2005)

Associate Professor of Theatre, 2010-. B.A., Grinnell College. M.A., Indiana University. Ph.D., University of California, Santa Barbara.

Michael Shawn Fairley (2000)

Associate Professor of Communication, 2005-. Cecil H. Green Professorship in Communication Arts, 2011-. B.A., M.A., University of Arkansas. Ph.D., University of Oklahoma.

Jeffrey M. Fontana (2002)

Associate Professor of Art History, 2007-. Harry E. Smith Distinguished Teaching Professorship, 2008-. B.A., Oberlin College. M.A., Ph.D., Boston University.

Melanie Elizabeth Fox (2005)

Associate Professor of Economics, 2011-. B.A., M.A., Ph.D., University of Houston.

Shannon Elizabeth Fox (2006)

Coordinator of Electronic Services and Collections with rank of Assistant Professor, 2006-. B.A., University of West Florida. M.L.S., North Carolina Central University.

Alessandro C. Garganigo (2003)

Associate Professor of English, 2008-. B.A., Yale University. M.A., Ph.D., Washington University.

Steven Kurt Goldsmith (1993)

Professor of Biology, 2007-. Dean of Sciences, 2007-. B.S., M.S., University of Oklahoma. Ph.D., Arizona State University.

Henry Gorman, Jr. (1973)

Professor of Psychology, 1982-. Herman Brown Chair of Psychology, 1982-. B.A., M.A., Duke University. Ph.D., University of Colorado.

Stephanie L. Gould (2008)

Assistant Professor of Chemistry, 2008-. B.S., Rose-Hulman Institute of Technology. M.S., Ph.D., Arizona State University

David Edwin Griffith (2006)

Professor of Business Administration, 2012-. Jack B. Morris Chair in Entrepreneurial Studies, 2010-. B.S., Southeastern Oklahoma State University. M.B.A., University of Oklahoma. Ph.D., University of Texas at Austin.

Max Grober (1997)

Associate Professor of History, 2001-. A.B., M.A., Ph.D., University of California, Berkeley.

Lawrence Hass (2009)

Professor of Humanities, 2009-. B.A., Ripon College. M.A., Ph.D., University of Illinois at Urbana-Champaign.

Marjorie Hass (2009)

President of Austin College; Professor of Philosophy, 2009-. B.A., M.A., Ph.D., University of Illinois at Urbana-Champaign.

Jessica E. Healy (2012)

Assistant Professor of Biology, 2012-. B.A., Central College. Ph.D., Colorado State University.

Mark Ronald Hébert (1990)

Associate Professor of Philosophy, 1996-. B.A., Santa Clara University. M.A., Ph.D., University of North Carolina at Chapel Hill.

Julie Lynn Hempel (2002)

Associate Professor of Spanish, 2008-. (Director of Center for Southwestern/Mexican Studies). B.A., Eastern Michigan University. M.A., University of Arizona. Ph.D., University of Michigan.

LadyJane Hickey (2006)

Coordinator of Bibliographic Services with rank of Associate Professor, 2007-. B.S.Ed., Tulsa University.

M.L.I.S., Drexel University. M.B.A.,  
St. Mary's University.

Michael A. Higgs (1987)

Associate Professor of Mathematics and Computer Science, 1994-. B.S.E.E., M.S.E.E., Stanford University.

Terry Hoops (1997)

Associate Professor of Anthropology, 2002-. B.A., Wheaton College. M.A., Ph.D., Michigan State University.

Peter Hyland (2011)

Assistant Professor of Physics, 2011-. B.S., Case Western Reserve University. M.A., Ph.D., University of Wisconsin, Madison.

Michael Andrew Imhoff (1970)

Vice President for Academic Affairs and Dean of the Faculty, 1999-. The Rupert B. Lowe Chair of Chemistry, 1995-. Professor of Chemistry, 1979-. B.A., University of California, Riverside. Ph.D., University of Colorado.

James Franklin Johnson (1977)

Professor of Classics, 2001-. B.A., Ph.D., University of Texas at Austin.

Jennifer Thackston Johnson (2010)

Assistant Professor of Chinese, 2010. A.B., Smith College. M.A., Ph.D., University of California, Los Angeles.

Jerry B. Johnson (1983)

Professor of Business Administration and Economics, 1988-. Caruth Chair of Management, 1985-. Dean of Social Science, 2007-. B.A., M.B.A., University of Texas at Arlington. Ph.D., Stanford University.

Gregory S. Kinzer (2006)

Associate Professor of English, 2012-. B.A., Oberlin College. M.F.A., University of Utah. Ph.D., University of Buffalo.

Keith William Kisselle (2003)

Associate Professor of Biology and Environmental Science, 2009-. B.A., DePauw University. M.S., Ohio State University. Ph.D., University of Georgia.

Scott Charles Langton (2002)

Associate Professor of Japanese, 2007-. B.A., University of California, Los Angeles. M.A., Ph.D., Ohio State University.

Wolfgang Lückel (2012)

Assistant Professor of German., 2012-. B.A. (equivalent) Universität Mainz. M.A., Ph.D., University of Cincinnati.

Peter E. L. Marks (2011)

Assistant Professor of Psychology, 2011-. B.A., Pomona College. M.A., Ph.D., University of Minnesota, Minneapolis.

Karla S. McCain (2003)

Associate Professor of Chemistry, 2009-. B.A., Ohio Wesleyan University. Ph.D., University of Utah.

John Richard McGinn (2008)

Assistant Professor of Music, 2008-. B.A., Harvard University. M.A., D.M.A., Stanford University.

Jack G. Mealy (1989)

Associate Professor of Mathematics, 1995-. B.A., Austin College. M.S., Texas Christian University. Ph.D., Rice University.

Bernice Stenman Melvin (1980)

Professor of French, 1989-. Margaret Root Brown Chair of Foreign Languages and Literatures, 1984-. (Robert and Joyce Johnson Center for Faculty Development and Excellence in Teaching). B.A., Western Washington State College. Universite de Grenoble (France). M.A., Ph.D., University of Illinois.

Wayne Edward Meyer (1993)

Associate Professor of Biology, 1999-. B.S., M.S., Ph.D., University of California, Davis.

Mark Monroe (1991)

Associate Professor of Art, 1997-. B.A., Austin College. M.F.A., University of Texas at Austin.

Jacqueline M. Moore (1994)

Professor of History, 2007-. B. A., University of Iowa. M.A., Southern Illinois University. Ph.D., University of Maryland.

David Loyd Norman (1989)

Assistant Professor of Exercise and Sport Science, 1989-. (Director of Athletics). B.A., M.A., Austin College. Further graduate study at University of North Texas.

Danny Lee Nuckols (1987)

Associate Professor of Economics and Business Administration, 1993-. John T. Jones Chair of Economics, 1995-. (Director of Communication/Inquiry Program). B.S., East Texas State University. M.A., Ph.D., University of Texas at Dallas.

Elena M. Olivé (2001)

Associate Professor of Spanish, 2008-. B.A., Texas A&M University. M.A., New York University. Ph.D., University of Kansas.

Todd Charles Penner (1999)

Associate Professor of Religious Studies, 2005-. Gould H. and Marie Cloud Professorship in Religion, 2005-. B.A., Winnipeg Bible College. B.A., M.A., University of Manitoba. Ph.D., Emory University.

Sandy M. Philipose (2010)

Assistant Professor of Education, 2010. B.A., M.A.T., Austin College. Ph.D., Stanford University.

Jack R. Pierce (1967)

Professor of Biology, 1975-. Mary W. and Foster G. McGaw Chair of Health Sciences, 1988-. (Director of Health Sciences Program). B.A., M.A., Western Michigan University. Ph.D., University of Texas at Austin.

Roger S. Platizky (1988)

Professor of English, 2003-. B.A., Rutgers College of Arts and Sciences. M.A., Ph.D., Rutgers University.

Andrew L. Pigott (2012)

Assistant Professor of French, 2012-. B.A., University of South Alabama. M.A., Bryn Mawr College. Ph.D., Johns Hopkins University.

Jeremy D. Posadas (2011)

Assistant Professor of Religious Studies, 2012-. A.B., The University of Chicago. M.Div., Union Theological Seminary. Ph.D., Emory University.

Stephen L. Ramsey (2007)

Associate Professor of Business Administration, 2011-. B.S., B.B.A., Southeastern Oklahoma State University. M.B.A., Texas A&M University-Commerce.

Jennifer Marlene Randles (2011)

Assistant Professor of Sociology, 2011-. B.A., Austin College. M.A., Ph.D., University of California, Berkeley.

Peggy Ann Redshaw (1979)

Professor of Biology, 1990-. B.S., Quincy College. Ph.D., Illinois State University.

Kelynn Elizabeth Reed (1995)

Associate Professor of Biology, 2001-. B.S., Case Western Reserve University. Ph.D., University of Illinois at Urbana-Champaign.

John M. Richardson III (2008)

Assistant Professor of Chemistry, 2008-. B.S., Texas Tech University. Ph.D., Penn State College of Medicine.

Donald M. Rodgers (2003)

Associate Professor of Political Science, 2008-. B.A., Ohio Wesleyan University. M.A., Ph.D., University of Georgia.

Frank J. Rohmer (1988)

Associate Professor of Political Science, 1993-. John D. Moseley Chair in Government and Public Policy, 2011-. B.S., Spring Hill College. M.A., Ph.D., University of Chicago.

Rosemarie Claire Rothmeier (1990)

Director of Psychological Services and Wellness Programs with rank of Assistant Professor, 1994-. B.A., Marymount College. M.A., Ph.D., University of Nebraska-Lincoln.

Donald C. Salisbury (1987)

Professor of Physics, 2009-. B.A., Oberlin College. Ph.D., Syracuse University.

Peter Compton Schulze (1994)

Professor of Biology and Environmental Science, 2007-. (Director of Center for Environmental Studies). B.A., Lawrence University. M.S., University of Wisconsin-Milwaukee. Ph.D., Dartmouth College.

Jill Kathleen Schurr (2005)

Associate Professor of Psychology, 2011-. B.A., University of Texas at Austin. M.S., Ph.D., University of Wisconsin-Madison.

Julia Shahid (1999)

Associate Professor of Education, 2005-. B.S. Ed. University of North Texas. M.S.Ed., Ed.D., Texas A&M University-Commerce.

Kevin M. Simmons (2003)

Professor of Economics, 2009-. Clara R. and Leo F. Corrigan, Sr., Chair in Business Administration and Economics, 2006-. B.B.A., University of Texas at Arlington. M.B.A., Dallas Baptist University. Ph.D., Texas Tech University.

Erin Cople Smith (2012)

Assistant Professor of Media Studies, 2012-. B.A., Denison University. M.A., Ph.D., University of Wisconsin-Madison.

Mark Stephen Smith (1986)

Professor of Art, 2006-. B.F.A., Kansas City Art Institute. M.F.A., Queens College of the City University of New York.

Bradley W. Smucker (2004)

Associate Professor of Chemistry, 2009-. B.S., Wheaton College. Ph.D., Texas A&M University.

Kim Victoria Snipes (1993)

Biology Lab Coordinator and Safety Officer with rank of Adjunct Instructor in Biology, 1995-. B.S., M.S., University of California, Davis. Further graduate study, University of California, Davis and Sierra College.

Howard Allen Starr (1964)

Professor of Psychology and Education, 1975-. B.A., University of Dallas. M.A., Southern Methodist University. Ph.D., East Texas State University.

Roderick M. Stewart (1987)

Professor of Philosophy, 2001-. The George R. and Julia Blucher Jordan Chair in Humanities, 2003-. B.A., Austin College. M.A., Ph.D., Syracuse University.

Barbara Nelson Sylvester (1989)

Associate Professor of Education, 1993-. (Director of Austin Teacher Program). B.S., University of Nebraska. M.Ed., North Texas State University. Ph.D., University of North Texas.

Randi Lynn Tanglen (2008)

Assistant Professor of English, 2008-. B.A., Rocky Mountain College. M.A., University of Montana. Ph.D., University of Arizona.

Anthony Charles Tanner (1984)

Associate Professor of Chemistry, 1988-. B.A., Washington University. M.A., Ph.D., Brandeis University.

T. Hunt Tooley (1991)

Professor of History, 2002-. B.A., M.A., Texas A&M University. Ph.D., University of Virginia.

Timothy Charles Tracz (1986)

Professor of Art, 2005-. Craig Professorship in the Arts, 2006-. B.S., Pennsylvania State University. M.F.A., Tyler School of Art.

Andra Petrean Troncalli (2004)

Associate Professor of Physics, 2010-. B.S., University of Bucharest. M.A., Ph.D., Western Michigan University.

Ivette Maria Vargas-O'Bryan (2003)

Associate Professor of Religious Studies, 2008-. B.A., Barnard College. M.A., Ph.D., Harvard University.

Carolyn S. Vickrey (1996)

Associate College Librarian with rank of Assistant Professor, 2006-. B.A., M.L.S., Louisiana State University. Ph.D., New Mexico State University.

John Richard West (1984)

College Librarian and Director of Abell Library with rank of Associate Professor, 2005-. B.A., LaGrange College. M.L.S., University of Pittsburgh.

Jane H. White (1994)

Associate Professor of Education, 1997-. B.S., M.S., Ph.D., Southern Illinois University.

John Elmer White (1980)

Associate Professor of Education, 1987-. B.A., M.S.Ed., Ph.D., Southern Illinois University.

Everett Don Williams (1970)

Professor of Mathematics, 1981-. Chadwick Chair in Mathematics, 1993-. B.S., Southwestern University. Ph.D., Texas Tech University.

Dan Zhao (2012)

Assistant Professor of Economics, 2012-. B.S., Central University of Finance and Economics. M.A., Ph.D., University of Kentucky.

### **Visiting and Adjunct Faculty**

Robert J. Archer, Jr.

Adjunct Instructor in Music. B.M.Ed., M.M., East Texas State University.

Manijeh Badiie

Visiting Assistant Professor of Psychology. B.A., Austin College. M.A., St. Edwards University. Ph.D., University of Nebraska-Lincoln.

Paul Burns

Adjunct Assistant Professor of Exercise and Sport Science. B.A., Staffordshire University. M.Ed., University of Missouri-Columbia.

Jesús Carrasco

Adjunct Instructor in Spanish. Title of Licenciado, University of Extremadura. M.A., Michigan State University.

Ekaterina Chernaya-Oh

Adjunct Assistant Professor of Music. B.M., College of Music-Penza, Russia. M.M., Saratov Sobinov State Conservatory. D.M.A., University of North Texas.

Austin Coachman

Adjunct Assistant Professor of Exercise and Sport Science. B.A., M.A.T., Austin College.

Jaelyn Davis

Adjunct Assistant Professor of Exercise and Sport Science. B.A. Waterbury College. M.A., Boston University.

Loren Dawson

Adjunct Assistant Professor of Exercise and Sport Science. B.A., M.Ed., Arizona State University.

Osvaldo de la Torre

Visiting Assistant Professor of Spanish. B.A., Baylor University. M.A., University of Notre Dame. Ph.D., Cornell University.

Michelle B. Filander

Adjunct Assistant Professor of Exercise and Sport Science. B.A., Ohio Wesleyan University. M.S., West Virginia University.

Debra L. Flowers

Adjunct Instructor in Communication Studies. B.A., M.A., University of North Texas.

Karen L. Glenn

Adjunct Instructor in Chemistry. B.S., Southeastern Oklahoma State University. M.S., Oklahoma State University.

Teresa Hall

Adjunct Assistant Professor of Exercise and Sport Science. B.S., Texas Woman's University. M.S., University of North Texas. Doctoral candidate, Texas Woman's University.

Cecilia Hamilton

Adjunct Instructor in Music. B.S., University of Alabama. M.M., University of North Texas.

Matthew Hanley

Adjunct Instructor in Business Administration. B.A., Austin College. Further graduate study at Texas A&M University, Commerce.

Michele Cox Helfrich

Adjunct Assistant Professor of Psychology. B.A., University of Oklahoma. M.S., Ph.D., Purdue University.

Dorothy Hosek

Adjunct Instructor in French. B.S., University of Texas at Austin. M.A., University of Texas at Arlington.

Ida Hudgins

Adjunct Instructor in Spanish. B.A., Baylor University. M.A., University of North Texas.

Kelly Cuppy Hudgins

Adjunct Instructor in English. B.A., Austin College. M.A., doctoral candidate, Rice University.

Mark Hudson

Adjunct Instructor in Exercise and Sport Science. B.A., Centre College. M.S., Virginia Commonwealth University.

Rebecca Lehmann

Visiting Assistant Professor of English. B.A., University of Wisconsin. M.F.A., University of Iowa. Ph.D., Florida State University.

Xiaoxiang Liu

Adjunct Instructor in East Asian Languages. B.A., Shanghai International Studies University. B.A., M.A., University of Oregon.

Mary Nickell

Adjunct Assistant Professor of Exercise and Sport Science. B.A., M.A., Austin College.

Paul Onspaugh

Adjunct Instructor in Music. B.M.Ed., Central State University.

Amanda Parsley

Adjunct Assistant Professor of Exercise and Sport Science. B.S., South Dakota University. M.S., Arizona State University.

Paulette Pitt

Adjunct Assistant Professor of Psychology. B.A., University of Texas at Dallas. M.Ed., University of North Texas. Ph.D., Texas Woman's University.

Catherine A. Price

Adjunct Instructor in English. B.A., Case Western Reserve University. M.A., doctoral candidate, University of Wisconsin-Madison.

Cathy Lynn Richardson

Adjunct Instructor in Music. B.M., M.M., doctoral candidate University of North Texas.

Sylvia Rivers

Adjunct Instructor in Music. B.M. Ed., Abilene Christian University. M.A., Texas Woman's University.

Georg Schild

Visiting Assistant Professor of History. B.A. (equivalent), M.A., Universität Berlin. Ph.D., University of Maryland.

Michael Silva

Adjunct Instructor in Exercise and Sport Science. B.A., McPherson College.

Brandon Stewart

Adjunct Instructor in Music. B.M., University of Alabama. M.M., Texas Tech University. Doctoral candidate, University of North Texas.

Kristen L. Streater

Adjunct Assistant Professor of History. B.A., Austin College. M.A., Louisiana Tech University. Ph.D., University of Kentucky.

Michael V. Walker

Adjunct Instructor in Music. B.M., University of North Texas. M.M., Kansas State Teacher's College.

Rodney Wecker

Adjunct Assistant Professor of Exercise and Sport Science. B.A., Metropolitan State College. M.A.T., Whitworth College.

Cathy J. Weems

Adjunct Assistant Professor of Education. B.A., M.Ed., Ph.D. University of North Texas.

Jacob P. Willrich

Adjunct Assistant Professor of Exercise and Sport Science. B.S., Truman State University. M.S., Northwest Missouri State University.

Cedra Wood

Visiting Assistant Professor of Art. B.A., Austin College. M.F.A., University of New Mexico.

Brian V. Wright

Adjunct Assistant Professor of Exercise and Sport Science. B.S., State University of New York College at Brockport. M.S., Ph.D., Indiana University.

Timothy Yourison

Adjunct Assistant Professor of Exercise and Sport Science. B.A., Luther College. M.S., Western Illinois University.

# Administration

## Administration

### **President of the College**

Marjorie Hass

### **Vice President for Academic Affairs and Dean of the Faculty**

Michael A. Imhoff

College Librarian

John West

Dean of Humanities

Patrick Duffey

Dean of Sciences

Steven Goldsmith

Dean of Social Sciences

Jerry Johnson

Director of Communication/Inquiry Program

Danny Nuckols

Director of the Center for Global Learning

Truett Cates

Director of Institutional Research & Registrar

Texas Rüegg

Director of The Robert and Joyce Johnson Center for Faculty Development and Excellence in Teaching  
Bernice Melvin

Executive Director of Information Technology  
Bill Edgette

**Vice President for Student Affairs and Athletics**

Timothy P. Millerick

Director of Athletics  
David Norman

Chief of Campus Police  
James Perry

Director of Academic Skills Center  
Laura Marquez

Director of Career Services  
Margie Norman

College Chaplain and Director of Church Relations  
John Williams

Director of Dining Services  
Todd Robison

Director of Health Sciences Advising  
Jack Pierce

Director of Health Services  
Kathy Matthews

Director of Psychological Services and Wellness Programs  
Rose Rothmeier

Director of Recreational Sports  
Mark Hudson

Director of Student Life  
Michael Deen

**Vice President for Business Affairs**

Heidi B. Ellis

Associate Vice President for Business Affairs  
Sheryl Bradshaw

Director of Human Resources  
Keith Larey

Executive Director of Facilities  
John Jennings

**Vice President for Institutional Advancement**  
Brooks A. Hull

Senior Associate Vice President for Institutional Advancement  
Cary Wacker

Associate Vice President for Institutional Advancement/Alumni Engagement  
Paula Jonse

Associate Vice President for Institutional Advancement/Estate Planning & Gratitude Programs  
Jennifer Pearson

**Vice President for Institutional Enrollment**  
Nan Davis

Assistant Vice President for Institutional Enrollment  
and Executive Director of Financial Aid  
Laurie Coulter

Executive Director of Transfer and International Student Admission  
David Dillman

Assistant Vice President  
Matthew Krov

Director of Admission  
Baylee L. Kowert

Director of Admission  
Amanda Kisselle

## **Honorary Degrees**

### **Honorary Degrees and Awards**

HONORARY DEGREES

MAY 13, 2012

Doctor of Divinity

Robert Samuel Crilley  
Pastor  
First Presbyterian Church  
Grapevine, Texas

Stan W. Fornea  
Chaplain, White House Military Office  
Washington, D.C.

Carroll Lamar "Bud" Pickett '54  
Retired Chaplain  
Texas Department of Criminal Justice Prison System  
Kerrville, Texas

HOMER P. RAINEY AWARD

APRIL 19, 2012

George M. Diggs, Jr.  
Professor of Biology  
Austin College

# Degrees Conferred

## Degrees Conferred

### Master of Arts in Teaching

August 19, 2011

Lisa Marie Tillett  
EC thru 6th Grade Generalist  
Van Alstyne, Texas

January 24, 2012

Anna Barbara Covington  
EC thru 6th Grade Generalist  
Allen, Texas

Nicole Valan Gilliam  
EC thru 6th Grade Generalist  
Denison, Texas

Lila Kay Hranitzky  
EC thru 6th Grade Generalist  
Dallas, Texas

Emmet Collins Thompson II  
All-Level Physical Education  
Coppell, Texas

Angela May Wheeler  
EC thru 6th Grade Generalist  
Houston, Texas

Travis Douglas Zambiasi  
Grades 4 thru 8 Eng LA & Reading  
Gunter, Texas

**May 13, 2012**

Meaghan Marie Gomm  
EC thru 6th Grade Generalist  
Houston, Texas

Nicole Hassumani-Carter  
Grades 4 thru 8 Eng LA & Reading  
Houston, Texas

Ashley Lyn Johnson  
EC thru 6th Grade Generalist  
Cedar Park, Texas

Priscilla C Lo  
EC thru 6th Grade Generalist  
Plano, Texas

Lauren Renae Northup  
EC thru 6th Grade Generalist  
Bedford, Texas

Chelsea Jean Parker  
All-Level Physical Education  
Quinlan, Texas

Samantha Ann Smith  
All-Level Physical Education  
Colleyville, Texas

Nicholas Joseph Timmerman  
All-Level Music Education  
Carrollton, Texas

Joseph Andrew Whatley  
Grades 8 thru 12 History  
Arlington, Texas

Joshua David Willis  
All-Level Physical Education  
Harrison, Arkansas

**Bachelor of Arts**

**August 19, 2011**

Kathryn Anne Barrett  
Psychology and Sociology  
Plano, Texas

Taylor Emerson Browne  
English  
Austin, Texas

Kara Elizabeth Causey  
Economics and Business Administration  
McKinney, Texas

Marcus Allen Gomez  
History  
Fort Worth, Texas

Gaston Gregory Gonzalez  
Environmental Studies  
San Antonio, Texas

Amber E. Jackson  
Communication Studies and French  
Houston, Texas

Diana Juarez  
Spanish  
Dallas, Texas

Mallory Paige Latham  
Religious Studies  
Lewisville, Texas

Alexander Barry Mannari  
Business Administration  
Frisco, Texas

Cameron Baum Meyer  
Environmental Studies  
Montgomery, Texas

Daniel Thomas Mikelonis  
English  
Allen, Texas

Sunna Quazi  
Economics and Political Science  
Murphy, Texas

Clare Michelle Rushing  
Art and English  
Allen, Texas

Aaron Nicholas Woods  
Physics  
Forney, Texas

**January 24, 2012**

Kiarash Alborz  
Political Science  
Plano, Texas

Saikrishna Balasubramanian  
International Relations  
Cum Laude  
Plano, Texas

Bianca Amber Banek  
Business Administration and Sociology  
Cum Laude  
Austin, Texas

Tyler Dean Brantley  
Political Science  
Fort Worth, Texas

Catherine Anne Chauncey  
History  
Cum Laude  
Denison, Texas

Gunjan Atul Chitnis  
Biology and French  
Magna Cum Laude  
Irving, Texas

Patrick William Coleman  
Business Administration  
Arlington, Texas

Cassandra Leigh Coplin  
Anthropological Studies and English  
Lewisville, Texas

Neema Dad  
Business Administration and Biology  
Summa Cum Laude  
Plano, Texas

Mandy Laurel Dewey  
Business Administration  
Cum Laude  
Whitesboro, Texas

Lillie Angeline Fasullo  
English  
El Lago, Texas

Chelsea Rachelle Freeland  
History  
Magna Cum Laude  
Charleston, Illinois

Michael Brogan Funderburg  
Business Administration  
Frisco, Texas

Abigail Oralia Gonzalez  
Sociology  
Cedar Hill, Texas

George Nathaniel Grayson  
New Media Journalism  
Cum Laude  
Wylie, Texas

Shantanu Guha  
Biology  
McKinney, Texas

Gregory Waylan Harrell  
History  
Plano, Texas

James Ryan Hartless  
Computer Science  
De Soto, Texas

Timothy Scott Hixon  
Japanese Studies  
Cum Laude  
Irving, Texas

Brittany Alyse LaFollett  
Sociology  
Sherman, Texas

Cayce Lynn Lay  
Business Administration  
Fort Worth, Texas

Morgan Leigh McCoy  
History  
Rockwall, Texas

Erica Margaret McDaniel  
Psychology  
Georgetown, Texas

Katelin Quinn McKee  
History  
Plano, Texas

Christopher David Melton  
Psychology and Spanish  
Cum Laude  
Sherman, Texas

Lauren Danielle Morales  
Business Administration  
Sherman, Texas

Sara Jane Mosier  
Communication Studies  
Argyle, Texas

Christopher Andrew Mullins  
Environmental Studies  
Sherman, Texas

Emma Laura Niewald  
French and International Relations  
Cum Laude  
Irving, Texas

Taylor A. Penn  
Business Administration  
Van Alstyne, Texas

Mai Thao Pham  
Psychology  
Summa Cum Laude  
Flower Mound, Texas

Alison Carter Ryan  
Business Administration  
McKinney, Texas

Andrea Lauren Schneider  
English  
Summa Cum Laude  
Honors in English  
Austin, Texas

Tiffany Shim  
Psychology

Magna Cum Laude  
Dallas, Texas

June Allison Taylor  
History  
Cum Laude  
Krum, Texas

Dhvanil Kunjan Thakor  
Biology  
Plano, Texas

Veronica Leticia Velasquez  
Anthropological Studies and Environmental Studies  
San Antonio, Texas

Ryan Andrew Vicksell  
English and History  
Magna Cum Laude  
Carrollton, Texas

**May 13, 2012**

Summer Nadia Abubaker  
Psychology  
Summa Cum Laude  
Murphy, Texas

Hannah Nicole Alexander  
Political Science and Spanish  
Magna Cum Laude  
Coppell, Texas

Yang An  
Business Administration and Mathematics  
Cum Laude  
Huffman, Texas

Mitchell Gregory Anderson  
Business Administration  
Orange City, Florida

Antonia Teresa Arias  
Business Administration and Communication Studies  
Sherman, Texas

Priscilla Ayala  
Communication Studies  
Waco, Texas

Samuel Glenn Baggett  
Biochemistry  
Denton, Texas

HyangMok Baik  
Biological Sciences  
Benbrook, Texas

Katelyn Hillary Bassett  
Psychology  
Dallas, Texas

Carmen Suzanne Beltran  
Economics and Business Administration  
Cum Laude  
Houston, Texas

Alexander Patrick Benat  
Physics  
Dallas, Texas

Zackery Erich Bengston  
Mathematics  
Cum Laude  
Kempner, Texas

James Zachary Benson  
History  
Austin, Texas

Rhea Patrick Bermel  
Exercise Science & Sport Science/Psychology  
Farmers Branch, Texas

Zachary Kyle Bierman  
Economics  
Austin, Texas

Bryan David Botello  
History and International Relations  
Allen, Texas

Courtney Lynn Bowman  
Mathematics  
Lewisville, Texas

Laramie Anne Bradford  
Middle Eastern Studies and Political Science  
Garland, Texas

Michael Tyler Brannen  
Economics and Mathematics

Magna Cum Laude  
Plano, Texas

Nicole Heather Breckling  
Mathematics  
Summa Cum Laude  
Richardson, Texas

Megan Joan Brogan  
Psychology  
Magnolia, Texas

Alexandra Dianne Brown  
Sociology  
Heath, Texas

Michael Howard Brown  
History  
Lewisville, Texas

Michela Lynne Brumfield  
Chemistry  
Trenton, Texas

Emily Quinn Brzuzy  
Exercise & Sport Science/Psychology  
Huffman, Texas

Andrew Boyd Burke  
International Relations  
Midlothian, Texas

Cullen Calabria  
Business Administration  
Paris, Texas

Angeli Gaviola Camenforte  
Psychology  
Allen, Texas

Marie Anneliese Carter  
Japanese Studies  
Arlington, Texas

Reo Sloan Casey  
English and French  
Fairview, Texas

Shelley Alexandra Casey  
Political Science  
Albuquerque, New Mexico

Luis Carlos Castillo  
Business Administration  
Kingwood, Texas

Vanessa Andrea Castro  
Non-profit Organizations & Policy and French  
Plano, Texas

Hira Batool Chowdhary  
Biochemistry and Sociology  
Plano, Texas

Alexander Matthew Clark  
Political Science  
Magna Cum Laude  
Sherman, Texas

Jeffrey W Clark  
Philosophy  
Landstuhl, Germany

Joshua Alan Clarke  
Biology  
Sherman, Texas

Thomas G. Clayton  
Political Science  
Austin, Texas

Elizabeth Grace Cline  
Psychology  
Dallas, Texas

Courtney Ann Converse  
Psychology  
Greenville, Texas

Kayla Elizabeth Cook  
Biochemistry  
Howe, Texas

Kimberly Wi Cook  
Biology and History  
Coppell, Texas

Melanie Kristine Daughtrey  
Psychology  
Sherman, Texas

Robert Andrew Davee  
Biology

Summa Cum Laude  
Seabrook, Texas

Bridgette Marie Deem  
Biology/Exercise & Sport Science and Psychology  
Cum Laude  
Fort Worth, Texas

Anne Marie Deming  
Chinese Studies and International Relations  
Cum Laude  
Granbury, Texas

Parneet Kaur Dhaliwal  
Biology and Spanish  
Frisco, Texas

Ailinh Le Do  
Biomechanics  
Magna Cum Laude  
Plano, Texas

Christopher Bryan Donovan  
Environmental Studies and Political Science  
Summa Cum Laude  
Mansfield, Texas

Lauren Mikal Dorsett  
Physics  
Lubbock, Texas

Michael Blake Doughty  
Political Science  
Meridian, Texas

James Samuel Isaac Duncan  
Business Administration and Physics  
Greenville, Texas

Agathe Marie Dupart  
Asian Studies  
Richardson, Texas

Christopher Michael Eckert  
Biology  
Magna Cum Laude  
Austin, Texas

Margaret Clark Edwards  
Communication Studies  
Magna Cum Laude  
McKinney, Texas

Emily Grayson Eldridge  
History  
Sherman, Texas

Devanie Kristina Emms  
Communication Studies and Political Science  
Arlington, Texas

Kenneth Chukwuma Eneh  
Economics and Business Administration  
Krum, Texas

Cassandra Kaye Ensminger  
Environmental Studies  
Plano, Texas

Amanda Ruth Eyer  
History  
Magna Cum Laude  
Keller, Texas

Marian Elizabeth Fields  
English  
Dallas, Texas

Gregory Clay Fife  
Business Administration and Political Science  
Sherman, Texas

Kristofer K. Fitzpatrick  
Mathematics  
Magna Cum Laude  
Flower Mound, Texas

Jessica Susan Fleming  
Psychology  
Lucas, Texas

Joshua Brian Foster  
Biology and Psychology  
Cum Laude  
Honors in Psychology  
Honey Grove, Texas

Richard Sparre Foster III  
Psychology  
San Antonio, Texas

Lee T. Frank  
Psychology  
Round Rock, Texas

Brittany Megan Frasier  
Psychology  
Fort Worth, Texas

Anne-Alise Fritsche  
Philosophy  
Magna Cum Laude  
Gilmer, Texas

Ryan Jordan Gant  
Business Administration and Computer Science  
Sherman, Texas

Corbin James Gass  
Business Administration  
Cypress, Texas

Ashleigh Nicole Gonzales  
Psychology  
Wylie, Texas

Eric Kyle Gordon  
History  
Colleyville, Texas

Robyn Elizabeth Gorton  
Psychology  
Denton, Texas

Grant Joseph Gosselin  
Business Administration  
Phoenix, Arizona

Joshua Michel Greilich  
Chemistry  
Magna Cum Laude  
Dallas, Texas

Astrid Grouls  
Biology  
Summa Cum Laude  
Honors in Biology  
The Woodlands, Texas

Samiksha Gupta  
Biology  
Summa Cum Laude  
Eules, Texas

Megan Marie Haase  
History  
Frisco, Texas

Leisel Paige Hance  
Business Administration  
Durant, Oklahoma

Seth Jordan Hanna  
Biochemistry  
San Antonio, Texas

Carly Elizabeth Hayworth  
History  
Cum Laude  
Longview, Texas

Katelyn Marie Heath  
French and International Relations  
Cum Laude  
Weatherford, Texas

Katie Joyce Hendrickson  
Business Administration  
Pasadena, Texas

Lindsay Lee Heuertz  
Asian Studies  
Plano, Texas

Erika Paige Higginbotham  
Exercise & Sport Science/Psychology  
McKinney, Texas

Sarah Elizabeth Hilz  
Psychology  
Sherman, Texas

Kristen Ashley Holcomb  
Biology  
Denison, Texas

Michael Christopher Holcomb  
Mathematics and Physics  
Denison, Texas

Alicia Michelle Houser  
African Studies and International Relations  
Summa Cum Laude  
Honors in Political Science  
Canyon, Texas

Shireen E. Jahedkar  
Psychology  
College Station, Texas

Neelam Jasmine James  
Biochemistry  
Montgomery, Texas

Andrew Steven Jaremski  
Biology and Psychology  
Rowlett, Texas

Clarissa Leeann Johnson  
English  
Summa Cum Laude  
Ardmore, Oklahoma

Courtney Ann Johnson  
Business Administration  
The Woodlands, Texas

Jessica Brooke Johnson  
Spanish  
Tom Bean, Texas

Matthew James Johnstone  
English  
Spring, Texas

Ashley A Jones  
Art and Psychology  
McKinney, Texas

Brian Leon Kamras  
Chemistry  
Sherman, Texas

Umair Karim  
Business Administration and Political Science  
Sherman, Texas

Manasa Karumuri  
Biology  
Cum Laude  
Corsicana, Texas

Coral Kennelty-Cohen  
Psychology and Sociology  
Long Beach, New York

Ellen Marie Kenzora  
French and Mathematics  
St. Louis, Missouri

Carla Christine Khalaf  
Biology

Summa Cum Laude  
Honors in Biology  
Sherman, Texas

Wajiha Khan  
Chemistry and Psychology  
Little Elm, Texas

Sara Patterson Kieschnick  
Biology  
Magna Cum Laude  
Plano, Texas

Eun Chong Kim  
Economics  
Irving, Texas

Justin Jisu Kim  
Int'l Economics and Finance  
Irving, Texas

Juanita Grace Knott  
Environmental Studies  
Dallas, Texas

Chandler Hays Knox  
Psychology  
Dallas, Texas

Nicole Marie Kolodetsky  
English  
North Richland Hills, Texas

Michael Alexander Kowalski  
Psychology  
Allen, Texas

John Robert Krier  
Computer Science  
Wayzata, Minnesota

Sharika Sree Kumar  
Business Administration  
Carrollton, Texas

Kevin K. Kurian  
Biochemistry and Psychology  
Cum Laude  
Carrollton, Texas

Robert Gregory Lamilla  
Business Administration and Spanish  
Coppell, Texas

Johnny Ray Lara  
Business Administration and Psychology  
El Paso, Texas

Whitney Lynn Larson  
Biomechanics  
San Antonio, Texas

Madeleine Claire Levin  
Psychology  
Holly Lake Ranch, Texas

Leah Louise Lorenz  
History  
San Luis Obispo, California

Allison Christine Lowe  
English and History  
Magna Cum Laude  
Honors in English  
Coppell, Texas

Braydon Michael MaQuar  
Business Administration  
Forney, Texas

Justin Ray Martin  
Economics  
Gunter, Texas

Tanner D. Martin  
Exercise & Sport Science/Psychology  
Granbury, Texas

Kersti Ann Marusich  
Psychology  
El Paso, Texas

Laura Anne Massey  
Art  
Fort Worth, Texas

Timothy Kyle Matthews  
Environmental Studies  
Loveland, Colorado

Gabrielle Elizabeth Mavelian  
Biology/Exercise & Sport Science

Magna Cum Laude  
Dallas, Texas

Andrew Redmond McColloch  
Biology  
Celina, Texas

Daryl Wayne McKee  
Biochemistry  
Klondike, Texas

Komal Mukesh Mehta  
Spanish and Biochemistry  
Cum Laude  
Plano, Texas

Olivia Marie Melito  
Exercise & Sport Science/Psychology  
Keller, Texas

Victor Abraham Menaldo  
Economics and German  
Laredo, Texas

David Mendez  
Psychology  
Cum Laude  
Dallas, Texas

Christine Nel Middleton  
Biology  
Cedar Park, Texas

Gregory Ryan Millerick  
History  
Sherman, Texas

Erin Nicole Moler  
Sociology  
Carrollton, Texas

Trisha Mondal  
French and Int'l Economics and Finance  
Plano, Texas

Gabriel Montoya  
History and Political Science  
Cum Laude  
Plano, Texas

Ryan Patrick Moore  
Communication Studies  
San Antonio, Texas

Elise O'Donnell Morneau  
Political Science  
Sugar Land, Texas

Michael James Mortensen  
Environmental Studies and Political Science  
Lucas, Texas

Chase William Muder  
Business Administration  
Cum Laude  
Lawrence, Kansas

Savannah Elizabeth Murphy  
Biology  
Dallas, Texas

Cassandra Navarrete  
Psychology and Spanish  
Lake Jackson, Texas

William A. Navey  
Computer Science  
San Antonio, Texas

Thy Uyen Nguyen  
Psychology  
Grand Prairie, Texas

Courtney Lanell Nitson  
Psychology  
Willis Point, Texas

Kendra Leigh Norris  
Psychology  
Colleyville, Texas

Clayton D. Norton  
Religious Studies and Psychology  
Austin, Texas

Elizabeth Rhae Oltman  
Communication Studies and Political Science  
Sherman, Texas

Shukan Suketu Patel  
History

Cum Laude  
Plano, Texas

Jon Anderson Payne  
Chemistry  
Cum Laude  
Texarkana, Texas

Vanessa Marie Perales  
Psychology  
El Paso, Texas

Tajin Juan Perez  
History  
Worland, Wyoming

Kallison Faith Pope  
Psychology  
Cum Laude  
Amarillo, Texas

Kellan Elizabeth Pope  
Psychology and Sociology  
Cum Laude  
Amarillo, Texas

Alexandria Beth Preas  
Community Service & Policy  
Cooper, Texas

Saifuddin Mohammed Quraishi  
Political Science  
Cum Laude  
Beaumont, Texas

Kalyn Mary Rabuse  
Asian Studies and International Relations  
Magna Cum Laude  
Dallas, Texas

Christian Chanel Rafie  
Political Science  
Frisco, Texas

Ramya Kavesary Raghavan  
Psychology  
Cum Laude  
West Chester, Ohio

Alexandra Eusebia Rangel  
Chemistry  
Carrollton, Texas

Alyssa Maria Rangel  
Psychology  
Carrollton, Texas

George Einar Ray  
Biology  
Richardson, Texas

Matthew Scott Rome  
Business Administration  
Sherman, Texas

Michael Quinn Roos  
History  
Magna Cum Laude  
Richardson, Texas

Melissa Austin Ross  
Biology  
Howe, Texas

Catherine Roxanne Ruiz-Esparza  
Sociology  
Garland, Texas

Adani Sanchez  
Classics and Political Science  
Cum Laude  
Sherman, Texas

Christina Marie Sanchez  
Communication Studies and Spanish  
Cum Laude  
Irving, Texas

Joshua Allen Saunders  
Business Administration  
Athens, Texas

Jordan Travis Schell  
Business Administration  
Mesquite, Texas

John Robson Schulmeister  
Int'l Economics and Finance  
Cum Laude  
Allen, Texas

Alyssa Noelle Schultz  
French and Sociology  
Houston, Texas

Bridget Nicole Scott-Shupe  
Art  
Fort Worth, Texas

Katherine Mae Senor  
Spanish and Political Science  
Fayetteville, Arkansas

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