

THE LEADERSHIP COLLEGE

WILLIAM JEWELL COLLEGE

CATALOG
1994 - 1995



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DISCOVER

THE LEADERSHIP COLLEGE

As a new or returning student, you are preparing to embark or are continuing on your journey of exploration into the boundless possibilities of the human experience. The information on the following pages provides you with a kind of road map, a few benchmarks, that will guide you along the way.

William Jewell was founded by the Baptists of Missouri in 1849 and named in honor of Dr. William Jewell, frontier statesman, physician, and benefactor. William Jewell College was the first

four-year men's college west of the Mississippi.

The college became co-educational in 1921.

Located in Liberty, Missouri, a friendly town of about 20,000 people, William Jewell's main campus consists of 106 wooded acres perched atop rolling hills northeast of downtown Kansas City. Students at William Jewell enjoy the best of two worlds—a scenic campus, ideal for quiet study and contemplation, along with the energizing presence of a vital city just 15 minutes away.

The mission of William Jewell College is:

To provide a sound liberal arts education of superior quality.

As a respected institution of higher learning,

William Jewell College endeavors to provide a breadth of stimulating, intellectual experiences which challenge the individual to become a thoughtful and self-disciplined person, responsive and sensitive to the needs of society.

To provide unique and significant educational, cultural and social services to the broader communities of Liberty, Kansas City, and the world at large.

As an institution supportive of public service to the community at large, the college upholds its unique commitment to exceptional cultural and educational opportunities. Programs are offered to contribute in the intellectual, emotional, spiritual, cultural, social and physical development of individuals as the college seeks to operate as a positive agent of change both on campus and in the larger community.

To be an institution loyal to the ideals of Christ, demonstrating a Christian philosophy for the whole of life and expressing the Missouri Baptist heritage which is the foundation of the college.

As a community in which the Christian

commitment of the members exemplifies the compatibility of sound scholarship and the Christian faith in daily life, the college challenges the individual to embrace a value system advocating caring relationships and social concern.

William Jewell College is an independent, church-related institution which emphasizes the finest of its Baptist heritage, and seeks new methods of communicating the Christian faith to each generation. As the steward of substantial denominational resources, the college is committed to the preparation of students entering church-related vocations, as well as students destined to be lay leaders in the denomination.

Your journey has begun. We challenge you to make the most of the opportunities that lie ahead. For in facing the challenges of the present, you are following a path that extends to the limitless horizons of your future.



Equal Opportunity

William Jewell College is a private and independent institution affiliated with the Missouri Baptist Convention and American Baptist Churches in the U.S.A. William Jewell College does not discriminate on the basis of race, color, age, religion, sex, national origin or physical handicap in its educational programs, activities or employment policies, in accordance with federal, state and local laws.

Accreditation

William Jewell College is accredited by the North Central Association of Colleges and Schools. The following departments are also accredited: education by the Missouri Department of Elementary and Secondary Education; music by the National Association of Schools of Music; nursing by the Missouri State Board of Nursing and the National League for Nursing.

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In this and all publications at William Jewell College, the word "he" is used as a gender inclusive pronoun.

WILLIAM JEWELL COLLEGE • 500 COLLEGE HILL • LIBERTY, MISSOURI 64068 • (816) 781-7700

Student Information

Student Information

William Jewell College encourages applications from students who are serious about enrolling in a coeducational liberal arts college, and who have given indication in their secondary school experience that they are sufficiently mature to profit from and contribute to the college. Admission to William Jewell College is on a selective basis. Owing to the limited number of spaces in the freshman class, students are encouraged to apply for admission early in their senior year of high school.

Requirements for Admission

The Admission Committee considers the following factors in admitting students to the college:

- Class standing based on a current high school transcript;
- Scores from the SAT or ACT;
- Recommendation by two persons who can write knowledgeably about the applicant's academic abilities and qualities of character.

The college strongly recommends that graduates from accredited high schools have 20 units of high school credit according to the following:

- 4 units of English. Two must emphasize composition or writing skills; one unit may be in speech or debate.
- 4 units of mathematics. Algebra I and higher units must be used to meet the requirement.
- 3 units of science. General science is not included; one unit must be a laboratory science.
- 3 units of social studies.
- 2 units of a foreign language.
- 1 unit of fine arts.
- 3 additional units selected from the areas above.

Admission is open to all students meeting these standards regardless of race, religion, creed or national origin.

Individual consideration is given to veterans and other mature applicants who may not meet all requirements. The college reserves the right to deny admission to any applicant whose academic history or personal qualifications are judged to be unsuitable for college work and living at William Jewell.

The college recognizes credits earned through the International Baccalaureate and many advanced placement programs, to be allocated at the individual department's prerogative.

Early Admission

High school students demonstrating exceptional academic ability may take eight credit hours during the summer session following their junior year. Following graduation and enrollment in William Jewell, the credit will be recorded on the official college transcript. Students attending William Jewell the summers following their junior and senior years in high school may enter college in September with 16 semester hours of college credit already earned.

Application Procedure

A candidate for admission is requested to submit:

1. A completed application for admission (available from the William Jewell College admission office). A \$25 nonrefundable fee must accompany each application before processing begins.
2. An official copy of the high school transcript or a record of credits from other post-secondary institutions.
3. The report of results from the SAT or ACT.
4. Two recommendations.

Transfer Students

William Jewell College welcomes transfer students from regionally accredited two- and four-year colleges. Students should be aware

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that degree requirements vary from institution to institution. If considering a transfer to William Jewell, the student should examine the academic program requirements early in the college experience to begin making transfer plans in advance.

In order to be considered for admission to the college, transfer students must:

1. Submit the application for admission, along with a \$25 nonrefundable processing fee.
2. Forward a copy of the high school transcript.
3. Have official copies of transcripts forwarded from *each* college previously attended.
4. Have a statement of honorable dismissal on file from the last college attended.
5. Students applying for financial assistance must have a financial aid transcript on file from each college previously attended.

Student credits will be considered as they apply to the college curriculum offered at William Jewell College, provided the student presents an overall C average (2.0 on a 4.0 scale). Grades below C in freshman English will not fulfill the ENG 100 requirement. Students who have been permanently suspended from another college cannot be accepted at William Jewell. Accepted credit hours beyond 64 from a two-year college (including any course work completed at a four-year college prior to attending the two-year college) will increase the number of hours required for graduation. A minimum of 30 semester hours must normally be completed in residence at William Jewell, including at least 12 hours in the major, to meet degree requirements. Transfer students must successfully complete the William Jewell College Writing Proficiency Test before registering for hours beyond 60 or before the end of the first junior semester at Jewell, whichever comes later.

Accepted Applicants

Students who receive confirmation of acceptance by the college for study in the day program are required to post a \$50 enrollment deposit. This deposit is refundable when the student graduates or withdraws from the

college, provided the student's account is clear. A student who has been enrolled one semester or longer and who decides not to continue enrollment should notify the student affairs office 30 days before the beginning of the academic term in order to receive a refund of the enrollment deposit.

Resident Applicants

In addition to the enrollment deposit, individuals who want to be resident students must post a room reservation deposit of \$100 within 30 days after notice of acceptance. This deposit must accompany applications submitted after May 1. While making the deposit cannot guarantee a place in a residence hall, typically housing assignments are made in August and reflect the order in which the deposits are received.

After May 1, room deposits for new students may be refunded only if the applicant is physically unable to enroll or if the college cannot provide residence hall space. Once the student occupies a residence hall room, the fee becomes a damage deposit as well as a reservation deposit for the following semester. If a student intends not to return to the residence hall, the student may request a refund at the student affairs office. Where no damages have been assessed and all other financial obligations to the college have been satisfied, the deposit is refundable. A student notifying the student affairs office prior to June 15 of the intention not to return in the fall will receive a full refund; between June 15 and August 1, a \$50 refund; after August 1, no refund.

Student Financial Planning

While the cost of quality education is substantial today, any student possessing the necessary academic skills and motivation should not be denied an opportunity to attend college for lack of financial resources. Many students attending William Jewell College receive some form of financial aid.

Eligibility for financial aid is determined on the basis of need, outstanding academic ability and/or special abilities. For most students, William Jewell College offers a financial plan composed of one or more forms of financial

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aid to help meet the financial need. These are scholarships, grants, loans, and work programs.

Students seeking financial aid on the basis of financial need must complete the William Jewell College Request for Financial Aid and the Free Application for Federal Student Aid (FAFSA). Where need is not a factor in the award (i.e., the Pastor's Christian Leadership Award, academic excellence scholarship) the FAFSA is required only if aid is sought beyond the amount of the special grant. It is recommended, however, that all applicants file the FAFSA by March 15 each spring.

Students attending William Jewell College for a fifth year will not be eligible for college funds.

The following standards of satisfactory academic progress must be maintained to keep one's eligibility for financial assistance:

Hour Completion Requirement. A student is encouraged to plan the course load in order to complete approximately one-fourth of the graduation requirements each year. However, based on William Jewell College's progress standards, the student is allowed a maximum time frame of ten semesters (five academic years) to complete a four-year baccalaureate program. This time frame will be adjusted proportionately based on the student's enrollment status. A student enrolled as full-time (12 hours or more) must complete a minimum of 24 hours per year; three-quarter time students (9-11 hours) must complete a minimum of 18 hours per year; halftime students (6 hours) must complete a minimum of 12 hours per year.

Students not completing the required number of hours will be allowed a one-semester grace period to complete the minimum cumulative credit hours provided the student has not achieved a junior level classification (60 credit hours). If the junior level has been achieved, the student will not be allowed the one-semester grace period. Aid will automatically be terminated. A student may appeal the termination (see Appeal Procedure which follows). If it is determined that a student cannot complete the deficient hours in a grace semester in

addition to the required 12-hour semester load, then the grace period will not be allowed.

The following categories define the number of credit hours required by academic year for financial aid:

<i>Classification</i>	<i>Min. Cumulative Cr. Hrs.</i>
First year	24
Second year	48
Third year	72
Fourth year	96

Three-quarter and half-time student credit hour requirements are adjusted proportionately.

Grade Point Average Requirement. Those who receive financial aid must have a cumulative grade point average high enough to avoid academic probation. The following categories define the minimum GPA a student may receive for the respective class levels in order to remain at William Jewell. Please note, however, that all students must maintain a minimum 2.0 cumulative GPA for aid eligibility.

<i>Class/Min GPA</i>	<i>Min. Aid GPA</i>
Freshman/1.5	2.0
Sophomore/1.75	2.0
Junior/2.0	2.0
Senior/2.0	2.0

Freshman and sophomore students are designated as being on "academic probation" when the grade point average is below 2.0. A student so designated will be allowed a one-semester grace period to achieve the minimum 2.0 cumulative GPA. A student who fails to raise the cumulative GPA to 2.0 by the end of the semester following placement on probation will lose all financial assistance for subsequent semesters (i.e., college, state and federal funds) or until the student has achieved satisfactory progress. Junior and senior students are not allowed a grace period when the grade point average is below 2.0.

A student whose cumulative grade point average falls below the minimum GPA for the class standing is dropped for scholastic deficiency and is ineligible for college, state and

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federal student aid. A student is not allowed a grace period. A student readmitted to the college after academic dismissal is not eligible for college, state or federal financial aid until the minimum cumulative GPA of 2.0 is met and the required number of credit hours is satisfactorily completed.

A transfer student must have a minimum 2.0 cumulative grade point average to be eligible to apply for financial aid. Only transferable credit hours will be used to determine cumulative grade point average.

Appeal Procedure. A student whose assistance is terminated in accordance with this policy may appeal the termination to the Student Financial Planning Committee. Appeals should be submitted in writing to the Vice President for Enrollment Management. The committee will notify the student of its decision.

Academic Scholarships. In order to maintain academic scholarships, the student must complete a minimum of 12 hours per semester with a cumulative grade point average of at least 3.0. Scholarship renewal eligibility is reviewed at the end of the academic year. A student whose cumulative grade point average falls below 3.0 will be allowed one semester to raise the cumulative GPA to 3.0. A student who fails to raise the GPA will not be eligible for the academic scholarship. A student whose academic scholarship is not renewed will be ineligible for an academic scholarship until a cumulative GPA of 3.0 is achieved.

Recipients of the Marian Greene Education Scholarship and the William Jewell Distinguished Scholars Award must complete a minimum of 14 credit hours per semester with a cumulative grade point average of at least 3.5. Scholarship renewal eligibility is reviewed at the end of the academic year. A probational semester is provided as well. Note: Only one probationary semester will be permitted for academic scholarship recipients.

Financial Aid Limitations. Financial aid will not be available for courses which are repeated in order to raise a grade. The following letter grades will not be counted toward graduation: *F*=failure; *IP*=in progress toward the Oxbidge examinations; *PR*=progress; *R*=repeat;

W=withdrew; *WD*=left the college; *FA*=failed pass/fail; *NR*=not reported; *AU*=audit. Hours for repeated courses will not be counted in the total number of hours in assessing whether a student is full-time or part-time in qualifying for aid. For example, a full-time student must be taking at least 12 hours per semester in addition to courses being repeated. An Incomplete (*I*) will not be included in the minimum 12 hours completion requirement for aid eligibility. College aid will not be available to students beyond eight semesters.

Graduates who return for a second degree will not qualify for college aid. Transfer students will be evaluated individually by the financial planning staff to determine the number of semesters aid will be available. Various state and federal aid programs operate with established eligibility limits as well.

Forms of Assistance

Scholarships and grants assistance which do not have to be repaid include: Academic Excellence Scholarships, Marian Greene Scholarships, William Jewell Scholarships, Spencer, Volker and Heritage Scholarships, Pastor's Christian Leadership Awards, Church-Related Vocations, Acteen and Missions Challenge Grants, Grants-in-Aid, Hester Scholarships, Ministers' Dependents, Federal Pell Grants, Missouri Student Grants (MSG), and Federal Supplemental Educational Opportunity Grants (FSEOG).

Loan assistance, which must be repaid, also is available: Federal Stafford Student Loans, Subsidized and Unsubsidized Federal Perkins Loans, Federal Nursing Student Loans, Federal Parent Loans (PLUS), William Jewell College loans, and various monthly payment plans.

Work opportunities are provided through Federal Work Study which include community service positions. A non-Federal work program, Workshop, is available on a limited basis. The Office of Career Development assists students interested in off-campus employment opportunities.

The current student financial planning brochure, distributed by the office of student financial planning, should be consulted for

Student Information

additional application procedures. Student consumer information is found in the official student handbook.

Church Ministries Practicum

Students considering a church-related vocation are eligible for up to \$1,800 in grant-in-aid each academic year. The student qualifies for the grant when the director of the C.H. Spurgeon Center for Christian Ministry receives notification from the local church that the student is pursuing a church-related vocation. This grant is subject to the rules and the regulations governing financial assistance.

Expenses

	SEMESTER	YEAR
Tuition and Fees	\$5,030	\$10,060
Room**	595	1,190
Board-19 meal plan*	890	1,780
	<u>\$6,515</u>	<u>\$13,030</u>

*An alternate board plan (14 meal plan) is available at \$840 per semester, \$1,680 per year.

**Single rooms are available for an additional \$150 per semester, \$300 per year.

Other estimated costs will vary on an individual basis. For most students they will not exceed these estimates:

Books and supplies	\$350
Personal expense and transportation	\$1,350

Students registering for more than 17 credit hours per semester pay \$175 for each credit hour above 17. However, this fee may be waived for up to two hours' credit per semester if the excessive hours result from enrollment in Training Orchestra (103B), Chapel Choir (303), Symphonic Band (305), Liberty Symphony (307) or Foundations (350-351). (Students who wish to register for more than 19 credit hours per semester must have the approval of the Dean of the College.) Students registered for fewer than 12 semester hours pay tuition at the rate of \$400 per semester hour.

Credit hours will be calculated based on total hours of enrollment for the semester including classes added at the second seven weeks.

Every effort is made by the college to avoid tuition increases. Nonetheless the college must reserve the right to alter tuition and/or other charges without notice.

Special Fees

Auditing any course, per semester hour	\$135
Credit by examination, per semester hour	\$ 25/hr.
Graduation fee	\$ 50
Vehicle Permits	\$ 25/sem.
Returned checks	\$ 15
Supervised Student Teaching Education (EDU 410 and 424)	\$ 75
Deferred Payment of unpaid balance/month	1%

Payment Options

All accounts are due and payable on or before the first day of classes each semester. William Jewell offers a Prepaid Tuition Plan (PTP). Students unable to pay in full may elect the William Jewell College 8 Pay Plan. Those who do not satisfy their financial obligations before the first day of classes may be assessed a deferred payment charge. To receive additional information regarding these options contact Student Accounts in the Business Office, (816) 781-7700, ext. 5164.

America's Tutition Assistance Corp. (ATP) offers additional installment plans. To receive information on these plans contact the Office of Financial Planning, (816) 781-7700, ext. 5143 or the Business Office, ext. 5164.

Music and P.E. Fees

In addition to tuition charges, fees for private one-half hour music lessons and class music lessons per semester are assessed:

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One lesson per week	\$100
Additional lessons, per lesson	\$ 60
Class lessons	\$ 50

Many of the physical education activity courses require a fee. The fees will be published prior to preregistration.

Credit Policy

Tuition is credited for withdrawal for other than disciplinary reasons in accordance with this schedule with the exception of students attending William Jewell College for the first time. First-time students will be subject to a pro rata refund policy:

Within first two weeks	80%
Within the third week	60%
Within the fourth week	40%

Credits cannot be made after the fifth week. Refunds will be made on any overpayment upon request.

This schedule applies to students reducing registration to 17 credit hours or whose registration is altered from full-time to part-time classification (below 12 credit hours). All other fees and room charges are nonrefundable. While students withdrawing during the semester may receive a 50% credit on their board on a pro rata basis, 50% of the board cannot be credited. However, if withdrawal results from protracted illness certified by an attending physician, the unused portion of the board paid in advance will be credited.

Willingness to assume financial responsibility is a mark of increasing maturity. Students whose accounts with the college are unsatisfactory are not allowed to preregister, nor will they be issued grades, transcripts or diplomas. Room, board and other privileges may be suspended as a result of unsatisfactory student accounts.

Awards Convocation

Each year during an Awards Convocation outstanding students are recognized and given appropriate awards and honors. The highest

honor is the Faculty Award, presented to a student who has spent the entire undergraduate career at William Jewell and who has a grade point average of 3.75 or higher. It is awarded on the basis of academic achievement and exemplification of the highest ideals of a liberal education at William Jewell College.

Student Life

At William Jewell College, the living/learning experience of student life begins the minute a student steps into the residence hall and meets a roommate with different ideals, background and aspirations. That first step is only one of many opportunities students have to broaden their own experience by exploring the facets of student life, a valued extension to academic work at William Jewell College.

A program of lectures, social events, and registration procedures introduces new students to William Jewell College life. General orientation for all new students is conducted during registration week, in accordance with the calendar.

Available to all students are career counseling, personal counseling, and study skills instruction. The office of career development assists students in job referrals, career exploration, on-campus interviews, resume preparation, interview procedures, and job placement. The academic achievement center provides courses in study skills and reading improvement in addition to assisting students with learning problems.

The counseling center offers professional services to students making educational, vocational and personal decisions. Trained counselors are available to administer and interpret various tests helpful in assessing the student's aptitudes and interests.

New Horizons

Students who are 25 years or older will find the New Horizons Program for reentry students at William Jewell geared to their specific needs. Those students entering college for the first time or after several years of absence will find support services readily available. Special information on applying for admission,

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scholarships and grants, academic advising, test-out procedures, and other concerns is available through the admission office.

Fine Arts Program

Now in its 30th season, the nationally recognized William Jewell Fine Arts Program brings outstanding concert and stage artists to campus and community. Among the performing artists who have appeared in the series are Luciano Pavarotti, Leontyne Price, Itzhak Perlman, Carlos Montoya, Rudolf Nureyev and The National Ballet of Canada, and Beverly Sills. Students attend the Fine Arts Series at no cost. Students also enjoy entertainers and movies sponsored by College Union Activities.

Achievement Day

Each year, Achievement Day marks the celebration of the William Jewell tradition as the "Campus of Achievement." Outstanding alumni are invited back to campus to receive citations for achievement and to lead seminars in their professional fields for interested students.

The formal occasion has brought nationally prominent speakers to William Jewell for a convocation address on campus and a banquet address at a Kansas City hotel. Keynote speakers have included Harry S. Truman, Lyndon B. Johnson, Billy Graham, Norman Vincent Peale, General Maxwell Taylor, astronaut James Irwin, Senator Hugh Scott, William F. Buckley, Jr., Mrs. Coretta Scott King, and Beverly Sills, among others.

Athletics—Varsity and Intramural

William Jewell College enjoys an outstanding record of achievement in athletic competition. The basketball team is a strong NAIA competitor. The football team made NAIA history by going to national playoffs four consecutive years. The college is a member of the Heart of America Athletic Conference and competes in the following conference sports: for men—baseball, basketball, cross-country, football, golf, soccer, tennis, and track; for women—basketball, softball, soccer, tennis, track and

cross-country, and volleyball. The National Association of Intercollegiate Athletics standards of eligibility serve as the guideline for the conference sports activities. A strong program of intramural men's and women's sports is also offered.

Forensics

The forensics program at William Jewell is an area traditionally strong. Students regularly earn state and national awards. The college consistently ranks among the top programs in CEDA (Cross Examination Debate Association), sharing such honors with larger universities. The national discussion tape award for four consecutive years went to the William Jewell team. Capable freshmen who are sufficiently prepared find equal opportunities to compete. The program offers competition in debate, oratory, and oral interpretation. Squad members travel to competitions in the Midwest and other locations, such as Texas, Nevada, and Colorado.

Music

A strong music department at William Jewell encourages *all* students to make music. Whether in a class, in an ensemble, or through an applied study opportunity, the music department can enrich the lives of students no matter what their majors are.

Performance in the choral area is possible through the Concert Choir or Chapel Choir, both of which tour in the U.S. or abroad, Chamber Singers (a select group of freshmen chosen from the Chapel Choir), and an oratorio choir each spring (made up of all choral ensemble members).

Instrumental opportunities are available through Symphonic Band, Jazz Ensemble, Liberty Symphony Orchestra, Flute Choir, Brass Ensemble, Chamber Orchestra and various chamber ensembles.

Handbell Choirs and the Opera Workshop also offer performing opportunities for qualified students.

Private study in piano, organ, voice, guitar and woodwind, percussion, brass and stringed instruments is available to all students.

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Lecture Series

The lecture series reflects the college's genuine concern for student spiritual needs and increasing intellectual maturity. This series brings prominent speakers to the campus to present interdisciplinary examinations of contemporary life from the Christian perspective. The Walter Pope Binns Distinguished Lectureship, named in honor of the late William Jewell president, and supported by a gift of the Callaway Foundation, brings internationally known Christian scholars to the campus each year. The James C. Cope Lectureship on Science and Society, established by James C. Cope, M.D. '37, examines the many social issues raised by the scientific advancements of the twentieth century.

College Chapel

The college community is offered the opportunity to worship together at chapel each Thursday morning and at other times established by the chaplain and the Committee on the Christian College. Students and faculty members share their faith in this hour of prayer, meditation, singing and proclamation. In keeping with our Baptist heritage, attendance at worship is by personal choice.

In an effort to maintain the integrity of the worship experience, the college chaplain is responsible for this hour each Thursday morning at 9:45 a.m. The chaplain fills the role of the college pastor/preacher and worship leader. Occasionally, campus guests are invited to lead the worship experience. Once each month, the chapel hour may be used as a lecture period in an effort to integrate faith and learning.

Since chapel is the main weekly gathering of the college community, the first 10 minutes of the chapel hour may be devoted to student concerns, announcements, issues, and introductions before the community moves into the worship experience.

Christian Student Ministries

Christian Student Ministries at William Jewell College seeks to expose each student, staff, and faculty member to the Christian faith and

encourage the college community to live according to this high standard. All activities fall under the direction of Christian Student Ministries.

Shepherds are peer ministers who provide support and care in the dorms. They organize dorm Bible studies, care groups and general encouragement for those on their floor. Other on-campus ministries include weekly vespers and worship, fellowships, and retreats.

In order to share the Christian faith off-campus, CSM sponsors the singing group *Overflow*, hospital and nursing home visitations, soup kitchen programs, revival teams, and overseas missions to developing countries. All CSM activities are under the leadership of the Campus Minister.

CSM works in partnership with other campus Christian groups such as Ichthus and Fellowship of Christian Athletes to involve a wide range of students in the Christian life.

Student Activities

Every student at William Jewell has a voice in government through Student Senate. This elected governing body operates in open session under a student-drafted constitution.

While the final vote rests with representatives, all students have the right to express their opinions at every Senate meeting.

William Jewell students are involved in the highest level of policy formulation, serving on faculty committees, meeting with the College Conduct Committee, and attending meetings of the Board of Trustees.

Students serving on the College Union Activities Board and Council administer programs of cultural, educational, recreational and social interest to students. CUA sponsors movies, entertainers and speakers' series.

Student Organizations

Student organizations at William Jewell offer a broad spectrum of activities to meet the social and service needs of students. Twenty-seven nationally affiliated and 33 campus-wide

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organizations provide opportunity for involvement in religion; fine arts; professional, social and service fraternities and sororities; music ensembles; forensic and drama groups; ethnic organizations; radio station; student publications; athletics; student government and departmental clubs. A complete listing of student organizations and descriptions can be found in the CUA student handbook/calendar, *Around the Columns*.

Residence Program

William Jewell offers a four-year residential program, exposing each student to the finest living/learning environment college resources can provide. All unmarried students not living at home are expected to participate in the residential program. Fraternity houses are considered part of that program.

All students living in residence halls are served meals in the college union. Each student provides pillows, linens and bed covers. All students are subject to the campus regulations and policies of the college as they affect residence halls and all areas of student life. These regulations are fully outlined in the student handbook/calendar, *Around the Columns*. Students should read this handbook carefully to become familiar with those regulations that provide for a sound, workable college community.

Student Publications

Students have the opportunity to contribute to the weekly student newspaper, *The Hilltop Monitor*. One need not be a communication major to contribute to this major publication.

Theatre

The college sponsors wide-ranging theatre opportunities in a variety of productions. The theatre program takes a liberal arts approach. As with other educational opportunities at William Jewell, the theatre program broadens the students' perspectives, as audience members, as actors and as technicians. Many opportunities in acting, directing, design and theatre management are open to persons from all walks of campus life.

Most theatre productions are held in the Garnett M. Peters Theater, a flexible facility featuring proscenium, thrust or arena configurations. Because of the adaptable Peters Theater, students can experiment with many audience-actor relationships.

Radio

The college owns and operates a noncommercial FM radio station providing a network of communication for the campus and community, and offering opportunities in broadcasting for students. KWJC broadcasts quality programming as the "Voice of Achievement."

Art Gallery

The Ruth E. Stocksdales Gallery of Art was founded in 1982. It is one of the finest college gallery spaces in the region. Located on the second floor of Brown Hall, this modern exhibition space yearly features a variety of work by nationally and regionally known artists, Jewell art faculty and students.

Bowles-Skilling Health Center

The basic health care needs of the William Jewell College student are met through a comprehensive health care program provided by the Bowles-Skilling Health Center. Located in the lower level of Ely Hall, the Center houses the Director's office, a waiting and reception area, two examination/treatment rooms, and a four- to six-bed infirmary. The Health Center staff consists of the Director of Student Health Services, who is a registered nurse, and three board-certified physicians. Health Center services include allergy injections by appointment; assistance in self-management of long-term or chronic illness and handicapping conditions; emergency first aid; health education and promotion materials; nutrition counseling; psychological support; nursing (health) consultation to individuals, organizations and the college community; selected over-the-counter and prescription medications; physician consultation; and referral to other health care providers, both on campus and within the community at large.

All William Jewell College students who are currently enrolled and have paid student fees

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may use the Health Center. Students entering the college as first-year or transfer students are required to furnish the Health Center with completed Health Information and Immunization History Forms prior to attending classes (refer to Prematriculation Immunization Requirement). A physical examination is not required. William Jewell College does not provide health insurance for its students; therefore, it is strongly advised that students arrange for personal coverage either as individuals or through their parents' health insurance plan.

Motor Vehicles

All motor vehicles, including motorcycles, should be registered through the security office. The parking and operation of vehicles is subject to safety regulations provided at the time of registration. Further information is contained in student and faculty handbooks.

Academic Advising

Academic advising is an important part of the teaching process at William Jewell. In most instances, freshmen will be assigned to academic advisors in their chosen areas of major study. Departments with an unusually high number of majors often do not accept freshman students as advisees. This is to ensure that advisors do not have so many advisees that they are unable to provide each student with the time she or he deserves. Freshmen in high demand majors, therefore, as well as students who have not yet declared a major (Open students), will be assigned to faculty advisors throughout the campus community. Later these students are assigned to an advisor in their major fields of study. Students and faculty members may change advisory relationships whenever necessary after consulting with the office of the Director of Academic Advising. The college encourages the advisory relationship by scheduling time for academic advising within the normal academic calendar because advising is as much a process of teaching as are classroom activities.

Writing Program

In annual polls to see what the highest priorities for special faculty attention for the year should be, the William Jewell faculty has repeatedly given student writing ability its highest priority. The faculty demonstrates a steady resolve to see William Jewell graduates fully proficient in writing for any contexts they will encounter after graduation. At Jewell, students will have their critical thinking and writing skill exercised and developed in a wide range of courses across the curriculum. Students are required to present their ideas in a clear and coherent manner, free from grammatical or stylistic errors, using appropriate documentation correctly. Such faculty determination is unusual in American higher education and constitutes a distinctive feature of the William Jewell experience.

At the heart of the Writing Program are two elements: The Proficiency Test of Writing Skill and the Writing Component Courses. Students will take English 100 (or an upper level composition course if advanced placement is achieved on the Jewell Proficiency Test of Writing Skill) their first or second semester here to develop the necessary skills for writing at the college level and must pass English 100 before registering for hours beyond 45. The William Jewell College Proficiency Test of Writing Skill is the final examination for the course. All students are required to pass the William Jewell College Proficiency Test of Writing Skill. Students who transfer a three or four hour English composition course (with at least a grade of C in the course) are required to pass the Proficiency Test before the end of the first junior semester at William Jewell.

If a transfer student fails to pass the Proficiency Test of Writing Skill by the prescribed time, the student will be required to enroll in and successfully complete English 100. These four credit hours will not apply toward graduation requirements.

Students who have scored at the 90th percentile or higher on the English test of the ACT, who have scored at 4 or 5 on the composition part of the AP program, who have made a high score on the CLEP test in composition, who have taken an advanced composition or

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college composition course in high school, or who otherwise have distinguished themselves in writing capability should attempt to achieve advanced placement in English composition. During the student's first semester at William Jewell College, the student should take the Proficiency Test of Writing Skill: a demonstration of competence on that test entitles the student to enroll in ENG 125 or, with permission, in ENG 220, ENG 315, or ENG 325.

During their undergraduate career, students are also required to pass two courses beyond composition with writing expectations in them. Such courses are specifically designated in the Schedule of Classes for the semester with a W indicating the Writing Component, for example BIO 346W. These courses are offered by most departments and students will have the opportunity to take several of them. Since some students may come to college without having had many writing experiences in high school or may simply feel inadequately prepared for college writing, the Academic Achievement Center (101 Jewell Hall) offers materials and personnel to help students with writing in all classes and is available without cost.

General Education

William Jewell's curriculum is in the liberal arts tradition. In the words of one of the college goals, this curriculum shapes "an educational experience which can liberate each individual from the tyrannies of ignorance, provincialism, self-centeredness, and close-mindedness." The General Education programs are the center of this liberating, or liberal, experience.

Thus, just as every student eventually includes a specialized program (a major or area of concentration) in the degree plan, so the student also includes a general program. Two programs are available. Though most students enroll in the Distribution Curriculum, Program I below, 60 students will be admitted annually to the Integrated Curriculum, Program II below. Choosing one of these two programs is an important curricular decision each student makes when first preparing to register at William Jewell.

Program I. The Distribution Curriculum of General Education, provides a liberating breadth of studies through a variety of separated departmental courses in the three large areas of knowledge—the Humanities, the Social Sciences, and Mathematics and Natural Sciences.

Program II. The Integrated Curriculum of General Education, provides this breadth of knowledge through a core of interdisciplinary courses using the central theme of decision-making to unify study of the Humanities, the Social Sciences, and Mathematical and Natural Sciences.

PROGRAM I. THE DISTRIBUTION CURRICULUM

The Bachelor of Arts Degree. The general education pattern for the A.B. degree includes:

1. English 100, OXA 150, or an upper level composition course if advanced placement is achieved on the Jewell Proficiency Test of Writing Skill.
2. Communication 100.
3. Two (or more) Physical Education activity courses totaling at least 2 hours. (No more than 4 hours in activity courses, including PED 100/101, or the equivalent, may be applied toward the 124 hours required for the degree.)
4. One course in religion selected from Religion 110,111,117, all introductions to biblical studies.
5. Proficiency in a foreign language. This requirement may be met by demonstrating language proficiency commensurate with 12 hours of work in one foreign language. A student who presents two or more units of high school language may be required to take a placement test. The student who thereby attains advanced placement may satisfy the language proficiency requirement by passing four semester hours in the same language in courses at the intermediate level. The foreign language requirement will be waived for a foreign national who has grown up in a non-English speaking culture and successfully completed secondary school work taught in a

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language other than English. Official certification from the school of the language of instruction will be required.

6. Twelve hours from Mathematics and Natural Sciences (biology, chemistry, computer science, mathematics, physics), including one laboratory science and one of the following courses emphasizing quantitative reasoning skills: MAT 145, 150, 199, 200, 216, or OXS 210.

7. Twelve hours from Social Sciences (economics, history, political science, psychology, sociology), selected from at least two separate fields.

8. Twelve hours from Humanities, selected from two separate fields, in addition to the four hours in religion and including at least four hours of literature. Humanities credit toward graduation may be earned in art courses numbered 200 or above, Communication 271, 310 and 380, English (except composition courses), foreign language literature and civilization courses numbered 300 or above, Humanities 100, 245, and 250, music (except 241, performing groups and the first two semesters of an applied music sequence), appropriate Oxbridge tutorials, philosophy, political science 211, 313, and 314, and religion (except 110, 111, 117, 203, 204, 205, and 341). Foreign language literature courses numbered above 300 count for the college literature requirement.

A course listed in more than one department may not by itself satisfy the breadth requirement for a second separate field.

The maximum credit toward the bachelor of arts degree that a student may receive in one subject-matter field is 40 hours. (A student must have 84 hours outside the one subject-matter field.)

The Bachelor of Science Degree. Students majoring in accounting, music, nursing, and systems and data processing elect the following general education pattern leading to the B.S. (majors in business administration, elementary education, and music may elect either the A.B. or the B.S. degree):

1. English 100, OXA 150, or an upper level composition course if advanced placement is achieved on the Jewell Proficiency Test of Writing Skill.

2. Communication 100.

3. Two (or more) Physical Education activity courses totaling at least 2 hours. (No more than 4 hours in activity courses, including PED 100/101, or the equivalent, may be applied toward the 124 hours required for the degree.)

4. One course in religion selected from Religion 110, 111, 117, all introductions to biblical studies.

5. Eight hours from Mathematics and Natural Sciences (biology, chemistry, computer science, mathematics, physics), including one laboratory science and one of the following courses emphasizing quantitative reasoning skills: MAT 145, 150, 199, 200, 216, or OXS 210.

6. Twelve hours from Social Sciences (economics, history, political science, psychology, sociology), selected from at least two separate fields.

7. Eight hours from Humanities, selected from two separate fields, in addition to the four hours in religion and including four hours of literature. Humanities credit toward graduation may be earned in art courses numbered 200 or above, Communication 271, 310 and 380, English (except composition courses), foreign language literature and civilization courses numbered 300 or above, Humanities 100, 245, and 250, music (except 241, performing groups and the first two semesters of an applied music sequence), philosophy, political science 211, 313, and 314, and religion (except 110, 111, 117, 203, 204, 205, and 341). Foreign language literature courses numbered above 300 count for the college literature requirement.

A course listed in more than one department may not by itself satisfy the breadth requirement for a second separate field.

The maximum amount of credit toward graduation that a student may receive in one subject-matter field for the bachelor of science degree is 60 hours. (A student must have 64 hours outside the one subject-matter field.)

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PROGRAM II. THE INTEGRATED CURRICULUM OF GENERAL EDUCATION: FOUNDATIONS

The Basic Skills Component:

- English 100, OXA 150, or an upper level composition course if advanced placement is achieved on the Jewell Proficiency Test of Writing Skill.
- Communication 100.
- Two (or more) Physical Education activity courses totaling at least 2 hours. (No more than 4 hours in activity courses, including PED 100/101, or the equivalent, may be applied toward the 124 hours required for the degree.)
- The Foundations Program: An Integrated Value-Based Study of Public and Private Decision Making, Relating Christian Heritage and Cultural Past to Contemporary Problems in Human Futures.

The Foundations courses are described in this catalog in the section on Courses of Study.

Foundations 115. Personal Decision Making

Foundations 125. Problems, Choices, Values and Persons.

Foundations 215. Public Decision Making in the Modern Nation-State.

Foundations 225. Christian Heritage and Western Culture.

Foundations 315. Developing Nations and the United States.

Foundations 325. From Present Problems to Chosen Futures.

The Distribution Component:

Bachelor of Arts Degree:

1. Eight hours from Mathematics and Natural Sciences (biology, chemistry, computer science, mathematics, physics), including one laboratory science and one of the following courses emphasizing quantitative reasoning skills: MAT 145, 150, 199, 200, 216, or OXS 210.

2. Four hours from social sciences (economics, history, political science, psychology, sociology).

3. Four hours from Humanities—art courses numbered 200 or above, Communication 271, 310 and 380, English (except composition courses), foreign language literature and civilization courses numbered 300 or above, Humanities 100, 245 and 250, music (except 241, performing groups and the first two semesters of an applied music sequence), appropriate Oxbridge tutorials, philosophy, political science 211, 313 and 314, and religion (except 110, 111, 117, 203, 204, 205, and 341). Foreign language literature courses numbered above 300 count for the college literature requirement.

4. Foreign language: See Program I, page 11.

The maximum amount of credit toward graduation that a student may receive in one subject matter field for the bachelor of arts degree is 40 hours. (A student must have 84 hours outside the one subject-matter field.)

Bachelor of Science Degree.

For students majoring in accounting, music, nursing, and systems and data processing (majors in business administration, elementary education and music, may elect either the A.B. or B.S. degree):

1. Eight hours from Mathematics and Natural Sciences (biology, chemistry, computer science, mathematics, physics), including one laboratory science and one of the following courses emphasizing quantitative reasoning skills: MAT 145, 150, 199, 200, 216, or OXS 210.

2. Four hours from Social Sciences (economics, history, political science, psychology, sociology)

The maximum amount of credit toward graduation that a student may receive in one subject-matter field for the bachelor of science degree is 60 hours. (A student must have 64 hours outside the one subject-matter field.)

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Academic Standards and Integrity

It is the student's responsibility, ultimately, to know and comply with catalog regulations governing admission, registration, retention, withdrawal, degree plans, graduation requirements, payment of tuition, etc.

The college subscribes to policies designed to ensure acceptable standards of scholarly activity and to enhance the value of the William Jewell degree:

1. Degrees are awarded to students who have satisfied the entrance requirements, completed a minimum of 124 semester hours of college work as specified in the catalog and earned a C average for all work attempted. Students who transfer into the college must earn a C average for all work attempted at the college as well as a cumulative C average on all work attempted. Each student must pass a writing proficiency test before receiving permission to register for any hours beyond 45. (A second baccalaureate degree may be awarded to the student who completes at least 30 additional hours and all degree requirements.)
2. Each student will complete the requirements for graduation in the catalog in effect on the date of college entrance. If a subsequent decision is made to follow a later catalog, through a bona-fide change in major or for other causes, the requirements in effect at that time must be met. The maximum amount of time allowed for completion of degree requirements following a particular catalog sequence is seven years. A student who returns after an absence, and who has not graduated, may expect to be required to change to the requirements set forth in later announcements. The Dean of the College will assist in such cases. The curriculum of the college is under continuing development, and a given catalog cannot constitute a contract with the student. Every effort is made, however, to achieve fair and reasonable adjustment for students affected by curricular change.
3. Satisfactory completion (with a grade of C or higher in each course) of not fewer than 24 hours in the major is required for graduation. Students who transfer into the college must complete in residence a minimum of 12 hours in the major. Majors in elementary education and music education must meet certification requirements. Specific requirements are outlined in handbooks available in the respective departments.
4. Credit earned in English 100, Communication 100, and the required religion course, all part of the General Education program, does not apply to the requirements in the area of concentration. Otherwise, a course applying toward the major may also apply toward one General Education requirement.
5. Students must meet their specific requirements in their major, and must successfully complete at least two writing component courses at William Jewell College.
6. Students who expect to graduate must file an Application for Graduation with the Registrar prior to registering for their next to last semester. (This would be the second semester of the junior year.)
7. Any senior student who has completed all requirements for graduation except eight semester hours of elective credit or fewer may, with permission of the Dean, do this work in absentia. This may be done by correspondence from a reputable institution, or in residence in a four-year college or university of recognized standing. Such a student may participate only in the graduating exercises of the class following the completion of the work. The last year's work for graduation (minimum 30 semester hours) must be done in residence at William Jewell, except as here provided.
8. Students who complete 124 hours or more with a grade point average below C, with permission of the Dean, may attempt an additional semester of work to meet the requirements for graduation.
9. The college may accept for graduation up to ten semester hours of credit from an institution of recognized quality which maintains a regularly organized correspondence department. No credit can be allowed by correspondence toward a major except by the prior consent of the head of the department and approval of the Dean. A maximum of 30 semester hours of correspondence and extension work combined may be accepted.

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10. No more than four hours in courses numbered below 100 may be applied toward the 124 hours required for graduation. Non-music majors may use up to eight hours ensemble credit as elective hours toward graduation.

Assessment

Under the 1992 and 1993 amendments to the Higher Education Act of 1965, a college or university must assess the academic achievement of its students. Accordingly, William Jewell students must expect to be required to participate in the administration of such assessment instruments as the Cooperative Institutional Research Program (CIRP), the College Student Survey (CSS), and other such instruments as the faculty may find desirable or necessary to administer. The requirement that students participate is a graduation requirement.

Academic Honesty

William Jewell College expects students and instructors to have done or prepared the work or research that bears their names and to give acknowledgment in the use of materials and sources. The college expects students to do their own work and research, to prepare their own reports and papers, and to take examinations without the assistance of others or aids not allowed in the testing procedure.

Academic misconduct includes, but is not confined to, plagiarizing; cheating on tests or examinations; turning in counterfeit reports, tests and papers; stealing of tests or other academic material; knowingly falsifying academic records or documents; and turning in the same work to more than one class without informing the instructors involved. Academic misconduct of any sort will result in disciplinary action.

Progress Toward Graduation

The college informs students of their academic progress by issuing formal reports each semester. However, students assume the obligation to be knowledgeable of their academic status and of the academic regulations which are stated in this catalog.

Students are expected to accumulate at least two grade points for each credit hour attempted each semester. Students with overall averages below 2.0 are considered on academic probation. At the end of the first five weeks of each semester, the Dean receives a report of all students who are doing unsatisfactory work.

To remain in the college the student must achieve:

- A grade point ratio of 1.5 at the end of the first and second semesters;
- A grade point ratio of 1.75 at the end of the third and fourth semesters; and
- A grade point ratio of 2.0 at the end of the fifth semester and thereafter.

Grading and Grade Points

The college grading system and grade-point values are as follows:

A=4 points per credit hour;
B=3 points per credit hour;
C=2 points per credit hour;
D=1 point per credit hour;
F=0 points per credit hour;
AU=audit;
CR=credits in Oxford/Cambridge Scholar Program;
FA=failed pass/fail;
I=incomplete;
IP=in progress toward Oxbridge examinations;
NR=not reported;
P=pass;
PR=progress;
R=repeat English 100;
W=withdrew;
WD=left the college.

Scholastic averages are computed upon the basis of hours attempted and the total number of grade points earned. For graduation, the total number of grade points must be two times the number of hours attempted (or an average of C).

A student must repeat courses for the major in which the grade earned is D or F. When such courses are repeated and a satisfactory performance recorded, only the repeat grade will be used in determining the grade point average.

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The *D* or *F* remains, however, a part of the permanent record without being considered in grade point computation. Courses not required for the major in which a grade of *D* or *F* is earned may be repeated. The student should notify the registrar's office of the intent to repeat a course. A course may not be repeated using the pass-fail option.

If a student repeats a course in which the grade is *C* or better, those credit hours increase the number of hours required for graduation, and both grades will be included in grade point computation.

The mark *I* (for incomplete) may be given in any regular course in which, owing to extenuating circumstances such as serious injury or lengthy illness, a student has been unable to complete the requirements of the course. The student must complete the requirements of the course within the succeeding semester. Failure to do so, without a written contract between instructor and student and approval of the Dean, will result in a grade of *F*.

In independent activity courses (directed study, directed reading, research, etc.), the mark *PR* (for progress) may be used at the end of a semester in which the student has made progress in his project but has not completed it. The student must complete the work within the succeeding semester. Failure to do so, without a written contract between instructor and student and approval of the Dean, will result in a grade of *F*.

Absences

Students are expected to attend all class sessions and to accept the responsibilities which are involved. When three successive absences, or a total of five, have occurred in a semester without proper explanation acceptable to the instructor of a class, students are referred to the Dean of the College for appropriate action.

Late Assignments

Students are expected to complete assigned class work on time. A student anticipating absence from class on a day when work is to be handed in is normally expected to submit the work in advance of the due date.

If unexpected circumstances such as illness or a personal or family emergency make meeting a due date impossible, it is the student's responsibility to contact his instructor in person, in advance of the due date, explain the situation and make specific arrangements to reschedule the due date. Failure to do so will occasion a late penalty, as determined by the instructor's judgment and the policy stated in the syllabus.

Student Classification

Students are classified on the basis of the number of accumulated credit hours:

Freshman	1 to 23 semester hours
Sophomore	24 to 59 semester hours
Junior	60 to 89 semester hours
Senior	90 to 124 semester hours

Advanced Placement and Credit

William Jewell College offers advanced placement in cooperation with the College Entrance Examination board. On presentation of acceptable examination scores, a student may receive advanced placement with or without credit in specified disciplines.

Credit and advanced placement are also granted through the College-Level Examination Program (CLEP) and through departmental examinations. Freshmen entering William Jewell College directly from high school are not granted credit for CLEP general examination results; however, they may sit for as many subject examinations for credit as they wish. Entering freshmen who have delayed college entrance by as much as three years since high school graduation may take both CLEP general and subject examinations for credit.

The college imposes no limit on the amount of credit a student may earn by examination, although one year of residency is required for a degree from William Jewell College. Such is recorded on the student's transcript without a letter grade and with the notation *Credit by Examination*.

The Academic Program

High school students demonstrating exceptional academic ability may earn up to sixteen credits prior to entry as college freshmen through the Early Admission program described in the Admission section in this catalog.

The college recognizes credits earned through the International Baccalaureate program, to be allocated at the individual department's prerogative.

Pass-Fail Option

The pass-fail option encourages students to attempt courses of interest which would normally be avoided because of lack of background. Any sophomore, junior, or senior in good academic standing may elect to take one course per semester under the pass-fail option with the following limitations:

1. No more than 20 pass-fail hours;
2. No course in the major area or concentration;
3. No course specifically required for graduation;
4. No course being taken to meet the requirement of a block or group;
5. No course being repeated.
6. No course required for teacher certification or pre-professional preparation.
7. All physical education activity courses are offered on a pass-fail basis. Neither the limit of one course per semester nor the limit of 20 hours total will include PED activity courses.

Grades of *P* or *FA* received under this option will not be included in computing the grade point average, but credit earned will apply toward graduation. Students elect this option at enrollment with the registrar's office and can change it only during the normal time allowed for a change in courses—before the end of the first week of classes.

Honors

The Dean's List for each semester will include the names of students who have carried a program of 14 or more semester hours, excluding courses taken on a pass-fail basis or audited, have no grade lower than C in any subject, have no incompletes, and have achieved a minimum grade point ratio of 3.5.

A student who completes the work for the degree with as many as 3.9 grade points for each hour attempted is graduated *Summa Cum Laude*, and this is cited with the degree. A student who completes the work with a ratio between 3.75 and 3.89 is graduated *Magna Cum Laude*, and this is cited with the degree.

The student who wants an added challenge of academic excellence may seek graduation with honors or achievement. Eligible students must have a minimum grade point average of 3.5 at the time of graduation and have completed A level work on a special research or creative project over two or more semesters in a concentrated area.

Students planning to pursue an honors project should declare that intent in writing to the chairman of the Honors Council no later than the third week of the spring semester of their junior year. Additional information may be obtained by contacting the academic Dean or the chairman of the Honors Council.

Registration

Students may register at the beginning of the fall semester, at the beginning of the summer school, or at preregistration periods. For specific dates and times of registration for fall semester and summer school, students should refer to the college calendar in this catalog. Registration, including settlement of all charges at the business office, must be completed by the date listed in the calendar or be subject to the late fee.

Students enrolling for the first time may have the privilege of registering as late as one week after the beginning of classes by obtaining the Dean's permission. This provision does not cancel the extra fee for late registration or late settlement of charges.

The Academic Program

Changes in Courses

Changes in a course of study are *not allowed after the first week* from the beginning of a semester, which is calculated from the *first day classes begin*. Exceptions may be made on the recommendation of the college physician or the head of the department in which the student is majoring. No course may be *added* after the first week following the *day classes start* after registration.

Students who desire to change their major field, once this has been formally declared, should have the concurrence of the heads of the departments concerned before any change is made. All changes of major must be filed with the academic advising office.

The college reserves the right to discontinue any section in any course in which the enrollment is not sufficient to justify its being held. This decision rests with the Dean of the College. Generally, sections with fewer than six registrants will not be maintained.

Audit

On a space-available basis a student may register during the regular registration period to audit (i.e., sit in on a course without credit) a course. If the student is enrolled full-time and, including the audited course, stays within the 12-17 hour range, no additional charge is assessed for the audit. If the student is enrolled in fewer than 12 or more than 17 hours, there is a charge of \$135 per hour for auditing a course. A student may not audit a course which requires physical participation (i.e., a studio art course, a music lesson, a physical education activity, etc.). A student may not change from audit to credit status after having registered in a course as an auditor.

Dropping Courses

Students may drop or withdraw from a course anytime through the last regularly scheduled class meeting time prior to final examination week unless the faculty member has specified in the course syllabus an earlier deadline date for withdrawal.

If a course is dropped during the first four weeks of the semester, no record will appear

on the transcript. After the fourth week, W will appear on the transcript.

Withdrawal

Students wishing to withdraw from college for any reason must file the official withdrawal form provided by the office of student affairs. Improper withdrawal will result in a grade of F for all courses.

Transfer to Another Institution of Higher Education in Missouri

Missouri institutions of higher education welcome transfer students; however, students should be aware that actual requirements for degrees vary from institution to institution. This factor makes it particularly important that students who plan to transfer make contact very early in their academic career with the campus where they eventually wish to graduate. By arranging in advance for appropriate courses to be taken prior to transfer, a student can minimize problems.

Summer School Credit

Students desiring to take work at other institutions during the summer months should coordinate plans in advance with their advisor. Written approval from the Dean of the College, secured in advance, is necessary to assure acceptance of summer transfer credit by William Jewell College. Once a student has completed 64 hours, the student may not transfer work from a community or junior college.

Majors

Each student at William Jewell designs or chooses an area of concentration in light of interest, abilities, and objectives, and in accordance with the college guidelines outlined in the catalog under Academic Regulations. The area of concentration worked out in consultation with the student's advisor normally consists of 6 to 15 courses (24 to 60 semester hours). Each student should declare a major in the office of Academic Advising.

The Academic Program

Students may choose one of the traditional academic majors (e.g., art, business administration, elementary education, English, history, physics, religion) or devise an interdisciplinary or nontraditional area from the several hundred courses offered by the college. Students may examine a culture (e.g., American Studies, Black Studies), an historical epoch (e.g., Colonial America, Medieval Europe, Renaissance England), a combination of disciplines (e.g., Aesthetic Principles in Fine Arts, Social Psychology, Writing), or a specific vocation (e.g., a combination of business and music leading toward a career in the music business). Instructions and forms for preparing an interdisciplinary or nontraditional area of concentration are available through the office of the Dean. Proposals for these self-designed majors will not be accepted or approved later than the third week of fall semester of the senior year (i.e., two semesters before graduation). These majors will be noted on the transcript as "self-designed."

Oxbridge

Oxbridge is an honors program of tutorials and examinations through which a small number of students may pursue their areas of concentration. As its name implies, it is an American adaptation of the educational method of the great English universities Oxford and Cambridge. In this method, the area of concentration or major is not defined by required courses, but by subjects to be included on comprehensive examinations taken at the end of the senior year. Instead of taking classes in these subjects, students prepare for the examinations through carefully structured programs of independent study and tutorial instruction. Full credit for a tutorial course, including any in England in the major subject, is achieved only when appropriate examination papers have been satisfactorily completed; half the credit and half the grade for each tutorial course are earned through examinations.

William Jewell's innovative adaptation of this method is supported by a grant from the Hall Family Foundations.

From ten to 30 freshmen and sophomores are accepted each year as Oxbridge students.

Through the program, they are able to pursue tutorial majors in: English Language and Literature, History, Institutions and Policy (an interdisciplinary major combining philosophy, politics and economics), Music, Religious Studies, and Science (an interdisciplinary major in molecular biology).

Freshmen enter for a probationary year as Oxbridge Open students and do not apply for entry into majors until late in spring semester.

Study will normally include a junior year in one of William Jewell's programs in either Oxford or Cambridge.

Oxbridge is designed to meet the needs of some of the best students entering American colleges today. It emphasizes independent reading, writing, and the development of abilities of critical analysis. It gives students primary responsibility for their own learning.

Interested students may consult the Senior Tutor about the rigorous application process. Further information is given in this catalog in the section on Courses of Study. For a full description of the program, please consult *The Oxbridge Handbook*.

Independent Study

While at William Jewell, each student is encouraged to plan at least one independent study experience to be pursued in an area of special interest. Independent study projects are planned in cooperation with the advisor and the professor directing the study. The summer term is ideal for short-range independent projects, on or off campus.

Through the college Alumni Association, it is possible for students to do independent study related to professions, business and industry, government, religious or social service, and other areas of personal interest.

Honors Study. Students desiring rigorous academic challenge may undertake independent study in the Honors Program and seek graduation with "Honors" or "Achievement." This program is described in this catalog under Academic Regulations.

The Academic Program

The World Campus

Each student at William Jewell College is encouraged to pursue a foreign study experience. Through programs in China, England, Europe and Japan, the college enables students to become familiar with other countries and to develop cross-cultural skills, a sense of self-awareness, self-confidence and independence.

Overseas study programs are a vital part of William Jewell College's total educational curriculum. The programs range in length from several weeks to a full semester or a full year. Each program gives a selected range of courses designed to integrate well with other courses of study at William Jewell and at other accredited colleges and universities in the United States. Programs are open to all students regardless of their major fields of study. The Coordinator of Overseas Study assists students in planning foreign studies.

Criteria for all programs: A student in any overseas program must have passed the Writing Proficiency Examination before departure and must be a sophomore, junior, senior, or graduate at the time of departure. No matter what the cumulative GPA or the GPA requirement for a program, the student should have had a semester GPA of 2.0 or higher for the semester before application. The transcript submitted as part of the application should show fulfillment of general education and other requirements in a way which normally leads to timely graduation. Enrollment in an overseas program would have to be denied a student who at the time of departure was on academic or disciplinary probation or who had not arranged to settle any outstanding debts to the college. All judgements about admission to the programs are made at the absolute and sole discretion of the Overseas Study Coordinator, the William Jewell College faculty reviewers of applications, and reviewers at institutions and organizations with which William Jewell cooperates in offering overseas programs.

Most scholarships and financial aid used to study at William Jewell during the academic year can also be used to study with college-sponsored programs, and sometimes students are eligible for additional loans. Students

considering foreign study should discuss their options with the office of student financial planning.

ENGLAND

Programs in Oxford and Cambridge. William Jewell offers opportunities for academically strong students to study in several programs in England's most famous centers of learning. Their study is usually individually directed, in Oxford "tutorials" or Cambridge "supervisions."

Credit for study in these programs is awarded by William Jewell College and is recorded as "William Jewell College Scholars Program: Honors Study in the Oxford Overseas Study Course" or "at Regent's Park College, Oxford" or "at Homerton College, Cambridge."

Division of the Oxford or Cambridge academic year into three eight-week or ten-week terms (early October to early December, mid-January to mid-March, and late April to late June) allows travel time before and between terms.

Applications are accepted from students with a minimum 3.5 cumulative grade point average (or comparable evidence of academic strength) who have demonstrated strong writing abilities and capacity for independent study. In addition, students applying to study at Homerton College must meet Homerton's entrance requirements for a junior year of study: high ACT or SAT scores and college study of English, foreign language, math or science, and two other academic subjects.

Applications are due February 15 for study for either or both semesters of the following academic year. Oxbridge majors simply confirm their plans by February 15, as study in either Oxford or Cambridge is an integral part of the program for which they have already been accepted.

Regent's Park College. William Jewell College sustains a cooperative arrangement with Regent's Park College, Oxford, sending two students each year to study as **visiting students** at that institution. Founded by British Baptists in 1810, Regent's Park specializes in theological studies, though Jewell students are

The Academic Program

accepted to study history and literature as well. Students typically "read" in one or two topics each term, receiving 11 credit hours per term for work successfully completed, 33 credit hours for the year.

Oxford Overseas Study Course. The Oxford Overseas Study Course is an independent private study program conducted by Francis Warner, Dean of Degrees of St. Peter's College, Oxford University, for students from a limited number of American colleges. Although the program is not connected to the University, it provides students with the opportunity to study in the traditional Oxford manner and to enjoy the University community. Students typically "read" two topics each term, earning 11 or 12 credit hours per term to a maximum of 33 credit hours for the whole year. Tutorial instruction may be arranged in subjects such as art or music history, economics, history, literature, mathematics, philosophy, politics, psychology and religion.

Homerton College, Cambridge. A cooperative arrangement with Homerton College allows William Jewell juniors to study for a year as visiting students at that institution. Homerton's specialty is the education of future teachers, but the college offers a full range of instruction in subjects including art, history, literature, music, religion, sciences and theatre. Students typically take four seminar-style courses per term to earn 11 credit hours, 33 credit hours for the year.

Harlaxton College. William Jewell students join undergraduates from other cooperating American colleges to study at Harlaxton College, the British campus of the University of Evansville. The college is located in Harlaxton Manor, a magnificent Victorian estate located near Grantham, in Lincolnshire. The curriculum includes American-style courses in art, archaeology, business and economics, history, literature, mathematics, music, philosophy, political science, psychology, science and sociology, though only some of these subjects would be offered in any one semester. All students enroll in a core course of British Studies. Courses are taught by British faculty as well as by visiting American faculty from Evansville, Jewell and other participating

colleges. The class schedule offers travel opportunities throughout each semester.

Applications, which are due the Monday after spring break for either fall or spring semester of the following academic year, are accepted from students in good standing with an average of 2.5 or above.

The British Teacher Education Program. The education department sponsors a four-week summer study option in the British Primary schools.

The on-site experience is preceded by a preparatory course at William Jewell. For specific information see Education 470 and 475 under Courses of Study.

ASIA AND AUSTRALIA

Seinan Gakuin University, Japan. William Jewell College offers an exchange program with Seinan Gakuin University of Fukuoka, Japan, in which William Jewell students study at Seinan Gakuin, and Japanese students attend Jewell for a full academic year.

Instruction is in English for students from the United States; courses include Japanese language and humanities and social science courses related to Japan. Typical offerings might include Calligraphy, Cultural Anthropology, Japanese Culture and Society, Japanese History, Japanese Law and Government, and Modern Japanese Literature in Translation. In a year of successful study at Seinan Gakuin, a student will earn 24 to 32 hours of credit and may also earn a major in Japanese studies.

See Japanese Area Studies under Courses of Study.

Applications will be accepted from William Jewell students in good academic standing, with an average of C or above and demonstrated maturity and sense of responsibility. Applications are due February 15 for study at Seinan Gakuin the following year.

Zhejiang University, China. In cooperation with Central College, William Jewell offers students the opportunity to study at Zhejiang University in Hangzhou, China. Study in China extends February through May. All students take an intensive Chinese language

The Academic Program

class as well as courses selected from Chinese art, history, and culture. No previous knowledge of Chinese is expected. Instruction is in English, by Chinese professors at Zhejiang. 13 hours credit. Applications are accepted from William Jewell students in good standing, with an average of C or above and demonstrated maturity and sense of responsibility. Applications are due February 15 for study the following year.

Other programs are offered through the Institute of Asian Studies. All require 3.0 cumulative GPA or higher and junior or senior standing. No previous language study is required. Instruction is in English.

Indonesia, Singapore. Two programs are available, one at the National University offering study of liberal arts subjects and Mandarin Chinese and one at Nanyang Technological University offering business, accounting, computer, and engineering. Applicants must have had at least one previous course dealing with Asia and must have good backgrounds in subjects to be taken in Singapore. The application deadline is January 31 for study in the next fall semester or full year.

Southeast Asia. Students spend eight weeks in Singapore and eight weeks in either Bangkok, Thailand (fall semester) or Yogyakarta, Indonesia (spring semester). Subjects are language (Thai or Bahasa Indonesian) and Asian studies in humanities, social sciences, and business. Application deadline is April 1.

Australia. Students may pursue the full range of university subjects at either the University of Adelaide or the Australian National University, Canberra. An applicant must have a strong background in the subject to be studied and must be accepted by the individual university department as well as by the IAS. The schedule is that of the Australian academic year, which begins in March and continues through November. The first semester is March through June; the second is July through November. February 15 is the application deadline for the second semester of the same academic year or the full year or the first semester of the next academic year.

EUROPE

All European programs except Summer in Spain are offered through the Institute of European Studies. All IES programs require a cumulative GPA of 3.0 or higher and all but the program in Italy require junior or senior standing. All but the programs in Italy and Vienna and the European Community program in Freiburg require previous study of the language involved. Study in many programs can be part of a major in International Business and Language, see the Language section of this catalog. Application deadline is April 1 for all programs, though earlier application is often recommended.

FRANCE

Dijon. A general program offers instruction in business, economics, and history as well as the required study of the French language. Some classes are given in French, some in English. Field trips are incorporated. Students must complete two college semesters of French before entry. The advanced program offers study in European business management and international economics at the Ecole Supérieure de Commerce de Dijon, previous study of French at the 300 or 400 level required. Either program is completed in one semester, fall or spring.

Nantes. Study is offered in French language and literature, fine arts, humanities, social sciences, and sciences at the IES center, local universities, and the National School of Music. Also, internships are available in education. All instruction is in French. Enrollment is possible for a full year or for either semester. Four semesters of college study of French are required for fall or full-year enrollment, five semesters for spring.

Paris. Courses are taught in French at the IES center, l'Université de Paris—Sorbonne, l'Institut de Études Politiques, and l'Institut Catholique. Subjects are French language and literature, art history, business and economics, history, music, philosophy, political science, psychology, religion, and sociology. There are internships in business, communications, nonprofit organizations, and education. Enrollment is possible for a full-year or either semester, with four semesters of college study of

The Academic Program

French required for fall or full-year enrollment, five for spring.

GERMANY AND AUSTRIA

Berlin. IES courses are offered in art history, business, economics, history, literature, politics, and theatre. German language study is offered through the Humboldt University of Berlin. All courses are taught in German. Enrollment is possible for the full year or either semester. Four semesters of college study of German are required for fall or full-year study, five semesters for spring.

Freiburg. A wide range of courses and tutorials is available at the University of Freiburg. IES center courses are offered in art history, economics, German history, German language and literature, and political science. All courses and tutorials are taught in German. Enrollment is possible for the full year or either semester. Four semesters of college study of German are required for fall or full-year study, five semesters for spring.

Vienna. Courses are offered in English at the IES center in anthropology, art history, economics, education, German language, history, international business, international relations, literature, music, philosophy, political science, and psychology. Students who are qualified in the German language may study at the University of Vienna. Music majors who have studied German through at least the intermediate level and who enroll for the full year may study at the Konservatorium der Stadt Wien or the Hochschule für Musik und Darstellende Kunst. Many courses are taught in English, with instruction in German for qualified students. All students must study the German language. Previous study of German is recommended but not required. Enrollment is possible for the full year or for either semester. Sophomores may be admitted in exceptional cases.

ITALY

Milan. A beginning program is offered in Italian Language and Area Studies, no previous study of the language required. Subjects include immersion study of the Italian language as well as art history, design, history,

literature, and political science. A university program is available for students with proficiency in Italian. Enrollment is open to sophomores as well as to juniors and seniors for the full year or for either semester.

SPAIN

Summer in Spain. Four to ten hours of credit in intensive study in Cordoba are offered in the summers of even years by members of the William Jewell faculty. Information about the program is available from the Office of Continuing Education.

Madrid. Courses are taught in Spanish at the IES center and la Universidad Complutense de Madrid. Subjects include art history, business, economics, history, political science, Spanish language and literature, music, and sociology. Advanced Spanish courses are available to qualified students. Enrollment is possible for the full year or for either semester. Four semesters of college study of Spanish are required for full-year or fall enrollment, five for spring.

Salamanca. Courses are taught in Spanish at the IES center and the University of Salamanca. Subjects include anthropology, art history, economics, geography, history, Spanish language and literature, North African studies, political science, religion, sociology, and women's studies. Enrollment is possible for the full year or for either semester. Four semesters of college study of Spanish are required for full-year or fall enrollment, five for spring.

EUROPEAN COMMUNITY

European Community: Freiburg, Germany. Classes are offered in English, with field trips to Common Market institutions in Brussels, Luxembourg, Strasbourg, and the Organization for Economic Cooperation and Development in Paris. Study of German language is required. Other studies concern economic, political, and historical development in the European Community. Enrollment is available for either fall or spring semester. No previous study of the language is necessary.

The Academic Program

Service Learning

William Jewell is a member of the Partnership for Service-Learning, a national organization of academic institutions and service agencies uniting accredited study and work in established humanitarian service agencies. Through the Partnership, Jewell students may participate in semester or year-long programs abroad in Ecuador, France, India, Israel, Jamaica, Liberia, Mexico, the Philippines and, in the United States, in Appalachia and South Dakota. Applications and information are available in the office of the Campus Ministers.

Oxford Joint Appointment

William Jewell is the first college in the United States to join the faculties of a British and U.S. institution. Members of the faculty at Regent's Park College, Oxford, are faculty members at William Jewell in this historic joint appointment. William Jewell faculty exchange with Regent's faculty for teaching and research each year. One Regent's faculty member comes to William Jewell each year. Regent's faculty are listed in this catalog.

The Evening Division

William Jewell's evening division provides undergraduate courses of study for individuals who wish to pursue an educational program at night.

The evening division curriculum offers courses to meet a broad range of interests and needs. While course offerings from more than 20 academic areas are available, special emphasis is given to accounting, business administration, economics, psychology, sociology, and systems and data processing. Day students may not count paralegal courses toward their degree.

The evening division also provides some specialized noncredit classes appropriate for an adult population.

Evening division professors are selected from the regular William Jewell faculty and from business and professional organizations. The instructors are highly trained, professionally competent, and concerned with providing an educational experience of the highest quality.

Students are classified as day or evening division students on the basis of the number of day courses they are taking and the requirements of the degree that they are pursuing. Interpretations of such classification may be made by the Dean of the College or the Associate Dean for Continuing Education.

An evening division student may enroll for courses in the day division through the procedure outlined in item 4 below.

A maximum of five places will be held in each evening class for day students who wish to enroll in the course at the time of the regular preregistration. Additional students may enroll the first night of class on a space available basis. A day division student may enroll for evening division courses under the following conditions:

1. Evening division students have first priority in evening division classes.
2. Day students of senior standing who wish to enroll in a class during the day but are unable to owing to course conflicts, scheduling problem, work complications, participation in international programs, etc., may enroll in one or more evening course(s) by completing the dual enrollment form which requires the approval of their advisor.
3. Day students may register for a course not offered in the day division by completing the dual enrollment form requiring the written approval of the advisor.
4. Evening students who wish to enroll in one day course may do so each semester through the registrar's office and will pay tuition assessed at the day rate for part-time students.

Curry Library

Located at the center of the campus quadrangle, the Charles F. Curry Library plays an active role in the academic life of William Jewell College. The open stack system allows easy access to the collection of 210,000 volumes, 130,000 microforms, and 830 journal titles. More than 10,000 books and government

The Academic Program

documents are added annually. The library is an active member of local, regional, and national computer-based library networks including the Internet.

Curry Library participates in a local automation system with local academic and public libraries. Our integrated library automation system includes an on-line public access catalog (OPAC), bar-coded circulation, on-line serials holdings, and a reserve desk component. More than 2.5 million volumes are available through the Kansas City Library Consortium's database.

Material from local libraries is provided through the Kansas City Metropolitan Library Network, supplying courier service to the collections of over 40 academic, special, and public libraries in the area, and by a reciprocal direct borrowing agreement with 10 area college and university libraries.

Comprehensive database searching through DIALOG, BRS, DataTimes, and STN information retrieval systems, containing over 400 on-line databases on all major disciplines, is provided through a skilled reference staff. Local CD-ROM indexes include InfoTrac's *Academic Index* (indexing over 1100 journal and newspaper titles) and *Business/Company Profiles*, the *Government Documents Catalog*, and *MLA Bibliography*. Additional indexes from UMI are available on the OPAC.

A staff of professional librarians provides reference and reader assistance to users, as well as instruction to classes and individuals in effective use of library resources.

Curry Library contains several special collections of poetry, children's literature, limited and first editions, and religion in addition to the archives of the college. The most notable is the private library of Reverend Charles Haddon Spurgeon, the great English Baptist pastor. The library also houses the William E. Partee Center for Baptist Historical Studies, sponsored by the college and the Missouri Baptist Historical Commission. The center holds an extensive collection of Baptist papers and other important historical material.

The Learning Resource Center, located on the Intermediate Floor of Curry Library, offers

listening and viewing facilities for individuals and small groups. Housed in the LRC is a collection of 21,100 non-print materials (records, audio cassettes, compact discs, multimedia, and videotapes) plus a collection of scores and supplemental print materials. The LRC also has a multi-media classroom equipped with state-of-the-art video projection systems.

Preparation for Special Careers

Believing that a liberally educated person is also an individual of high competence, the college prepares students for responsible professional roles in society. Some patterns of professional and preprofessional studies are outlined below.

Arts and Sciences. William Jewell College is fully accredited by the North Central Association of Colleges and Secondary Schools and approved by the Association of American Universities. Students are prepared to enter the finest graduate schools in the country with full undergraduate credit. Students who expect to attend graduate school must, however, have superior academic records.

Students are advised to study the catalog of prospective graduate schools to ensure an undergraduate program which meets the special requirements of that school. The student's major professor should be consulted in planning a program of studies leading to graduate work.

Through a special grant, a William Jewell student may receive a scholarship for graduate study at Brown University, Rhode Island. The Marston-William Jewell Scholarship for graduate study at Brown Graduate School involves a nomination by William Jewell faculty and acceptance for admission by Brown. Further information on the scholarship is available from Brown University.

Business. The department of business administration and economics offers both general and professional training, preparing students for either graduate school or immediate entry into business or industry. The department seeks to equip students with a well-rounded knowledge of the dynamic character of economic society and the responsibilities faced by professionals in the business field.

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Hull Fellows. A. Major Hull '38 has made available a program whereby each year 20 seniors interested in business leadership are selected as Hull Fellows. These outstanding seniors are eligible to participate in a number of programs designed to give them the opportunity to make contacts in the business world and to assist them in making the transition from student to employee.

Dentistry. Admission into a college of dentistry requires at least two full years of work in an accredited liberal arts college, comprising not less than 60 semester hours. Students should consult the catalog of the school they plan to enter. Required courses usually include two semesters of each of the following: biology, English, inorganic chemistry, organic chemistry and physics.

Undergraduate preparation also should include courses which broaden the intellectual background of the student. Recommended elective subjects include advanced courses in business, English, foreign language, history, philosophy, political science, psychology, and sociology.

Education. William Jewell College has long served the communities of America by educating teachers for public schools, colleges and universities. The department of education provides preparation for elementary school teachers, subject area teachers in secondary schools and teacher/athletic coaches. Through careful planning, students can receive both the baccalaureate degree and state certification for teaching. (The purpose of the Teacher Education Program and the list of approved programs offered may be found in the Education Department section of this catalog.)

The department of education offers excellent undergraduate preparation for graduate study at the master's or doctoral level. Many William Jewell alumni are active in professoriates at major universities and colleges in the United States.

Engineering. William Jewell College is one of a limited number of liberal arts colleges which have entered into an agreement with Washington University in St. Louis for a "three-two" program in engineering. After three years in residence at William Jewell College and two years at the Washington University School of Engineering the student can achieve both the A.B. degree and the B.S. degree in engineering.

William Jewell College also maintains similar "three-two" plans with Columbia University in New York, the University of Missouri at Columbia, and the University of Kansas (electrical engineering only).

Students who expect to receive an A.B. degree before entering an engineering school should major in chemistry, mathematics, or physics, depending upon the type of engineering school in which they plan to complete their studies. Since the semester-hour load is unusually heavy, students are advised to plan their work very closely with the official advisor for this specialized program.

Pre-Engineering Program of Studies. For students intending to complete professional study at Washington University in St. Louis, Columbia University in New York, the University of Missouri at Columbia, or the University of Kansas, the following program emphasizing physics is suggested:

Freshman

FALL SEMESTER	HRS.
Physics 213	5
Mathematics 199	4
English 100	4
Religion 110, 111, or 117	4
	<hr/> 17

SPRING SEMESTER	HRS.
Physics 214	5
Mathematics 200	4
Communication 100	4
Chemistry 121	4
	<hr/> 17

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Sophomore

FALL SEMESTER	HRS.
Mathematics 201	4
Chemistry 122	4
Foreign Language	4
Social Science	4
P.E. Activity	1
	<hr/> 17

SPRING SEMESTER	HRS.
*Physics 332 or 318	4
Foreign Language	4
Humanities	4
Graphics 105	2
P.E. Activity	1
	<hr/> 15

Junior

FALL SEMESTER	HRS.
Physics 306	4
Physics 443	4
Social Science	4
Humanities	4
	<hr/> 16

SPRING SEMESTER	HRS.
*Physics 316/317	4
Mathematics 202 or 281	4
Literature	4
Social Science	4
	<hr/> 16

*These courses are taught every other year and may be taken in reverse order.

A specific requirement of Washington University is that, for the 18 total hours required in the Social Sciences and Humanities, an area of emphasis must be defined with eight semester hours taken in one department. At least one of these courses in the area of emphasis must be at the upper-level (junior-senior, 300-400, etc.). Students are also expected to have had a computer course or have proficiency in a computer language.

Forestry and Environmental Management. William Jewell College, in cooperation with the School of Environment of Duke University, offers a five-year coordinated program in forestry and environmental management (three years at William Jewell and two years at Duke University), leading to both the bachelor of arts and master of forestry or environmental management degrees. Applicants for this liberal arts-environment program should so indicate at the time of enrollment in college. Details of the program are available in the biology department.

Journalism. Courses needed for admission to professional schools of journalism **usually** include Freshman English, 4 semester hours; literature, 6 semester hours, including 4 semester hours of British literature; biological or physical science, with lab, 4 or more semester hours; economics, 4 semester hours; foreign language, through completion of the intermediate (third semester) course; political science (American Government), 4 semester hours; sociology, 4 semester hours.

Law. Almost every accredited law school recommends that students expecting to enter an accredited law school should pursue undergraduate work with the following objectives in mind: 1) clear comprehension and concise expression in the use of language, 2) historical and critical understanding of human institutions and values, 3) creative power in thinking. Courses in biology, debate, economics and accounting, English, history, philosophy, political science and speech are recommended. Students have considerable latitude in choice of majors, but intensive application and a high level of attainment are important. Consult with a member of the Pre-Law Advisory Committee (members are listed in back of this catalog).

Medical Technology. In cooperation with North Kansas City Hospital, William Jewell College offers a four-year program leading to a bachelor of science degree and registration as a medical technologist. The first three years are spent in residence at William Jewell with the fourth year in the hospital program. After the successful completion of the program, a student may be certified in this field by passing

The Academic Program

one of several examinations. A student in this program may emphasize either biology or chemistry.

The following curriculum would lead to a B.S. degree in medical technology with an emphasis in biology:

Biology—

Required: 131, 132, 221, 244, 346, 410.

Recommended: 243, 325, 420.

Chemistry—

Required: 122, 206, 301-302.

Recommended: 303, 306.

Mathematics—

Required: 145 or higher

Recommended: 216, familiarity with computers.

Physics—

Required: 111, 112 (or 213, 214).

General Education Requirements:

English 100

Communication 100

2 hours of at least 2 P.E. activities

Religion 110, 111, or 117

12 hours of Social Sciences

8 hours of Humanities (including 4 hrs. in literature).

The following curriculum would lead to a B.S. degree in medical technology with an emphasis in chemistry:

Chemistry—

Required: 122, 205, 206, 301-302.

Recommended: 303, 306.

Biology—

Required: 132, 221, 244, and 410.

Recommended: 131, 243, 325, 346, 420.

Mathematics—

Required: 145 or higher.

Recommended: 216, familiarity with computers.

Physics—Required: 111-112 (or 213-214).

General Education Requirements:

English 100

Communication 100

2 hours of at least 2 P.E. activities

Religion 110, 111, or 117

12 hours of Social Sciences

8 hours of Humanities (including 4 hrs. in literature).

Medicine. Students planning to study medicine should consult the chairman of the pre-medical advisory committee. The number of years of premedical work required varies with different schools. Some schools require only three years, but most now require the bachelor's degree. Students who expect to be admitted to a medical school must maintain a high scholastic record.

Admission to a health professional school is based on an aptitude test, scholastic record, and recommendation from the college pre-medical advisory committee.

The general course requirements are as follows: chemistry, 16 to 20 semester hours; biology, 8 to 16 semester hours; physics, 8 semester hours; English, 6 to 10 semester hours; math, 4-8 semester hours. The remaining courses should be selected from the Humanities or Social Sciences: economics, English literature, history, philosophy, psychology, sociology. Some schools require a reading knowledge of French or German. Students should consult catalogs for medical schools that they expect to attend.

Some professional health options for students are allopathy, dentistry, optometry, osteopathy, podiatry and veterinary medicine.

Ministry. William Jewell College follows closely the recommendation of the American Association of Theological Schools on pre-seminary study. A summary of college recommendations follows:

I. The function of pre-seminary studies

Skills and mindset

1. Communication skills: writing and speaking.
2. Ability to think critically.
3. Appreciation for the great Christian traditions while remaining attentive to one's own and others' experiences.
4. Awareness of growing sense of moral responsibility, both personal and social.
5. Awareness of the world and its complexities, especially as they relate to the Christian mission.

Information Base

1. A fundamental understanding of the tools and methods of biblical interpretation.

The Academic Program

2. A basic grasp of biblical history and the Christian heritage.
3. An awareness of the theological and biblical resources which shape Christian ethics.
4. Familiarity with the historical, philosophical, and literary developments of Western civilization.
5. Awareness of non-Christian and non-Western religious traditions.
6. A basic competence in New Testament Greek syntax, grammar, and reading skills.
7. Some basic "hands on" experience in ministry (through the Church-Related Vocations program).

II. Subjects in pre-seminary study

By combining their study in the religion department with a complementary area of study at William Jewell, students will be better prepared for the significant learning experiences of seminary and for the field of service to which they have been called. The religion major normally requires a minimum of eight four-hour courses beyond the basic religion course required of all William Jewell students. This requirement leaves enough hours to pursue another area of study to provide a solid liberal arts base for seminary study.

Possible combinations are:

Pastoral Ministry—religion + literature or history

Church Music—religion + music

Church Recreation—religion + recreation or sports management

Evangelism—religion + communication

Mission Field—religion + foreign language

Christian Counseling—religion + psychology

Denominational Service—religion + business

III. General Information

1. All pre-seminary students are to have the chair of the department of religion or a professor of that department on their advising committee throughout their course of study. When a major other than religion is chosen, a joint program of advising will be undertaken with the chair of the department of major study advising in academic matters pertaining to the major. The double major (religion plus another area) is strongly recommended.

2. Students desiring continuation of their Church-Related Vocation tuition concession are advised to see the director of the Church-Related Vocation program at each fall registration period.

Nursing. The nursing program reflects the broad educational values of William Jewell College and leads to a bachelor of science degree which is the educational requirement for professional nursing practice. A carefully planned four-year curriculum includes courses in the liberal arts and sciences, nursing courses, and courses supporting the professional studies. The program and admission procedures are described in the nursing section of Courses of Study.

Occupational Therapy. Completion of the following leads to an A.B. degree with a psychology major from William Jewell after successful completion of the first year's work at Washington University. (The student continues at Washington University and, upon successful completion of the program, receives the M.S. degree.)

*ENG 100	4 cr. hrs.
COM 100	4 cr. hrs.
REL 110, 111, or 117	4 cr. hrs.
P.E. Activities	2 cr. hrs.
Humanities: 12 hours in two areas, including literature course	12 cr. hrs.
Language: 12 hours in one foreign language (or equivalent)	12 cr. hrs.
*PSY 211, 303 & 306	12 cr. hrs.
*MAT 216	4 cr. hrs.
*BIO 132	4 cr. hrs.
*BIO 244	4 cr. hrs.
*CHE 111	4 cr. hrs.
CHE 112	2 cr. hrs.
*PHY 103	4 cr. hrs.
*Sociology	4 cr. hrs.
*Political Science/Economics	4 cr. hrs.
Electives	14 cr. hrs.

Total hours at William Jewell 94 cr. hrs.

Completed at Washington University during first year (includes 18 hours accepted for PSY major) 34 cr. hrs.

Total hours completed 128 cr. hrs.

*Prerequisite courses: grade of C required.

The Academic Program

A cumulative grade point average of 3.0 is required for acceptance into the program. A list of students who will be submitting applications to this cooperative program will be sent to Washington University by December 1, following successful completion of the sophomore year at Jewell.

For more information, contact the chairman of psychology.

Physical Therapy. Students interested in pursuing a Master's degree in physical therapy after graduation from William Jewell should take the courses listed under Sports Medicine in the Physical Education section of the catalog. Requirements for Physical Therapy Master's programs vary, so pre-physical therapy students should also consult the pre-physical therapy advisor. Recommended major: Biology or Psychology.



Courses of Study/Art

Courses of Study

Courses in the college are organized by academic departments, or disciplines, with an increasing number of courses offered along interdisciplinary or cross-departmental lines. Students may choose from 30 conventional areas of concentration, "majors," or they may design an area of concentration in consultation with their advisor, using the resources of one or several academic departments.

Some examples of self-designed curricula are noted in the section on Curriculum, in this catalog. Conventional majors include accounting, art, biology, British studies, business administration, chemistry, communication, computer science, economics, elementary and secondary education, English, French, German studies, history, international business/language, international relations, mathematics, medical technology, music, music education, nursing, philosophy, physics, political science, psychology, public relations, religion, sociology, Spanish, and systems and data processing.

Students choosing an area of concentration, whether conventional or nontraditional, will need to see that it meets certain guidelines:

1. It must have an inner logic and coherence based on clearly stated principles of organization. The coherence should be easy to establish in traditional departmental majors, though even here it should be thought out so that the principles of organization are clear. In a non-traditional major these principles will be especially important to the validity of the program.
2. It must be clearly defined in scope so that it is not excessively broad or narrow.
3. It must take into account outside requirements that may affect the student's goals: teacher certification, graduate school admission, etc.
4. It must take into account the language or competency requirements associated with the proposed area of concentration. These requirements will be established in the same manner as specific course requirements for the area.

The college reserves the right to add courses or omit courses for which demand is insufficient to justify offering. Credit for courses is indicated in semester hours. Courses in the series 300 and 400 are primarily for juniors and seniors. The official schedule of classes is presented in a newspaper format and distributed prior to preregistration each semester.

With the written approval of the instructor, the department chairman, and the Dean of the College, any courses herein listed may be offered for fewer than the number of credit hours indicated.

COURSES LISTED NORMALLY MEET EVERY YEAR UNLESS OTHERWISE INDICATED.

Art

Professor Johnson, chairman; Associate Professor Lueders.

Major: 36 hours (with grades of C or better); normally including ART 125, 225, 325, 250, 251, 253e or 253f, 203, 303, 312, and 2 credit hours of 450. A maximum of 40 hours of art courses will apply toward degree requirements. The art department offers a bachelor of arts degree. Students completing a second major in art must also complete all requirements for the bachelor of arts degree.

Students in printmaking are required to donate examples, mutually acceptable to student and department. Graduating art majors are required to donate an example of their work, mutually acceptable to student and department.

Art courses numbered 200 or above may be applied toward fulfillment of humanities requirements.

103. Ceramic Design. 4 cr. hrs.
Hand constructed and wheel thrown pottery. Basic glazing techniques.

125. Drawing and Painting. 4 cr. hrs.
Basic drawing and painting techniques.

203. Visual Design. 4 cr. hrs.
Basic composition; color. Essentially two-dimensional with various materials.
Fall semester.

Art

225. Drawing and Painting. 4 cr. hrs.
Advanced drawing; oil painting techniques.
Prerequisite: ART 125.

240. Artforms: Understanding and Enjoying the Visual Arts. 4 cr. hrs.
An introductory course designed to promote understanding and enjoyment of the visual arts. Spring semester.

250. Western Art History I. 4 cr. hrs.
Survey of prehistoric through Gothic art and architecture. Fall semester.

251. Western Art History II. 4 cr. hrs.
Survey of art and architecture from Early Renaissance up to the 20th century. ART 250 recommended but not required. Spring semester.

253, 353, 453, Special Topics in Art History. 1-4 cr. hrs.
Selected topics covering specific style(s), historical and/or geographical arena, purpose, iconography will be studied via the visual arts. These topics may include but are not limited to: (a) Ancient and Primitive Art, (b) Eastern and Oriental Art, (c) Medieval and Christian Art, (d) Renaissance and Baroque Art, (e) Modern Art (19th-20th century), (f) Contemporary Art (art after World War II), and (g) other topics to be announced. Prerequisite: Sophomore standing, or consent of instructor.

303. Sculptural Design. 4 cr. hrs.
Three-dimensional and sculptural design.
Prerequisites: ART 125, 203. Spring semester.

312. Printmaking Studio. 4 cr. hrs.
Basic techniques and experiments in monotypes, relief, and dry-point etching.
Prerequisites: ART 125, 203. Fall semester.

325. Drawing and Painting. 4 cr. hrs.
Advanced painting. Prerequisites: ART 225, 203.

149, 249, 349, 449. Special Techniques. 2 cr. hrs.
Includes but not limited to the following, as student demand and faculty availability allow course to be offered. 100 level must be taken before 200 level.

149a. Jewelry.

149b. Photography (Eve. Div.). Covers proper exposure, development and printing of black and white negatives. Emphasis on design and composition.

149c. Weaving/Fibers.

149d. Ceramics.

149e. Calligraphy. Learn three or more letter styles while acquiring skill with broad-nibbed pen. Creative use of color and design.

149f. Independent Study (Art Strands). Use of prescribed lessons in a book (available in bookstore) to encourage creative encounters with art concepts and materials. For non-art majors whose schedules deny access to art courses.

149i. Illustration.

149k. Airbrush.

149l. Figure Drawing.

149m. Computer Graphics. Will cover several major computer software programs ranging from postscript drawing to page layout.

149n. Graphic Design.

450. Senior Portfolio.

450p. Senior Portfolio. 1 cr. hr.

450e. Senior Exhibit. 1 cr. hr.

The "business" of art; preparation of slides, portfolio, resume and senior exhibition. Weekly consultation with seminar instructor and/or Gallery Director.



Biology

Biology

Professor Dilts, chairwoman; Associate Professor Newlon; Assistant Professor Gabrielson; Instructor Good.

The biology department offers a bachelor of arts degree in biology. Those who select biology as a second major must complete all requirements for the bachelor of arts degree. Upon completion of a biology major a student will have been exposed, through comprehensive introductory biology courses and a selection of advanced courses, to a broad biology background while having had the opportunity to explore specific areas of interest through special topics seminars and a senior thesis project. In addition, the student will have been enriched by seminars that focus on the history and philosophy of science and the moral/ethical and sociopolitical dimensions of biology. A degree in biology would allow a student career options in such fields as education, research, medicine, biotechnology and industry either through immediate entry into the career or further study at the graduate level.

The department also offers opportunities for study outside of the traditional major (see section in catalog entitled Preparation for Special Careers). Those interested in careers in health-related fields may add a pre-physical therapy or sports medicine concentration through the physical education department or earn a bachelor of science degree in medical technology with emphasis in biology. For those interested in the environment, William Jewell offers a three-two program with Duke University leading to a master of forestry degree or a master of environmental management degree.

Students majoring in biology may receive certification to teach biology in grades 7-12 in the state of Missouri. Procedures to be followed in obtaining teacher certification are included in the *Student Handbook for Teacher Certification*. Specific course requirements for all certification programs may be found on check sheets available in the education department office.

Required for a bachelor of arts degree in biology are the following:

1. Admission to the department: Completion

of three biology classes of at least 4 credit hours each including BIO 131 and 132 or the equivalent; G.P.A. minimum of 2.5 in biology and 2.75 overall; a formal application.

2. Chemistry: Minimum: CHE 121,122 or equivalent (organic chemistry is strongly recommended)

3. Physics: Minimum: Physics 111,112

4. Mathematics: Minimum: MAT 145 or equivalent (at least one semester of calculus is strongly recommended)

5. Senior thesis: three-semester research project (BIO 398-400); must have G.P.A. minimum of 2.5 in biology and 2.75 overall to begin project.

6. Other required courses:

BIO 136 and 337—"enriched major" seminars
BIO 407—selected topics seminar
one course from botany offerings:

BIO 210 or 334

two courses from zoology offerings, one from each grouping (A, B): A-BIO 241, 244, 324, or 325; B-BIO 355

two courses from cell and molecular offerings, one from each grouping (A, B): A-BIO 346 or 420; B-BIO 221, 303 or 410

(A detailed description of the requirements for the biology major is found in the Biology Department Handbook available from any biology faculty member.)

BIO 107 (General Biology) and BIO 105 (Environmental Science) are intended to meet distribution requirements for non-majors in the area of Mathematics and Natural Sciences and may not be taken to satisfy the biology requirements for the major. BIO 243, Human Anatomy, may not be taken to satisfy the requirements for a biology major.

Only grades of C or better will be accepted as satisfying the biology major requirements. Transfer students must complete a minimum of twelve hours in biology courses at William Jewell College toward the major.

105. Environmental Science. 4 cr. hrs.

An examination of ecological principles and major environmental issues. The student will study topics such as overpopulation, resource depletion and pollution. Intended for non-science major students. This course includes one lab period per week. Prerequisites: None. Offered in spring semester as faculty availability allows.

107. General Biology. 4 cr. hrs.
An introduction to the methodology and fundamental concepts of the biological sciences. Intended for those students who do not plan to major in biology or a related area. Students intending to major in biology, nursing, or other pre-professional areas should enroll in BIO 131, 132. Fall semester. The course includes one lab period per week.

131. Evolution, Ecology, and Biodiversity. 4 cr. hrs.
A survey of the organisms found in the kingdoms of the biological world, their evolution and relationships to the environment. Fall semester. Required of all biology majors. The course includes one lab period per week.

132. Cells and Systems. 4 cr. hrs.
An introduction to the study of modern biology. The student will study life's processes at the cellular level as well as how these activities are performed in tissues, organs, and organ systems. Intended for the pre-biology major or pre-professional fields related to biology. Required of all biology majors. Spring semester. The course includes one lab period per week.

136, 337. Freshman and Junior Seminars. 1 cr. hr. each
Seminars providing freshman and junior biology majors the opportunity to respond critically to the history, philosophy and ethics of science and to relate these concepts to the social and political concerns of the day. Prerequisites: For 136, a desire to be a biology major, successful completion of BIO 131 and enrollment in BIO 132. Spring semester. For 337, junior standing in biology. Fall semester.

210. Plant Biology. 4 cr. hrs.
A survey of photosynthetic protists and plants, including their morphology, physiology, ecology, systematics and economic importance. Lectures and one lab per week. Spring semester. Prerequisites: BIO 131, 132.

221. Microbiology. 5 cr. hrs.
Study of the structure, physiology, genetics, taxonomy and ecology of bacteria and viruses. Prerequisites: BIO 132 or equivalent; CHE 121 and 122 or equivalent. Fall semester. The course includes two lab periods per week.

241. Comparative Anatomy. 5 cr. hrs.
The study of the structural and functional organization of representative vertebrate species. Laboratory work includes dissection of major vertebrate groups. Prerequisites: BIO 131 and 132 or equivalent. Alternating years. Spring semester 1994-95. The course includes three lectures and two labs per week.

243. Human Anatomy. 4 cr. hrs.
An introduction to the form of the human body. All organ systems will be considered. Some aspects of development of postnatal growth will also be discussed. Does not apply toward a biology major. Prerequisite: BIO 132 recommended. Fall semester. The course includes one lab period per week.

244. Human Physiology. 4 cr. hrs.
This course is a comprehensive study of the functions of the human body. The major theme emphasizes homeostasis and how a dynamic counterbalance of all systems interacts to maintain the internal environment. Prerequisites: BIO 132, CHE 122 or equivalent. Spring semester. The course includes one lab period per week.

301. Environmental Field Studies. 2-6 cr. hrs.
A field study of environments distinct from those found in the Midwest. Offered on demand.

303. Biochemistry. 4 cr. hrs.
This is an introductory course in biochemistry which includes a study of the occurrence, structure, function, and metabolism of biologically important molecules. There is an emphasis on molecular species such as carbohydrates, amino acids, proteins, lipids, and nucleic acids. The course includes work in the laboratory. The course may be credited toward either a chemistry major or a biology major, as the student elects, but it cannot count toward both majors. Prerequisite: Organic Chemistry. Offered as student demand and faculty availability allow. Also listed as CHE 303.

324. Developmental Biology. 4 cr. hrs.
The study of patterns and mechanisms of vertebrate embryonic development. Prerequisites: BIO 131 and 132; CHE 121 and 122 or equivalent. Alternating years. Fall semester, 1994-95. The course includes one lab period per week.

Biology

325. Histology. 4 cr. hrs.

The study of the microscopic anatomy and function of vertebrate tissue and organs. Prerequisites: BIO 131 and 132; CHE 121 and 122 or equivalent. Alternating years. Fall semester, 1995-96. The course includes one lab period per week.

334. Biodiversity of Lower Plants. 4 cr. hrs.

An overview of the morphology, life histories, evolution and ecology of algae, fungi, and non-seed-bearing land plants. Lectures and one lab and or field trip per week. Spring semester. Prerequisites: BIO 131, 132.

346. Genetics 4 cr. hrs.

Mendelian and molecular genetics. Prerequisites: 12 cr. hrs. of biology; CHE 122 or equivalent. Organic chemistry recommended. Open to juniors and seniors or by consent of instructor. Spring semester. The course includes one lab period per week.

355. Ecology. 4 cr. hrs.

The study of ecological principles and how they relate to ecosystem, population, and community ecology. Application of principles to specific problems will be emphasized. Field work will include investigation of selected communities as well as data collection and statistical analysis. The course includes three lectures and one field trip/lab per week. Saturday field trips or trips covering several days may occur. Prerequisites: BIO 131 and 132. Fall semester.

398, 399, 400.

Senior Thesis.

1-3 cr. hrs. each

A three-semester (minimum) laboratory, field or library research project required for the major. BIO 398, the first course in the Senior Thesis, is generally taken the fall of the junior year. Prerequisites: admission to the major and G.P.A. minimums of 2.5 in biology and 2.75 overall.

407. Selected Topics in Biology. 1 cr. hr.

A seminar class that allows an in-depth study of topics selected from various fields in biology, e.g., human genetics, neurophysiology, animal behavior. Prerequisites: BIO 131, 132, and junior or senior standing. First and second semesters.

410. Immunology.

4 cr. hrs.

A study of the cellular and developmental biology of the vertebrate immune system including the biochemistry, genetics and pathology of the system. Prerequisites: BIO 131, 132, CHE 121, 122 or equivalent; organic chemistry strongly recommended. Offered as student demand and faculty availability allow. The course includes work in the laboratory.

420. Cell Biology.

4 cr. hrs.

A study of the structure, function, and molecular biology of cells. Prerequisites: BIO 131, 132, CHE 121, 122, Organic Chemistry strongly recommended. Alternating years. Fall semester, 1996-97. The course includes one lab period per week.

British Studies

Because of the great value of the English tradition in our governmental forms and practices, in our literature, and in our culture more generally, and because of William Jewell College's close ties to the Harlaxton Study Center and to colleges at Oxford and Cambridge Universities, an interdisciplinary major which focuses on British studies is a natural liberal arts major. The following courses are especially recommended from the William Jewell curriculum, to be combined with courses taken in England; the major ends in a bachelor of arts degree and must include 24 credit hours but no more than 40.

Strongly recommended as electives are these courses:

History 101 and 102, Western Civilization
Art History 251, 15th through 20th centuries
French, 12 or more credit hours (or French proficiency commensurate with 12 credit hours).

Required for the British Studies major:

- English History (e.g., History 223) 4 cr. hrs.
- Introduction to the Study of Language (e.g., English 335) 5 cr. hrs.
- Survey of English Literature (e.g., English 465 & 475) 8 cr. hrs.

It is required that the British Studies major study for an entire year, preferably the junior

year, in England. While there, the student should take tutorials or courses on specific English history or literary subjects.

In addition, the British Studies major might elect to do an Honors Project in a specific area of study, such as The Industrial Revolution or English Church Music of the Twentieth Century or Karl Marx's Impact on British Christian Denominations.

The British Studies major will take an independent study, British Studies 450 (4 to 6 credit hours), in the final senior semester; this experience will have as its chief purpose the synthesizing of work in the major program. An advisory committee will coordinate and direct the interdisciplinary major in British Studies.

450. Individual Project. 4-6 cr. hrs.

The British Studies Individual Project will be an independent study or tutorial with a broad and significant topic designed to cause the student to synthesize the work in the interdisciplinary major in British studies. Examples of such a topic are: The Concept and Forms of Freedom through English History; Images of the English Monarch; The Agrarian Experience; The English Worker's Self-Concept through History; The Effects of the Local Church Architecture on the Common Man in English Towns and Cities; Stained Glass, Organ Tones, Change Ringing, and Liturgy in England Since 1660. The student will prepare the topic with extensive reading and will write a paper, including bibliography. The course could be fulfilled as part of an Honors Project if all of the above stipulations are also met.

Business Adm. & Economics

Business Administration and Economics

A. Major and Dorothy Hull Professor of Business Communication Helsing, chairman; Boatwright Professor of Economics Cook; Professors Hawkins, Miller; Associate Professors Bell, Harris, Jacobsen; Assistant Professors Hoyt, Colapietro; Instructor Nickle.

F. GILBERT ANTOINE DEPARTMENT OF BUSINESS ADMINISTRATION AND ECONOMICS

The four major areas offered by the Antoine department of business administration and economics are accounting, economics, business administration, and international business/ language. Freshmen who are considering one of these majors should enroll in MAT 145 or MAT 199. Only freshmen who plan to major in accounting should take ACC 211 the spring semester of their freshman year. Business administration majors are encouraged to take courses in communication, English, Foundations, mathematics, modern languages, philosophy, political science and psychology as electives or to fulfill general education requirements.

The student graduating with a degree in business, economics, or accounting should be able to function both analytically and creatively in order to make effective business-related decisions that are informed by an understanding of appropriate technical skills and the broad economic and social forces at work in the larger community. In addition, he or she should be able to communicate effectively his or her decisions and logically support those decisions, both in oral and written methods of communication. With these abilities, the student should be prepared for the self discipline, adaptation to constant change, and the need for ongoing learning and development which will be significant elements in his or her life.

Accounting

Bachelor of science degree: A minimum of 31 hours in accounting, including ACC 211, 221, 311, 312, 321, 335, 411, 421, 431, and 451. In addition, accounting majors must take ECO 201 and 202; and BUS 201, 231, 232, 315,

and 318. Accounting majors must also take CST 155 and MAT 145 or 199. Requirements vary by state to qualify to take the C.P.A. examination.

Individual students are encouraged to develop a program which will meet these particular requirements. The student must receive a grade of C or higher in each of the courses required for the accounting major.

In addition to the requirements listed above, each major is to perform at a satisfactory level on the AICPA level II comprehensive examination which is taken during the senior year. The cost of this examination will be paid by the student.

Only accounting courses of four or more hours may substitute for those accounting courses which are listed as four-hour courses.

211. Fundamentals of

Financial Accounting.

4 cr. hrs.

The measurement of financial information, the accounting cycle and preparation of statements, analysis of statements, corporate and partnership forms of business. Only financial accounting courses of four or more hours may substitute for ACC 211. Prerequisite: sophomore standing or consent of instructor for freshman accounting majors. Recommended background: CST 155 and MAT 145.

221. Managerial Cost Accounting.

4 cr. hrs.

Fundamentals of cost accounting including cost-volume-profit analysis, job-order costing. Systems design, human behavior, budgeting, standard costs and variances are emphasized. Capital budgeting, process costing and a few related topics are studied. Only managerial cost accounting courses of four or more hours may substitute for ACC 221. Prerequisite: ACC 211 with grade of C or better.

311. Intermediate Financial

Accounting I.

4 cr. hrs.

(ACC 311 is second in the sequence of courses for the accounting major—to be taken after ACC 211.) Application of accounting theory, standards, principles and procedures to financial accounting problems. Study of the objectives of external financial statements and professional accounting. Particular emphasis on assets and liabilities. Prerequisite: ACC 211 with grade of C or better. Fall semester.

Business Adm. & Economics

312. Intermediate Financial

Accounting II.

4 cr. hrs.

Continuation of 311 with study including corporate capitalization, bonds, pensions, leases, accounting changes, analysis of financial statements, earnings per share and segment reporting. Prerequisite: ACC 311 with a grade of C or better. Spring semester.

321. Intermediate Managerial

Cost Accounting.

2 cr. hrs.

Management decision models, strategy, and control using cost information and systems with further analysis of cost behaviors. Prerequisites: ACC 221 and BUS 318 with a grade of C or better. Spring semester.

335. Income Tax.

4 cr. hrs.

Laws and regulations, determination of taxable income, deductions, exclusions, making and filing returns. Prerequisite: ACC 211 with a grade of C or better. Fall semester.

411. Advanced Financial

Accounting.

2 cr. hrs.

Accounting for partnerships, international transactions and companies. Special emphasis on consolidations. Prerequisite: ACC 312 with grade of C or better. Fall semester.

421. Governmental Accounting.

2 cr. hrs.

Concepts peculiar to the planning and administration of public and quasi-public organizations, such as government units, institutions, hospitals, and colleges. Prerequisite: ACC 211 with a grade of C or better. Fall semester.

431. Auditing.

4 cr. hrs.

Examination of financial condition and accounting procedures by public accountants and internal auditors; professional ethics; auditing standards; working papers and reports. A study of SEC reporting requirement is included. Prerequisite: ACC 312 and BUS 318 with grade of C or better. Fall semester.

451. Seminar in Accounting.

2 cr. hrs.

Study of the history and conceptual framework of accounting, research of current topics. Review for the required national comprehensive examination. Outline provided. Prerequisite: completion of all other required accounting courses with a grade of C or better. Senior standing. Spring semester.

INDIVIDUAL PROJECTS IN ACCOUNTING

360. Independent Studies in Accounting.

1-3 cr. hrs.

460. Independent Studies in Accounting.

1-3 cr. hrs.

Opportunities to pursue study in topics of particular interest are provided in independent studies with consent of instructor.

481. Accounting Internship.

6 cr. hrs. max.

Enrollment with consent of department through regular registration procedures. Requests must be submitted to the department before the term in which the work is to be completed. Performance will be evaluated through conference with the supervisor. Available only with firms having an established intern program.

Business Administration

Bachelor of arts degree. The following courses are required: ACC 211 and 221; ECO 201, 202, and 306 or 308; BUS 201, 301, 305, 315, 318, 406, and one other 300/400 level course in business administration, economics or accounting (a minimum of 21 hours of 300/400 level courses). In addition, CST 155 or CST 120 and 130, and MAT 145 or 199 are required. Students must receive a grade of C or higher in each of these required courses. A satisfactory result on a comprehensive examination, the "Business Test" administered by the Educational Testing Service, will be required of all seniors. The cost of this examination will be paid by the student.

Bachelor of science degree. The following are required: ACC 211 and 221; ECO 201, 202, and 306 or 308 and one other three-hour 300 or 400 level economics course; BUS 201, 231, 301, 305, 315, 318, 326, and 406. In addition, CST 155 or CST 120 and 130, and MAT 145 or 199 are required. Students must receive a grade of C or higher in each of these required courses.

A satisfactory result on a comprehensive examination, the "Business Test" administered by the Educational Testing Service, will be required of all seniors. The cost of this examination will be paid by the student.

Business Adm. & Economics

201. Organization and Management. 3 cr. hrs.
Fundamentals of organizational behavior and management principles. Classical functions of management and the impact of management decision-making on the organization and the people within the organization are stressed. Prerequisite: sophomore standing.

231. Business Law I. 3 cr. hrs.
Contracts, agency, employment, sales. Prerequisite: sophomore standing. Fall semester.

232. Business Law II. 3 cr. hrs.
Corporations, partnerships, negotiable instruments, bailments, real and personal property. Prerequisite: sophomore standing. Spring semester.

301. Human Resources Management. 3 cr. hrs.
An examination of the human resource function, focusing on the complete cycle of activities from initial human resource planning to final performance appraisal and outcomes. Prerequisite: junior standing, BUS 201.

305. Marketing. 3 cr. hrs.
A study of the institutions, channels, and functions involved in the distribution of goods. Prerequisite: junior standing, BUS 201.

315. Financial Management. 3 cr. hrs.
Forms of organization, financial institutions and instruments, legal aspects of finance, financial administration and decisions. Prerequisite: ACC 221 and ECO 201, 202.

316. Fundamentals of Investment Management. 3 cr. hrs.
Addressing such issues as investment setting and determination of investment objectives; primary and secondary markets and their regulation; economic and industry analysis; technical analysis; specialized investments; introduction to portfolio management and capital market theory. Prerequisite: BUS 315.

318. Elementary Statistics for Business and Economics. 3 cr. hrs.
An introductory course studying the methods of statistical description, statistical inference and decision analysis. Prerequisite: MAT 145 and junior standing. (Students may not receive credit for both MAT 216 and BUS 318.)

322. Labor Relations. 3 cr. hrs.
The growth and development of organized labor in the U.S. with an emphasis on labor law, collective bargaining and labor-management relations. Prerequisite: BUS 301.

326. Quantitative Methods in Business and Economics. 3 cr. hrs.
An introduction to mathematical techniques and applications in business and economics with an emphasis on management decision making. Prerequisite: BUS 318.

401. Readings in Management. 3 cr. hrs.
A readings course designed to explore management topics in greater depth. Included among the management areas studied are traditional approaches to management, management ethics and social responsibility, organizational innovations and timely theories of management science. Prerequisite: senior standing.

405. Readings in Marketing. 3 cr. hrs.
Recent developments in marketing, management, wholesaling, retailing, product planning and consumerism. Opportunity will be provided for examining areas of special interest to individual students. Prerequisite: BUS 305.

406. Business Problems and Policies. 3 cr. hrs.
A case study course, requiring students to apply knowledge acquired in their major program to solving complex problems which involve the functional areas of business. Prerequisite: senior standing, preferably taken during last semester before graduation.

430. Marketing Research. 3 cr. hrs.
A study and application of marketing research methods and techniques. This course will be of particular interest to those students planning to work in management, sales or marketing. The course will address current methodologies used in marketing research. Subjects covered will include problem definition, sample design, data collection, data analysis and interpretation. Prerequisites: BUS 305, BUS 318.

451. Seminar in Business Administration. 3 cr. hrs.
Writing, presenting and discussing of substantive papers on selected seminar topics. Prerequisite: senior standing or consent of instructor.

Business Adm. & Economics

451A. Seminar in International Business. 3 cr. hrs.
Reading and discussing substantive papers on selected current issues and aspects of international business. Prerequisite: senior standing or consent of instructor.

INDIVIDUAL PROJECTS IN BUSINESS ADMINISTRATION

360. Independent Studies in Business Administration. 1-3 cr. hrs.

460. Independent Studies in Business Administration. 1-3 cr. hrs.

Opportunities to pursue study in topics of particular interest are provided in independent studies with consent of instructor.

481. Business Administration Internship. 6 cr. hrs. max.
Open to majors who have a minimum GPA of 3.5 for the previous two semesters; enrollment with consent of department through regular registration procedures. Requests must be submitted to the department before the term in which the work is to be completed. Available only with firms having an established intern program.

Economics

Bachelor of arts degree: A minimum of 24 hours in economics including ECO 201, 202, 306, 307, 402, 404, 451 and one 300 or 400 economics elective. Economics majors must also complete MAT 199 and BUS 318. Students must receive a grade of C or higher in each of these required courses.

A student may take economics as a primary major only in the B.A. program. A student with a B.S. in another major may add a second major in economics by fulfilling the requirements listed in the preceding paragraph. Because the student will be receiving a B.S. degree, the student does not need to complete the additional general education courses required for a B.A. degree.

A comprehensive examination, the Graduate Record Examination, will be required of all seniors majoring in economics, the cost to be paid by the student.

100. Understanding Economic Problems. 4 cr. hrs.

This is an introductory course for students who do not intend to take any additional economic courses. The course teaches basic economic principles and analytical concepts and shows the students how these concepts can be used to analyze economic problems. This course will not fulfill any of the requirements for the Accounting, Business Administration or Economics majors.

201. Principles of Microeconomics. 3 cr. hrs.
The theory of the consumer, the costs of production, the theory of the firm, monopoly and competition. Prerequisite: sophomore standing.

202. Principles of Macroeconomics. 3 cr. hrs.
National income accounts, commercial banking and the federal reserve system, and government policies for achieving stable prices and full employment. Prerequisite: ECO 201.

306. Microeconomics (The Price System). 3 cr. hrs.
The study of prices, production, consumption, resource allocation and market structures begun in course 201, which is prerequisite. Students may not receive credit for both ECO 306 and ECO 308.

307. Macroeconomics (National Income, Activity and Employment). 3 cr. hrs.
A study of macroeconomic theory from 1890 to the present. The course shows how theory was changed in respect to changes in the economy. Prerequisite: ECO 202.

308. Managerial Economics. 3 cr. hrs.
Applied economic analysis of the firm, competitive structure within which it operates, and aggregate economic conditions which affect its decisions. Prerequisite: ECO 201, 202. Students may not receive credit for both ECO 306 and ECO 308.

320. Industrial Organization. 3 cr. hrs.
An analysis of the organization and behavior of firms and industries based upon economic theory and government competition policy. Specific topics include small versus large firms, mergers and acquisitions, entrepreneurship and competitive strategies. Prerequisite: ECO 201 or consent of instructor.

Business Adm. & Economics

324. Labor Economics. 3 cr. hrs.
The theory of wages, segmented labor markets human capital, and the causes of unemployment. Prerequisite: ECO 201.

326. Introduction to Econometrics. 3 cr. hrs.
This course is an introduction to economic model-building and forecasting. It presents a variety of models including regression, simulation, and time-series models. Practical problems involved in forecasting will be discussed. Prerequisite: BUS 318.

402. Money and Banking. 3 cr. hrs.
History and structure of the banking system, objectives and instruments of monetary policy, current monetary issues and problems. Prerequisite: ECO 202 or consent of instructor.

404. Introduction to International Economics. 3 cr. hrs.
Trade incentives and patterns, comparative advantage, trade barriers and agreements, international finance and financial institutions. Prerequisite: ECO 201 and ECO 202 or consent of instructor.

418. Public Finance. 3 cr. hrs.
The American tax and expenditure system as it affects employment efficiency, income distribution, and other objectives. Prerequisite: ECO 201 or consent of instructor.

451. Seminar in Economics. 3 cr. hrs.
Writing, presenting and discussing of substantive papers on selected seminar topics. Prerequisite: senior standing or consent of instructor.

INDIVIDUAL PROJECTS IN ECONOMICS

360. Independent Studies in Economics. 1-3 cr. hrs.

460. Independent Studies in Economics. 1-3 cr. hrs.
Opportunities to pursue study in topics of particular interest are provided in independent studies with consent of instructor.

481. Economics Internship. 6 cr. hrs. max.
Open to majors who have demonstrated excellence in economics; enrollment with consent of department through regular registration procedures. Requests must be submitted to the department before the term in which the work is to be completed. Available only with firms having an established intern program.

International Business and Language

The International Business and Language Major is a specially designed program planned for students who are strongly interested in foreign languages and who plan a career in international business. It is not the same as two majors, one in Business, the other in French, German, or Spanish, but it includes features of both majors. It includes substantial study of the language, culture and literature of France, Germany, or Spain, including the opportunity for study abroad; a solid core of business, economics and accounting courses, including opportunities for internships in international businesses; and courses in western civilization and political science. For more detailed information on this major, please see the Languages section of this catalog.

Chemistry

*Professor Lane, chairman, Professor Dixon;
Assistant Professor Dema.*

THE JAMES ANDREW YATES DEPARTMENT OF CHEMISTRY

A bachelor of arts degree with a major in chemistry requires the following courses: CHE 122, 205, 206, 301, 302, 401, 405, 303 or 306 or 402 or 404, two courses in physics (PHY 111 or higher), and two courses in calculus. A grade of C or higher is required in each course in the major. Students working toward a major in chemistry who transfer credit from other schools must satisfactorily complete in residence a minimum of 12 hours in chemistry courses numbered over 200 (and excluding independent study). Courses in chemistry which are more than ten years old will not normally be counted toward the major. Any student majoring in chemistry must complete all requirements for the bachelor of arts degree.

A student preparing for employment in chemistry, for graduate studies, or for teaching in secondary schools is strongly urged to take more than the minimal requirements in chemistry. Courses in computer science, additional mathematics, and PHY 213, 214 are also recommended.

Students preparing for the health professions will find that chemistry is an especially suitable area of concentration, since they can fulfill most of the prerequisites for medical study in the course of obtaining the major in chemistry. General chemistry and organic chemistry are required by medical schools, while biochemistry is usually recommended. Medical schools with an emphasis on research often suggest physical chemistry.

Students with a serious interest in the sciences, the health professions, or engineering will normally start the study of chemistry with either CHE 121 or 122. Many students' initial enrollment is in CHE 121, a spring-semester course, which assumes a minimal knowledge of chemistry. However, those with a strong background in chemistry and mathematics are encouraged to consider beginning with CHE

122 in the fall semester. Students with a good record in high school chemistry who plan to enroll in college chemistry are urged to take a departmentally administered placement exam, the results of which will assist the student and advisor as decisions are made about how best to use the student's talents and preparation. Students planning to major in chemistry are encouraged especially to consider beginning with CHE 122, since it makes the entry into higher-level courses much more efficient.

Possible curricula for a student majoring in chemistry are shown below. (Some electives, as well as the required courses in chemistry, are included.)

For a student arriving at college with a strong background in math and science:

Freshman fall

CHE 122 General Chemistry II

Freshman spring

CHE 205 Discoveries in Chemistry

CHE 206 Analytical Chemistry

Sophomore fall

CHE 301 Organic Chemistry I

Sophomore spring

CHE 302 Organic Chemistry II

Junior fall

CHE 401 Physical Chemistry I

Junior spring

CHE 306 Instrumental Chemistry

Senior fall

CHE 402 Physical Chemistry II

Senior spring

CHE 404 Advanced Inorganic Chemistry

CHE 405 Senior Seminar

For a student who desires to begin with the first semester of general chemistry:

Freshman fall

Mathematical preparation

Freshman spring

CHE 121 General Chemistry I

Chemistry

Sophomore *fall*

CHE 122 General Chemistry II

Sophomore *spring*

CHE 205 Discoveries in Chemistry

CHE 206 Analytical Chemistry

Junior *fall*

CHE 301 Organic Chemistry I

Junior *spring*

CHE 302 Organic Chemistry II

CHE 306 Instrumental Chemistry

Senior *fall*

CHE 401 Physical Chemistry I

Senior *spring*

CHE 404 Advanced Inorganic Chemistry

CHE 405 Senior Seminar

Students majoring in chemistry may receive certification to teach chemistry in grades 7-12 in the State of Missouri. Procedures to be followed in obtaining teacher certification are included in the *Student Handbook for Teacher Certification*. Specific course requirements for all certification programs may be found on the check sheets available in the education department office.

100. Chemistry for the Consumer. 4 cr. hrs.

This is an introductory course in applied chemistry for the nonscientist. It focuses on chemical compounds and their reactions as they are experienced by people in their everyday lives. Typical topics include food chemistry, air and water pollution, chemistry of household products, energy generation, and the chemistry of sight and smell. The course includes one laboratory period per week. This course is not intended as a prerequisite for CHE 111 or 121. Fall semester.

111. Fundamentals of Chemistry. 4 cr. hrs.

An introduction for the non-science major to the basic principles of chemistry will be accomplished in this course. Topics will include scientific measurement, chemical nomenclature, atomic structure, chemical energy, stoichiometry, chemical bonding, solutions, acids and bases, buffers, and nuclear processes. The course includes one laboratory period per week and was designed for students who have little or no background in chemistry. CHE 111

is especially appropriate for students interested in allied-health fields. This course is not intended as a prerequisite for CHE 121, 122, or other courses in chemistry. Fall semester.

112. Chemistry of Life

2 cr. hrs.

This course is a continuation of the introduction of the fundamentals of chemistry started in CHE 111 for the allied-health student. Coverage in this class will be limited to organic chemistry and biochemistry. Prerequisite: CHE 111. Spring semester.

121. General Chemistry I.

4 cr. hrs.

Principles, concepts, and methods which are basic to the study of chemistry are introduced in this course. Typical topics include inorganic nomenclature; atomic structure; stoichiometry; gases, liquids, and solids; chemical energy; and solutions. The course includes one laboratory period per week. Because many of the same topics are addressed in CHE 111 and CHE 121, students may not receive credit for both courses. Prerequisite: High school chemistry (or the equivalent) and two courses in algebra. Spring semester.

122. General Chemistry II.

4 cr. hrs.

This is a continuation of the introduction to chemistry which was begun in CHE 121. Typical topics include kinetics; equilibrium; acids, bases, and buffers; electrochemistry; nuclear chemistry; organic chemistry; and biochemistry. The course includes one laboratory period per week. Prerequisites: CHE 121 or permission of the instructor. Fall semester.

205. Discoveries in Chemistry

1 cr. hr.

In this course, students will be introduced to the use of the chemical literature, to the history of chemistry, and to techniques of scientific writing. The class is designed to expose students to the various resources used by chemists to research a topic. A portion of the semester will be spent reading and discussing biographical texts about important contributors to the field of chemistry. The course culminates in a final paper written on a topic of the student's choosing. Prerequisite: CHE 122. Corequisite: CHE 206. Spring semester.

206. Analytical Chemistry. 4 cr. hrs.
This course is a survey of the field of analytical chemistry. Topics covered include methods of classical quantitative analysis, instrumental methods of quantitative analysis, sample collection and treatment, statistical analysis of data, and the application of analytical methods to real-world problems. One laboratory period per week is scheduled. Laboratory exercises emphasize both development of technique and comparison of analytical methods. Prerequisite: CHE 122. Corequisite: CHE 205. Spring semester.

301. Organic Chemistry I. 4 cr. hrs.
This course in organic chemistry begins with atomic structure and builds through functional group chemistry. The interactions between structure, reactivity, and synthesis strategy are stressed. Typical topics include atomic and molecular structure; chirality; reaction mechanisms; nuclear magnetic resonance spectroscopy; and the chemistry of the alkanes, alkenes, alkynes, alcohols, ethers, aldehydes, and ketones. The course includes one laboratory period per week. Prerequisite: CHE 122. CHE 206 is also recommended. Fall semester.

302. Organic Chemistry II. 4 cr. hrs.
The studies begun in CHE 301 continue in this course. Topics emphasized include infrared spectroscopy; the chemistry of carboxylic acids and their derivatives; synthesis and reactions of aromatic compounds; nitrogen-containing compounds; and polyfunctional group chemistry. The course includes one laboratory period per week. Prerequisite: CHE 301. Spring semester.

303. Biochemistry. 4 cr. hrs.
This is an introductory course in biochemistry which includes a study of the occurrence, structure, function, and metabolism of biologically important molecules. There is an emphasis on molecular species such as carbohydrates, amino acids, proteins, lipids, and nucleic acids. The course includes work in the laboratory. The course may be credited toward either a chemistry major or a biology major, as the student elects, but it cannot count toward both majors. Prerequisite: Organic Chemistry. Offered as student demand and faculty availability allow. Also listed as BIO 303.

306. Instrumental Analysis. 4 cr. hrs.
The course provides a study of chemical instrumentation which concentrates on the modular nature of modern instruments. Topics covered include analog and digital electronics, computer interfacing and data analysis, spectroscopy, chromatography, and electrochemistry. In the laboratory portion of the course students will assemble basic instruments from simple components as well as utilize available instrumentation for chemical analysis. Understanding the strength and limitations of methods and instrumentation is emphasized in both the laboratory and classroom portions of this course. Prerequisite: CHE 206. Physics is strongly recommended. Spring semester in odd-numbered years.

401. Physical Chemistry I. 4 cr. hrs.
Physical chemistry involves the study of the structures, physical properties, and interactions of individual molecules and collections of molecules. This first course emphasizes thermodynamics, approached from both classical (experimental) and statistical (theoretical) points of view. The one laboratory period per week will not only involve traditional experiments, but it will also include activities in data analysis and literature assignments. Prerequisites: CHE 206 and MAT 200. (Physics is strongly recommended.) Fall semester.

402. Physical Chemistry II. 4 cr. hrs.
This is a continuation of the types of studies started in CHE 401. Typical topics include quantum mechanics, kinetics, solution chemistry, and spectroscopic methods for studying molecular structure. The course includes one laboratory period per week, in which a formal and thorough style of writing reports is emphasized. Prerequisite: CHE 401 and computer literacy at the level of CST 120 and 130 or higher. Offered as student demand and faculty availability allow.

404. Advanced Inorganic Chemistry. 4 cr. hrs.
This course is a study of the chemical elements with emphasis on structure, bonding, periodic trends, and concepts relating to mechanisms of inorganic reactions. These tools are used to interpret and systematize the concepts of inorganic chemistry. The course includes one laboratory period per week. The laboratory component will complement the lecture

Chemistry

through the preparation, analysis, and study of various inorganic compounds. Prerequisites: CHE 206 and 301. Spring semester in even-numbered years.

405. Senior Seminar

1 cr. hr.

The goal of this course is assisting the chemistry major in becoming better prepared to enter a scientific profession. The class will focus on the formulation and presentation of papers on modern chemical topics. The student will develop the skills needed for researching and delivering a technical seminar. Prerequisite: Senior standing in the chemistry major or permission of the instructor. Spring semester.

407. Qualitative Organic Analysis.

4 cr. hrs.

Emphasis is placed on the identification of organic molecules via their physical and chemical properties. The process of identification will involve both traditional and instrumental techniques. Two laboratory periods per week are scheduled. Prerequisite: CHE 302. Offered as student demand and faculty availability allow.

210, 310, 410. Introduction to Chemical Literature and Research.

1-3 cr. hrs. per semester

This is a course which allows a serious student in chemistry to undertake an individual project in literature and/or laboratory research. Prior to enrollment, the student must select a topic and secure the approval of the faculty member who will supervise the work on the project as well as the approval of the chairman. The student will be expected to spend about 60 hours in research for each hour of credit. The work must culminate in a formal report, written in a style specified by the instructor.

This independent-study course should be employed as a supplement to and not a replacement for regular courses in chemistry. It may not be used as a vehicle for repeating work from another course in chemistry, and the grade from this course may not be used to replace the grade from another course in the calculation of a student's GPA.

The progression of course numbers from 210 to 310 to 410 corresponds to the increased expectations for independence of the student and originality in the work.

College-Wide

95. Study and Learning Strategies. 1 cr. hr.

This course is designed to increase students' awareness of learning processes and to increase classroom learning effectiveness. Students will learn about various techniques in reading, test taking, time managing, note taking and studying. The students will be using their best techniques in current courses. **Elective credit only.**

96. Efficient Reading. 1 cr. hr.

A reading course designed for improving college-level reading rate, comprehension, and vocabulary. Emphasis will be on rate improvement; however, techniques will increase concentration and make textbook reading more effective. **Elective credit only.**

97. Library Research Techniques. 1 cr. hr.

A practical introduction to library research techniques, resources, and strategies for effective library use. Not merely an orientation course for beginning students, but designed to be of significant value to students at all levels. Emphasis will be on the nature and use of bibliographical aids and researching the documented paper. **Elective credit only.**

98. Career Explorations. 1 cr. hr.

A course designed to build confidence, insight and skills in career decision making, Career Explorations incorporates a high degree of self-assessment. Separate sections are offered according to classification. The freshman/sophomore section focuses on choosing a major while the junior/senior section is concerned with managing an effective job search. Career Explorations also exposes students to the world of work and methods for career research. **Elective credit only.**

200. Harlaxton Orientation. 0 cr. hrs.

Designed to help students prepare themselves for their study at Harlaxton College. Several class sessions give context for assigned reading and exams. Included will be academic advising; information on activities and life in England; budgets, money, and banking in England; travel; necessary documents. Passing grade required for final admission into the program. Students with schedule conflicts may apply to the Overseas Study Coordinator for

permission to satisfy the requirement by independent study and examinations. Pass/fail grading. Prerequisites: Acceptance for study at Harlaxton or interest in applying in the future.

210. Oxford/Cambridge Orientation. 0 cr. hrs.

Designed to help students prepare themselves for their study in the Oxford Overseas Study Program or as visiting students at Regent's Park College, Oxford, and Homerton College, Cambridge. Several class sessions give context for assigned reading and exams. Included will be academic advising; information on activities and life in the University cities; budgets, money, and banking in England; travel; necessary documents. Passing grade required for final admission into the programs. Students with schedule conflicts may apply to the Overseas Study Coordinator for permission to satisfy the requirement by examination. Pass/fail grading. Prerequisites: Acceptance into one of the programs or interest in applying in the future.

340W. Colloquium in the

Teaching of Writing.

3 cr. hrs.

This course will explore the fundamental theories of teaching writing and techniques of peer-tutoring. Designed to provide training for members of the Writing Fellows program, the course is concerned with both the integrity of the theories and their practical applications in a tutoring situation. Prerequisite: Completion of ENG 100 or equivalent and selection into the Writing Fellows program.

Communication

Communication

Georgia B. Bowman Professor Willett, chairman; Professors K.B. Harris, L.A. Harris; Assistant Professors Brown, Day, Lane, Thompsen, and Zeltner.

The department offers a bachelor of arts degree with emphasis in either public communication or theatre. Regardless of emphasis chosen, all communication majors take common/core courses. A grade of C or higher is required in each course for the major. Students must keep an account of all communication courses they take above the 40 hours allowed in a specific subject area for any bachelor of arts major and add the hours involved to the 124 required for graduation so that they can be graduated on schedule (i.e., the student must take at least 84 hours outside the Communication Department.). **For communication majors:** No communication courses may count toward general education or as a writing course. **For non-majors:** COM 271, 310, and 380 may count towards general education, and those marked with a W in a given semester count as writing courses. COM 100 is a prerequisite for all courses in the department except for COM 270, Basic Acting.

Application for the Major. Students wishing to major in the Department of Communication must formally apply for admission into the department. The admission process includes:

1. taking Communication 100 or its equivalent and having a grade of at least B-;
2. taking and passing English 100 or its equivalent and passing the Writing Proficiency Test;
3. having a cumulative GPA of at least 2.5;
4. making formal application by a typed letter affirming completion of one (1) through three (3) of the above prerequisites and an explanation of why the student wants to become a communication major;
5. addressing and sending the letter of application to the chairperson of the department. The student must check with the chairperson to verify that the letter has been received and acted upon.

Curriculum

The communication major with a public communication emphasis consists of a minimum of 34/35 hours in communication courses numbered 200 or above. The communication major with a theatre emphasis consists of 37 hours of courses numbered 200 or above.

THE CORE

Communication Theory (215)	2
Voice and Articulation (200)	2
Persuasion (218)	2
American Public Address (380)	4
Advanced Persuasion (300)	2
Senior Seminar (400)	2

14 hours

THE PUBLIC COMMUNICATION EMPHASIS

The public communication emphasis provides a generalist approach to persons interested in pursuing one of the many communication professions; it also serves well those going into such professions as business, government, ministry, and law. The courses in the public communication emphasis permit the student to apply the principles of communication she is learning in the core curriculum in a variety of context areas. Students majoring in communication with a public communication emphasis must take the following courses:

The Core	14
Telecommunications (240)	4
Press (230)	4
Oral Interpretation (310) or Basic Acting (270)	4/3
Interpersonal/Small Group (250)	4
Argumentation and Debate (221)	3
Multicultural (258)	2

35/34 hours

THE THEATRE EMPHASIS

The theatre emphasis is a generalist approach for students intent on pursuing work in academic, community, or professional theatre. The courses in the emphasis help the student lay a strong foundation in all areas of theatre;

Communication

thus, she will be graduated with a broad understanding of the art form of theatre and be ready to focus on a specific area after graduation. To further undergird the generalist approach, the theatre emphasis student should strive to select a wide range of coursework outside of communication and to develop a world view before going on to study or to work in theatre. Students majoring in communication with a theatre emphasis must take the following courses:

The Core	14
Basic Acting (270)	3
Introduction to Theatre (271)	4
Technical Theatre	
Seminars (272-279)	4 (1/2 each)
Advanced Acting (370)	3
Technical Theatre (371)	4
Directing (470)	3
Senior Theatre Performance (479)	2
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	37 hours

SPEECH/THEATRE CERTIFICATION

Students majoring in communication may receive certification to teach in grades 7-12 or extensions for grades 7-9 in the State of Missouri. Procedures to be followed in obtaining teacher certification are included in the *Student Handbook for Teacher Certification*. Specific course requirements for all certification programs may be found on checksheets available in the education department office. Prospective speech/theatre teachers should take Education 348 and other courses in the Department of Education, 12 hours of theatre, 12 hours in public address, and six hours of electives in the communication field. All majors must successfully complete a senior recital.

Courses

100. Fundamentals of Speech Communication. 4 cr. hrs.
A study of speech communication theory and practice. Preparation and presentation of various forms of speech communication activities. Topics include public speaking, small group communication, multi-cultural communication, nonverbal communication, audience analysis and listening. Fulfills requirement for graduation.

200. Voice and Articulation. 2 cr. hrs.
Concentration on the learning of the International Phonetic Alphabet and its application in the articulation and enunciation of the English language. Important for music, English, and education majors. Fall semester.

215. Communication Theory 2 cr. hrs.
A survey course designed to introduce the student to communication theory, models and contexts. The course will review the historical foundation of the field and then progress to explanations of contemporary theories.

218. Persuasion. 2 cr. hrs.
Study and practice in the construction of persuasive speeches. The course provides continuity between the beginning course of Communication 100 and the 300 level course in Persuasion. Among the units covered will be evidence and style. Communication 100 is a prerequisite.

221. Fundamentals of Argumentation and Debate. 3 cr. hrs.
The fundamentals of argumentative speech, analysis, outlining, evidence, and use of reasoning. Designed for the student who has no background in debate. Recommended for students preparing for ministry, law, and secondary speech education. Not open to students with extensive debate background. Prerequisite: COM 100.

230. Mass Media: The Press. 4 cr. hrs.
The techniques of newspaper writing, with stress on general reporting, features, and editorials. Problems in copy editing and layout. Study of the role of the press in society. Practical work on the college newspaper. Prerequisite: Sophomore standing or above.

240. Mass Media: Telecommunications. 4 cr. hrs.
An introduction to radio, television, and other electronic media. Topics include: history of telecommunications, fundamentals of telecommunication technologies, audio and video production, broadcast programming, broadcast journalism, federal regulation of broadcasting, broadcast advertising, audience measurement, and moral, social and economic implications of telecommunications. Practical experience in the use of audio and video production equipment.

Communication

250. Interpersonal and Small Group Communication. 4 cr. hrs.

Designed to guide the student into an understanding of intrapersonal communication so she can more effectively participate in interpersonal and small group communication. Within the context of a small group of her peers she is given the opportunity to put theory into practice. As she gains experience and understanding into areas such as conflict resolution and self-concept, she explores her skills in the context of the small group discussion and decision processes. Discussion, small group activities and projects, and journaling allow the student to monitor individual growth.

258. Multicultural Communication. 2 cr. hrs.

A survey course designed to introduce the student to such things as cultural differences, cultural belief systems, culture shock and acculturation, language of culture, and multicultural nonverbal messages.

270. Basic Acting. 3 cr. hrs.

Participation with class members in acting scenes and work in improvisational exercises. Basic acting technique will be taught. Mainly a practicum course with an acting assignment in a publicly performed play as the culmination of the course. Spring semester.

271. Introduction to Theatre. 4 cr. hrs.

Overview of theatre history from Greek to the present. Major emphasis on representative pieces of dramatic literature. Units of study in production aspects of theatre. May be applied toward fulfillment of humanities requirements. Attendance at area theatre productions. Fall semester.

272-279. Technical Theatre Seminars.

272. Technical Theatre Seminar: Costumes

273. Technical Theatre Seminar: Properties

274. Technical Theatre Seminar: Lighting

275. Technical Theatre Seminar: Scenery

276. Technical Theatre Seminar: Sound

277. Technical Theatre Seminar: House

278. Technical Theatre Seminar: Publicity

279. Technical Theatre Seminar: Stage Mgmt.

Technical Theatre Seminar: COM 272-279

(respectively: Costumes, Properties, Lighting, Scenery, Sound, Box Office/House, Publicity, Stage Management; thus, COM 274, Technical

Theatre Seminar: Lighting). A seminar in technical theatre practicum. Weekly meetings have a dual focus: Building skills in collaboration of work on eight specific technical theatre tasks related to WJC Theatre productions; and studying theory related to the eight areas. Each task receives one-half hour credit. Students may sign up for no more than two tasks (one hour total) per semester. Theatre emphasis students should complete all eight tasks before the semester in which they produce their Senior Theatre Performance. Enrollment upon consent of the instructor.

300. Advanced Persuasion. 2 cr. hrs.

Study and practice in the construction and delivery of persuasive speeches, with a survey of pertinent studies. Emphasis on adaptation for special audience attitudes. Recommended for students who have had previous speech training; relevant for business students, debaters, pre-law, and church-related vocation students. Prerequisite: COM 100 and 218 unless approved by the department chairman. Should be taken by majors the semester prior to COM 400. Students are discouraged from enrolling concurrently in COM 218 and COM 300 and COM 400 or 300 and 400. If students are repeating COM 218 they must complete it successfully before enrolling in COM 300. COM 300 must be completed successfully before enrolling in COM 400.

310. Oral Interpretation. 4 cr. hrs.

Designed for oral interpretation of literature as a creative process. Individual guidance and practice to help students perfect skills in oral performance of all types of literature. Study of the vocal mechanism and development of body and voice as expressive agents. May be applied toward fulfillment of humanities requirement. Fall semester. Prerequisite: COM 100.

370. Advanced Acting. 3 cr. hrs.

An in-depth study of acting theory concentrating on the techniques of Stanislavski and Grotowski. Most of the class time will be spent on laboratory theatre experiments. Final public performance to demonstrate individual theory developed by the student during the semester. Prerequisite: Basic Acting. Recommended for education, English, and music majors. Alternate years. Fall semester, 1994.

Communication

371. Technical Theatre. 4 cr. hrs.
Theory and practice in design and construction of stage scenery and makeup. Projects in lighting, costuming, and other areas of theatre production. Emphasis on needs of theatre majors, teachers, and religious and educational drama enthusiasts. Prerequisite: Basic Acting or approval of instructor. Alternate years. Spring semester, 1995.

380. History and Criticism of American Public Address. 4 cr. hrs.
Historical and critical study of significant American speakers, with analysis of structure, content, and influence of their works. May be applied toward fulfillment of humanities requirement. Prerequisite: at least sophomore standing. For majors prerequisites include COM 100, 200, 215, 218. Spring semester.

390-397. Communication Activities. 1/2-4 cr. hrs.
Designed for special activities. Credit may be obtained in forensics, theatre, interpretation, radio, television, and writing, in addition to credit in regular courses. Activities and requirements should be planned in advance with the supervising staff member. Credit available each semester. One-half (1/2) credit hour is awarded for every four hours of activity per week, one (1) credit hour for eight hours of activity per week, etc. An accumulative total of four (4) credit hours may be earned. COM 390, Teaching Assistant, is variable credit of 1-2 credit hours as determined by the instructor.

390. Teaching Assistant.

391. Oral Interpretation Activity.

392. Forensics Activity.

393. Journalism Activity.

394. Broadcasting Activity.

397. Theatre Activity.

400. Senior Seminar. 2 cr. hrs.
Required of all senior communication majors as preparation for professional and graduate work. Prerequisite: COM 300. Offered each semester.

410. Communication Seminars. 2 cr. hrs.
Topics to be announced, prior to registration, in special interest areas not justifying a regularly scheduled course. Special interest areas may include Introduction to Mass Media, Interviewing, Organizational Communication, Nonverbal Communication, Gender Studies,

Public Relations, Radio Announcing, Advanced Forensics, and Modern Rhetorical Theory.

470. Directing. 3 cr. hrs.
Designed to prepare future teachers, actors and young people's leaders to direct dramatic productions. Intensive work in play analysis. Instruction in casting, rehearsal schedules and overall production of a show. Practical experience in scenes and a one-act play. Prerequisite: Basic Acting. Alternate years. Spring semester, 1996.

479. Senior Theatre Performance. 2 cr. hrs.
A capstone theatre performance for communication majors with a theatre emphasis. The student artist directs, technically designs, and acts a major role in the theatrical production of a play. The course is usually taken in the senior year. Prerequisites: Basic Acting and consent of instructor. Advanced Acting, Directing, and Technical Theatre are strongly recommended before attempting the course. The theatre emphasis major may count toward graduation no more than eight credit hours in any combination of theatre performance and theatre activities.

490. Communication Internship. 2-6 cr. hrs.
This internship is intended to help the student make the transition from formal academic study to actual on-the-job situations. The intent is to match student career goals with an appropriate cooperating organization in order to provide increased learning opportunities for the student, who also benefits by being able to include the internship experience in credentials. Prerequisites: the student must have completed 20 hours in the major and be at least a junior. Prior to enrolling for credit, the student must work with and have approval from the director of interns. Guidelines for the internship program are on reserve in the library, at the main desk, under COM 490. The guidelines must be followed if credit is desired.

499. Independent Study. 1-2 cr. hrs.
Special creative projects or investigative studies designed by students and approved by department staff. Credit for graduation with Honors/Achievement may be given with 499. Increased credit for honors work may be given as determined by the advisor.



Education

*Professor Bleakley, chairman; Frances S. Evans
Professor Stockton; Professors Green, Moore;
Assistant Professor Garrison.*

The purpose of the teacher education program of William Jewell College is to provide an organized, integrated system of quality courses and other developmental experiences for the preparation of elementary and secondary teachers within the context of a Christian liberal arts education. The program is designed to emphasize both the development of human values that enhance the quality of interpersonal relations and the skills necessary for effective instruction.

The Education Department in cooperation with several other academic departments of the college offers the following programs leading to teacher certification that have been approved by the Missouri State Board of Education:

*Biology	7-12
*Chemistry	7-12
**Early Childhood	Pre-K-3
Elementary-until 9/01/97	1-8
after 9/01/97	1-6
**English	7-9
English	7-12
French	K-12
German	K-12
†Health	7-12
Instrumental Music	K-12
Instrumental & Vocal Music	K-12
**Mathematics	7-9
Mathematics	7-12
**†Physical Education	K-9
†Physical Education	7-12
†Physical Education	K-12
**Science	7-9
**Social Studies	7-9
Social Studies	7-12
**Speech and Theatre	7-9
Speech and Theatre	7-12
**Vocal Music	K-9
Vocal Music	K-12

*Students completing certification programs after September 1, 1997, who are seeking certification to teach biology or chemistry must

meet the requirements of the Unified Science (grades 9-12) program.

**Available only as a second field of certification to be added to regular professional certification to be obtained in another level or field.

†No new students accepted into program.

The education department offers programs in teacher education under the bachelor of arts and bachelor of science degrees. Students seeking certification to teach in elementary schools must pursue a major in elementary education under either the bachelor of arts or the bachelor of science degree. In cooperation with other departments at the college, the education department offers the bachelor of arts degree leading to secondary (grades 7-12) teacher certification in biology, chemistry, English, mathematics, social studies and speech-theatre. Bachelor of arts programs for all-level certification (K-12) are available in French and German. Bachelor of science programs for all-level certification are available in music education. Students who complete all requirements for a degree with a major in one of the approved teaching fields and complete at least twenty-eight (28) semester hours in education including all professional studies requirements for either all-level or secondary certification will earn a second major in education. Certification in early childhood education may be added to an elementary certification plan by including the appropriate courses in the student's choice of electives. Procedures to be followed in obtaining teacher certification are included in the *Student Handbook for Teacher Certification*. Specific course requirements for all certification programs may be found on check sheets available in the education department office.

Admission to Teacher Education Programs. A student seeking teacher certification in either elementary or secondary grades needs to complete a Declaration of Intent as soon as this decision is made. These forms are available in the education department office. The prospective elementary education major must have an advisor in the education department and complete a specified plan of study for a bachelor of arts or a bachelor of science degree with a major in elementary education. Students seeking certification in secondary grades must

Education

obtain a major in the teaching field of their choice, have an advisor in their major, and meet the professional educational requirements for either secondary or all-level certification. It is recommended that students seeking certification in secondary or all-level programs have an advisor in the education department. Students must meet specific criteria to apply for admittance to teacher education programs. Requirements for admission vary by program and are included in the *Student Handbook for Teacher Certification*. Application forms for admittance to a teacher education program may be obtained in the education department office.

Transfer Students/Change of Major. Students changing majors or transfer students planning to pursue teacher certification should file a Declaration of Intent form with the education department. The student should consult the *Student Handbook for Teacher Certification* for the criteria which must be met for admission to the teacher education program. Students seeking elementary certification must take the following courses at William Jewell College within seven years prior to applying for certification:

- EDU 301 Methods of Teaching Reading in the Elementary School
- EDU 309 Methods of Teaching Mathematics in the Elementary School
- EDU 314 Integrated Curriculum Methods
- EDU 410 Student Teaching in the Elementary School
- EDU 450 Philosophical Foundations of Education

Students seeking secondary or all-level certification must take the following courses at William Jewell College within seven years prior to applying for certification:

- EDU 310 Instructional Methodology
- EDU 311 Clinical/Field Experience for the Secondary Teacher
- EDU 410 Student Teaching in the Elementary School or
- EDU 424 Student Teaching in the Secondary School
- EDU 450 Philosophical Foundations of Education

Transfer students or students changing majors may find it necessary to attend college beyond the usual four years.

Student Teaching. Formal admission to a teacher education program is a prerequisite to application for student teaching. Application for student teaching must be made by the second Friday in February for the following fall and the second Friday in October for the following spring. The criteria for admission to student teaching are stated in the *Student Handbook for Teacher Certification*. Application forms are available in the education department office. A \$25 nonrefundable deposit must accompany the application and will be applied toward the student teaching fee. A student must be approved for student teaching before enrolling in EDU 410, **Student Teaching for Elementary School Teachers** or EDU 424, **Student Teaching in the Secondary Schools**.

Application for Missouri Teacher Certification. In order to obtain a Missouri teaching certificate the student must complete the official state application form (available in the education department office) in the last semester of his/her program of studies. Along with the application form, the student must furnish official transcripts from all colleges that he/she has attended and the results of the **teaching speciality test** of the NTE (National Teacher Examination) appropriate to his/her teaching field. It is strongly recommended that the student take the NTE as early as possible during the senior year. (Information regarding test scheduling, test titles, and minimum passing scores is available from the Teacher Certification Officer.)

200. Teaching the Expressive Arts. 4 cr. hrs. An integrated course for the prospective elementary teacher in which the roles of art, music and physical education in the elementary school curriculum are analyzed. Major goals of the course include (1) understanding the objectives and methods employed by the specialists in the respective areas, and (2) developing strategies for the integration of the expressive arts into the teaching of the regular classroom subjects.

205. Educational Psychology. 4 cr. hrs. A survey of the psychological principles that have special application to the teaching-learning situation. The major topics of study include educational and psychological measurement, classroom dynamics, human development, and learning. Prerequisite: sophomore standing.

210. Organization and Administration of the Elementary School.

2 cr. hrs.

A beginning course for those who plan to teach in the elementary school. Emphasis is given to the analysis of organizational designs and administration of the elementary school. The student is also introduced to a study of professional literature in elementary education.

211. Techniques of Teaching in the Elementary School.

2 cr. hrs.

A study of teaching methods, teacher-pupil relationships and curriculum used in the elementary classroom. Students acquire the knowledge and skill to plan, implement and assess learning effectively in each of four teaching models. The course must be taken concurrently with EDU 212.

212. Clinical Fieldwork in the Elementary School.

2 cr. hrs.

A course in which the teaching strategies, principles and concepts introduced in EDU 211 are practiced and observed in classroom settings through off-campus field placements. Prerequisites: concurrent enrollment in EDU 211 and sophomore standing.

234. Psychology and Education of the Exceptional Child I.

2 cr. hrs.

This course is designed for students seeking certification to teach in either the elementary or secondary school, but open to all students interested in exceptionalities in children. Exceptionalities studied are hearing impairment, gifted/talented, mentally handicapped, learning disabled and behaviorally disordered. The causes, characteristics and teaching strategies identified with each exceptionality are studied. Student projects may center on an area of interest. First seven weeks each semester.

235. Psychology and Education of the Exceptional Child II.

2 cr. hrs.

This course is a continuation of the study of the exceptional child begun in EDU 234. Exceptionalities studied are physical disabilities, visual impairment and communication disorders. Two other key areas of focus are the effects of early intervention and abuse and/or neglect on children. Students are encouraged to select projects in their particular interest area. Prerequisite: EDU 234. Second seven weeks each semester.

PROFESSIONAL EDUCATION COURSES.

Elementary education students are permitted to enroll in courses numbered 300 and above only after they have been admitted to the Teacher Education Program.

301. Teaching of Reading in the Elementary School.

4 cr. hrs.

This course will include a study of the reading process and the methods, materials, and techniques used by elementary school teachers to teach reading. Students will evaluate the effectiveness of various reading instruction programs and teach and evaluate lessons in a clinical setting. Prerequisite: Acceptance into the elementary education program. Must be taken at William Jewell College within seven years prior to applying for teacher certification.

302. Children's Literature and Instruction in Individualized Reading Techniques.

4 cr. hrs.

Acquaints the student with the best literature for elementary school children. Development of standards and criteria for selecting materials according to interest, needs, and capabilities of children at different age levels.

303. Analysis and Correction of Reading Disorders.

2 cr. hrs.

An introduction to specific methods for evaluating reading performance. Major topics of study include selection and administration of measures, interpretation of results, and development of prescriptive programs. Prerequisite: EDU 301. First seven weeks.

307. Teaching of Reading in the Content Areas.

2 cr. hrs.

A study of factors involved in the reading process, and basic skills and techniques of teaching reading in the secondary school.

309. Mathematics for the Elementary Teacher.

4 cr. hrs.

This course is a study of the structure of the number system and the teaching strategies that may be utilized appropriately to teach elementary school-age children (K-8). Students are trained to utilize a wide variety of mathematics materials to make concrete the abstractions of mathematics. Some of the manipulatives used are: unifix cubes, base-ten materials,

Education

cuisenaire rods, chip-trading materials, geoboards, metric materials, pattern blocks, attribute sets, balance materials, tangrams and fraction bars. Prerequisite: Acceptance into the elementary education program. Must be taken at William Jewell College within seven years prior to applying for teacher certification.

310. Instructional Methodology. 2 cr. hrs.
A study of various instructional strategies, methods, techniques and approaches to teaching in the secondary schools. Special emphases include lesson planning, learning activities, and evaluation. Prerequisites: EDU 205. First seven weeks. Must be taken at William Jewell College within seven years prior to applying for teacher certification.

311. Clinical/Field Experience for the Secondary Teacher. 2 cr. hrs.
A course in which the teaching strategies and principles introduced in EDU 310 are practiced in off-campus field placements. Prerequisite: EDU 310. Second seven weeks. Must be taken at William Jewell College within seven years prior to applying for teacher certification.

314. Methods of Teaching an Integrated Curriculum. 6 cr. hrs.
A course designed to integrate the methods of language arts, science and social studies in the elementary school through a thematic approach. Prerequisite: Acceptance into the elementary education program. Must be taken at William Jewell College within seven years prior to applying for teacher certification.

318. Early Childhood Education Curriculum Methods and Materials. 4 cr. hrs.
An overview of early childhood education and theories of child development. A study of developmentally based curriculum methods and materials. Techniques of observation and assessment will be stressed throughout. Prerequisites: EDU 210, 211 and 205. Spring semester.

319. Early Childhood Education: Utilizing Family and Community Resources. 2 cr. hrs.
A study of how family and community resources can be utilized for a more effective early childhood education program. Fall semester, first seven weeks.

329. Language Development. 2 cr. hrs.
A study of the development of language in the normal child. Spring semester, second seven weeks.

338. Teaching Social Studies. 2 cr. hrs.
Responsible, informed decision making is developed in this course for students seeking certification in secondary Social Studies by sensitizing them to the range of decisions they are likely to encounter as teachers of the social studies and by giving them experience in making these decisions. Students participate in lesson-planning and evaluation activities—all emphasizing decision making. Offered on demand.

340. Teaching Science in the Secondary School. 2 cr. hrs.
Methods for teaching general science, biology, and chemistry in the classroom and laboratory; objectives and organization of subject matter, evaluating the pupil's progress; selection and buying of supplies and equipment; and planning of laboratories. Offered on demand.

342. Teaching English in the Secondary School. 4 cr. hrs.
A practical course in methods of teaching various phases of secondary English. Some observation of teaching will be included. Open only to those preparing to teach English. Fall semester, odd-numbered years.

345. Teaching Mathematics in the Secondary School. 2 cr. hrs.
Methods of presenting the subject matter of mathematics courses taught in secondary school, the motivation of students, evaluation of results, evaluation and selection of texts and material. References will be made to topics of modern mathematics. Offered on demand.

348. Teaching of Speech in the Secondary School. 2 cr. hrs.
A survey of the literature of speech, a unit in curriculum planning, and study of teaching methods in theatre, forensics and general speech. Offered on demand.

349. Teaching Foreign Languages. 4 cr. hrs.
Introduction to the theory and practice of teaching foreign languages at both the elementary and secondary levels. Components include: first- and second-language acquisition,

individual learning styles, history of foreign language teaching in the U.S., curriculum planning and design, technology in the FL classroom, professional organizations, and observing FL classrooms. Offered on demand. Prerequisites: Junior standing or consent of instructor.

350. Teaching of Music for Elementary Teachers. 2 cr. hrs.
A study of the objectives, materials, curricula and methods of teaching music. Offered on demand.

351. Methods of String Instruments. 2 cr. hrs.
See Music section for course description.

352. Methods in Woodwind Instruments. 2 cr. hrs.
See Music section for course description.

353. Methods in Brass and Percussion Instruments. 2 cr. hrs.
See Music section for course description.

410. Student Teaching for Elementary School Teachers. 3 cr. hrs.
This course provides for the elementary education major to observe and teach in a public school classroom all day for eight weeks. The student is assigned to a cooperating teacher who works with the college supervisor to give the student an opportunity to teach under supervision. The student teacher must, during this time, develop in proficiency and assume complete responsibility for the children in the classroom for at least five consecutive school days. The principal and other school personnel cooperate to include, as nearly as possible, all of the experiences of a contract teacher. See *Student Handbook for Teacher Certification* for admission requirements. Last eight weeks of either semester. Must be taken at William Jewell College within seven years prior to applying for teacher certification.

411. Instructional Media. 2 cr. hrs.
A course dealing with the selection, utilization, and operation of audiovisual strategies and machinery. Emphasis is placed upon teacher-constructed materials for use in the classroom. Prerequisite: admission to a teacher education program. First seven weeks.

418. Practicum in Early Childhood Education. 1-4 cr. hrs.
This is a field experience for students seeking extended certification in Early Childhood Education, Pre K-3. Students are placed in programs or classes for young children under the direction of an experienced and able teacher. May be repeated up to the required four credit hours. Prerequisites: EDU 318.

424. Student Teaching in the Secondary Schools. 3-8 cr. hrs.
Following observation of teaching, the student, under the direction of the public school cooperating teacher and the college supervisor, assumes responsibility for teaching. Activities include attendance at teachers' meetings, PTA meetings, group seminars and workshops on campus. See *Student Handbook for Teacher Certification* for admission requirements. Last eight weeks of either semester. Must be taken at William Jewell College within seven years prior to applying for teacher certification.

430. Independent Studies in Education. 1-4 cr. hrs.
This course is provided for those students desiring or needing opportunities to pursue interests in any areas of concern to teachers. Prerequisite: GPA of 3.5.

450. Philosophical Foundations of Education. 4 cr. hrs.
The analysis of various philosophical positions and their influence upon educational rationale and practices with an emphasis upon the student's development of a personal philosophic perspective for teaching. Selected contemporary issues in legal and sociological aspects of education will be studied in depth. First seven weeks. Must be taken at William Jewell College within seven years prior to applying for teacher certification.

451. Music Methods in the Elementary School. 2 cr. hrs.
See Music section for course description.

452. Vocal Music Methods in the Secondary School. 2 cr. hrs.
See Music section for course description.

453. Instrumental Methods in the School. 2 cr. hrs.
See Music section for course description.

Education

462. Vocal Pedagogy. 2 cr. hrs.
See Music section for course description.

465. Practicum in International Education. 8-12 cr. hrs.
A field experience in American higher education. Students from foreign countries are placed in beginning to advanced level foreign language classes at William Jewell College. Students serve as course assistants under the direction of a foreign language professor. Prerequisite: completion of a post-secondary course of study at a foreign institution. Graded pass/fail. May be repeated.

470. Seminar in British Primary Education. 2 cr. hrs.
A study of the philosophy, curriculum, and methods of the British primary schools. The course must be taken as a prerequisite to EDU 475. Offered spring semester each year.

475. Practicum in British Primary Education. 4 cr. hrs.
A four-week practicum in a British primary school supervised by a member of the education faculty. Prerequisites: junior standing and admission to the Teacher Education Program or a valid teaching certificate and completion of EDU 470. Qualified students may receive graduate credit for EDU 470 and 475 through arrangements with other colleges. Further information may be obtained from the education office. Offered spring semester each year.



English

Professor Williams, Chairman. Oxbridge Professor Dunham; Professors Canuteson, Munro, Robinson, Shannon; Associate Professor Harriman; Assistant Professors Powers, Walters; Instructor Carlson.

THE JOHN PHELPS FRUIT DEPARTMENT OF ENGLISH

Successful completion of English 100, Freshman Composition, is required before the student registers for credit hours beyond a total of 45 ~~and~~ to assure writing competency. All students must pass a minimum competency, but are urged to achieve beyond the minimum.

Students who have scored at the 90th percentile or higher on the English test of the ACT, who have scored at 4 or 5 on the composition part of the AP program, who have made a high score on the CLEP test in composition, who have taken an advanced composition or college composition course in high school, or who otherwise have distinguished themselves in writing capability should attempt to achieve advanced placement in English Composition. During the student's first semester at William Jewell College, the student should take the Proficiency Test of Writing Skill; a demonstration of competence on that test entitles the student to enroll in ENG 125 or, with permission, in ENG 220, ENG 315, or ENG 325.

After achieving the required writing competency, either in English 100 or by the advanced placement method, students will be expected to maintain that competency or an even higher standard. If a professor finds a student's writing to be below standard, that student will be referred to the Academic Achievement Center for additional or remedial work.

A literature course of four hours is required to assure that the student has examined features of life and values by reading and understanding literature. The courses which fulfill this requirement are indicated by an asterisk (*) beside each course number. English 255, Studies in Literature, is specifically designed for the student with minimal background in literary study and a general interest. Because various subjects are offered each semester in this course, a student may take more than one

semester of English 255. The second Studies in Literature course the student takes must have a subject matter different from the first such course taken.

All English courses except 100, 125, 220 and 310 apply toward fulfillment of the Humanities group requirements for graduation; two 255 courses, if the subjects are different from each other, will apply toward that requirement. Freshmen may not enroll for 255 or above without specific permission to do so.

The English Major: A minimum of 32 semester hours is required of each student; the maximum possible is 40 semester hours (neither limit includes English 100).

Literature Emphasis. Recommended for those students interested in graduate studies in English, or professional studies in law, journalism, or other fields. The study of literature is an effective complement to a number of other majors at William Jewell. Total: 32 hrs.

- ENG 260. The Common Course: Short Fiction and Poetry (4)
- ENG 496. Literature Capstone (2)
- ENG 497. Senior Project (2)

At least two of the following: 8 hrs.

- ENG 265. Women's Literature (4)
- ENG 270. Minority Literature (4)
- ENG 275. Third World Literature (4)

At least two of the following: 8 hrs.

- ENG 380. Major American Author: Faulkner (4)
- ENG 385. Major British Author: Shakespeare (4)
- ENG 390. Major World Author: Brecht (4)

At least two of the following: 8 hrs.

- ENG 465. English Literature Survey I (4)
- ENG 475. English Literature Survey II (4)
- ENG 485. U.S. Literature Survey (4)

Teaching Emphasis. Recommended for those students interested in teaching English at the secondary level. For teaching certification, students must take 24 hours under the supervision of the Education Department in addition to the English and Education courses listed below. Total: 35 hrs.

English

- ENG 260. The Common Course: Short Fiction and Poetry (4)
- ENG 496. Literature Capstone (followed normally by student teaching) (2)
- ENG 342. Teaching English in the Secondary School (4)
- ENG 485. U.S. Literature Survey (4)
- ENG 335. Introduction to the Study of Language (5)

At least one of the following: 4 hrs.

- ENG 265. Women's Literature (4)
- ENG 270. Minority Literature (4)
- ENG 275. Third World Literature (4)

And at least two of the following: 8 hrs.

- COM 230. Mass Media: The Press (4)
- ENG 315. Creative Writing (4)
- ENG 325. Essay Reading and Writing (4)

And at least one of the following: 4 hrs.

- ENG 380. Major American Author: Faulkner (4)
- ENG 385. Major British Author: Shakespeare (4)
- ENG 390. Major World Author: Brecht (4)

Students majoring in English may receive certification to teach English in grades 7-12 in the State of Missouri. Procedures to be followed in obtaining teacher certification are included in the *Student Handbook for Teacher Certification*. Specific course requirements for all certification programs may be found on checksheets available in the education department office.

Writing Emphasis. Recommended for students anticipating employment in fields requiring effective writing skills. The English major with the writing emphasis is a strong complement to other majors at William Jewell, including business and communication. Total: 32 hrs.

- ENG 220. Business Writing (4)
- ENG 260. The Common Course: Short Fiction and Poetry (4)
- ENG 498. Writing Capstone and Portfolio (2)
- ENG 499. Senior Project: Writing (2)

And at least one of the following: 4 hrs.

- ENG 265. Women's Literature (4)
- ENG 270. Minority Literature (4)
- ENG 275. Third World Literature (4)

At least eight hours from the following:

- COM 230. Mass Media: The Press (4)
- COM 300. Advanced Persuasion (2)
- ENG 235. Introduction to the Study of Language (4)
- ENG 310. Writing in the Liberal Arts (2)
- ENG 315. Creative Writing (4)
- ENG 325. Essay Reading and Writing (4)

At least one of the following: 4 hrs.

- ENG 380. Major American Author: Faulkner (4)
- ENG 385. Major British Author: Shakespeare (4)
- ENG 390. Major World Author: Brecht (4)

And at least one of the following: 4 hrs.

- ENG 465. English Literature Survey I (4)
- ENG 475. English Literature Survey II (4)
- ENG 485. U. S. Literature Survey (4)

In fulfilling the general requirements for graduation, English majors are expected to choose those courses which pertain to their personal educational goals; other elective courses should introduce the major to new experiences in the humanities and social sciences and deepen one's understanding of the total environment. Students are expected to fulfill the language requirements with three semesters of French, German, Greek, Japanese, Latin or Spanish. A student may take English as a primary major only in the B.A. program; the English major as a second major combined with a B.S. primary major does not require the additional B.A. degree courses.

Classes in the English department range across many possibilities of teaching method, expected activity and content. All are based on the importance of the English language, usually in literary works, to develop reading understanding, writing skills, the demonstration of the literal and figurative possibilities of combined language, thought, and feeling, and the exercise of humane values.

99. English for International Students. 2-4 cr. hrs.

Intensive study and practice in basic skills; reading, writing, listening and note-taking, for students whose native language is other than English. The course is intended to prepare international students for successful college-level work. Students will repeat as necessary,

but no more than four hours will count as elective credit toward the 124 required for graduation. Prerequisite: Consent of instructor. Offered fall semester.

100. Freshman Composition. 4 cr. hrs.
Required of all students, though students who prove their competency by means of satisfactory completion of a rigorous English department devised test may receive advanced placement. Those who choose to take the course or who do not achieve advanced placement will receive individual attention to develop a clear, logical, and organized manner of writing. Approaches will be varied from section to section. The ENG 100 student must pass the Proficiency Test of Writing Skill as the final exam of the course; not passing the exam necessitates re-enrolling in the course. All students must pass ENG 100 before registering for credit hours beyond a total of 45. A freshman composition course is prerequisite for all other English courses. No written work can receive credit in English courses unless it meets the standards for writing established for passing ENG 100.

125. Advanced Freshman Composition. 4 cr. hrs.
A course for students who have not taken ENG 100 or a freshman composition course at another college and who have demonstrated advanced writing ability on the English department's proficiency test (given at the end of each semester). It gives practice in mental skills, including critical and logical thought, synthesis, analysis, and the use of evidence in the context of writing expository essays. Offered spring semester.

220. Business Writing. 4 cr. hrs.
A study of theory and practice in written communication within the business organization. Develops a basis for effective, professional writing of letters, memos, reports, proposals and presentations. Prerequisite: ENG 100. Offered spring semester.

222, 322, 422. Individual Writing Project. 1-4 cr. hrs.
Individual writing courses for highly qualified students only, undertaken with the close sponsorship of an English teacher and beginning with a project proposal in specific terms.

The numbers 322 and 422 are for the second and third such projects enrolled in by a student. ENG 100 and one of the advanced writing courses are prerequisite; at least one completed literature course is also preferred. Enrollment is with permission only.

235. Introduction to the Study of Language. 4 cr. hrs.
A study of the development of human language; language acquisition, structure and change; and language in human life. It is intended for any student interested in the subject; it provides humanities credit for graduation. Prerequisite: ENG 100.

242, 342, 442. Individual Practicum Project. 1-4 cr. hrs.
Individual practicum projects for highly qualified students only, undertaken with the close sponsorship of an English teacher, beginning with a project proposal in specific terms. Examples of practice are proctoring a PSI composition course, field work in dialect study, tutoring students of English as a Second Language, service in the Writing Center; in each instance the practical work is combined with reflective study and with process analysis. The numbers 342 and 442 are for the second and third such projects undertaken by a student. Enrollment is with permission only. Prerequisite: ENG 100.

252, 352, 452. *Individual Reading Project. 1-4 cr. hrs.
Individual reading projects for highly qualified students only, undertaken with the close sponsorship of an English teacher, and beginning with a project proposal in specific terms. They are sometimes available for students who desire to undertake substantial reading programs of worthy literary works. The numbers 352 and 452 are for the second and third reading projects enrolled in by a student. Enrollment is with permission only. Prerequisite: ENG 100; at least one completed literature course is also prerequisite.

255. *Studies in Literature. 4 cr. hrs.
A literary study especially for non-English majors and for fulfilling the literature requirement for graduation. Various specified sections will be stipulated (examples: American Literature, Autobiography, Ethnic Literature,

English

Introduction to Literature, Modern Poetry, Sex Roles in Literature). A student may take more than one semester of 255; to take a second semester of this course, the student must choose a subject matter different from that of the first section taken. Prerequisite: ENG 100.

260. The Common Course:

Short Fiction and Poetry 4 cr. hrs.
An introduction to literary and English studies which serves as the introduction to the WJC English major. All English majors are encouraged to take the course as soon as possible in their career at William Jewell. The course introduces the student to the forms of short fiction and lyric poetry and uses the formalist critical approach. Prerequisite: Formal declaration as an English major or permission of instructor.

265. *Women's Literature 4 cr. hrs.
A study of twentieth-century women playwrights and novelists. The course introduces students to sociological and psychological critical analyses of texts and to the process of research. This course fulfills the literature requirement for graduation. Prerequisite: ENG 100. Offered fall semester.

270. *Minority Literature 4 cr. hrs.
A study of the fiction, poetry, and drama of major twentieth-century minority writers. Students will read and analyze literary works from archetypal, sociological, and psychological critical approaches. Special emphasis will be placed on the works of African American writers. This course fulfills the literature requirement for graduation. Prerequisite: ENG 100. Offered spring semester.

275. *Third World Literature. 4 cr. hrs.
In keeping with William Jewell's emphasis on international learning and as an opportunity to learn about another culture and sensibility, this course features literary works from a developing region or continent. Examples are the literature of Africa, the Caribbean, or India. It fulfills the literature requirement for graduation. Prerequisite: ENG 100. Offered spring semester.

310. Writing in the Liberal Arts. 2 cr. hrs.
A development of writing skills to an advanced competence especially for candidates

for teacher certification. Goals include clear, easy, confident written expression and an understanding of how writing takes its place in learning. Prerequisite: ENG 100 and junior or senior standing.

315. Creative Writing. 4 cr. hrs.
A development of the techniques and practices of writing short stories and/or poetry through intense experimentation and small-group criticism and exchange. Limited enrollment. At least one completed literature course is recommended prior to enrollment. Prerequisite: ENG 100 and sophomore standing.

325. Essay Reading and Writing. 4 cr. hrs.
A development of the techniques and practices of reading and writing essays of a variety of types. Reading, vigorous output, and small-group criticism and exchange are combined. Limited enrollment. At least one completed literature course is recommended prior to enrollment. Prerequisite: ENG 100 and sophomore standing.

335. Introduction to the Study of Language (Advanced). 5 cr. hrs.
Identical to, and offered concurrently with ENG 235, but designed for the student who seeks to learn additionally about the function of language. It includes a major research/fieldwork project. Fulfills Humanities graduation and language arts teacher certification requirements. Prerequisite: ENG 100.

351. Career Paths for the English Major. 1-8 cr. hrs.
Explores career options for English majors and helps students prepare for successful careers after graduation. English 351a, Graduate Studies in English (1 cr. hr.), introduces students to methods of assessing graduate programs in English and developing a strong graduate school application. English 351b, Careers for the English Major (1 cr. hr.), examines the variety of career opportunities for English majors outside of teaching. English 351c, Internship (2-6 cr. hrs.), is a program offering majors hands-on experience in job situations. The internship experience is carefully designed to augment the skills in effective thinking, reading and writing that English majors develop in the classroom. Prerequisites: ENG 351a-b: Must have completed 16 hours in the

major, including ENG 260 and 265, 270, or 275. Offered fall semester. ENG 351c: ENG 351b, minimum 3.0 GPA, and the permission of the instructor. Offered fall and spring semesters.

380. *Major American Author:

William Faulkner. 4 cr. hrs.

A study of the major novels of William Faulkner. The course introduces students to biographical critical analyses of the author's work. The course also introduces the student to more sophisticated methods of literary research than those employed in courses at the 200 level, including extensive work with secondary sources. Prerequisites: ENG 260; and 265, 270, or 275.

385. *Major British Author:

Shakespeare. 4 cr. hrs.

A study of major sonnets, comedies, tragedies, and histories by William Shakespeare. Attention will be given to the author's life, the historical and intellectual background of the period, and critical studies of the works. It fulfills the literature requirement for graduation. Prerequisites: ENG 260; and 265, 270, or 275.

390. *Major World Author:

Bertolt Brecht. 4 cr. hrs.

A study of the major works of German playwright Bertolt Brecht. The course introduces students to biographical critical analyses of the author's work. The course also introduces the student to more sophisticated methods of literary research than those employed in courses at the 200 level, including extensive work with secondary sources. Prerequisite: Eight hours of literature. Offered spring semester.

465. *English Literature Survey I. 4 cr. hrs.

A study of selected major writers from the middle ages through the 18th century in England. This course fulfills the literature requirement for graduation. Prerequisites: ENG 380, 385, or 390; or junior standing and permission of the instructor. Offered even years, fall semester.

475. *English Literature Survey II. 4 cr. hrs.

A study of selected major writers of the Romantic, Victorian and Modern periods in England. This course fulfills the literature requirement for graduation. Prerequisites:

ENG 380, 385, or 390; or junior standing and permission of the instructor. Offered alternate years, fall semester.

485. *U.S. Literature Survey. 4 cr. hrs.

A study of selected major writers in U.S. literary history from 1800 and including major U.S. ethnic literature. This course fulfills the literature requirement for graduation. Prerequisites: ENG 380, 385, or 390; or junior standing and permission of the instructor. Offered spring semester.

496. Literature Capstone. 2 cr. hrs.

A study of the most important modern schools in literary criticism and the methods by which they derive form and meaning from texts. Students will undertake a systematic examination of the philosophical bases of the approaches to literature used in previous literature courses and will discuss the practical value of each of these approaches for literary research. Prerequisites: Completion of all 200 and 300 level literature courses required for the major; and demonstration of analytic, research, and writing competency through the departmental exam. Offered fall semester.

497. Senior Project: Literature. 2 cr. hrs.

This course is designed as the final experience in the English major with the literature emphasis, serving in part to assist students in the transition from academic to professional life. The focus of the semester will be on the production for publication of one of the following: an analysis of literary work, a creative work, or an interdisciplinary writing project, for those students with a double major. The topic will be chosen in consultation with the instructor. Prerequisite: ENG 496. Offered spring semester.

498. Writing Capstone and Portfolio. 2 cr. hrs.

The development of a writing portfolio to document the writing competencies required of the English major with the writing emphasis. The course provides the student with the opportunity to review, evaluate, and synthesize the writing experiences which he or she has had and to add to the portfolio the documents necessary to address the competency requirements. This course provides a transition for the student from academic standards to those standards appropriate for successful

English

writing in the world of work. Prerequisites: Completion of all but 12 hours of courses required for the English major with the writing emphasis; and demonstration of analytic, research, and writing competency through the departmental exam. Offered fall semester.

499. Senior Project: Writing. 2 cr. hrs.

This course is designed as the final experience in the English major with the writing emphasis, serving in part to assist students in the transition from academic to professional life.

The focus of the semester will be on a writing project, either technical or interdisciplinary, directed toward publication or professional use. The topic will be chosen in consultation with the instructor. Prerequisite: ENG 498. Offered spring semester.



Foundations

Professor Williams, Coordinator. There is no separate faculty for Foundations courses, which are taught by members of many departments.

The six courses listed below make up the core of **Program II: The Integrated Curriculum of General Education**, which is also known as the Foundations Program. These courses are open only to students fulfilling their general education requirements through Program II. They may not be taken by other students.

Admission to the Foundations Program.

Approximately 60 students are admitted into Foundations each fall. Entering freshmen, sophomore transfers, and spring semester freshmen who wish to begin the program in the fall of the sophomore year may make application to the program coordinator.

Withdrawal from the Program. Foundations students who decide that General Education Program I, the Distribution Curriculum, would more effectively serve their academic goals may transfer from Program II to Program I. However, the student should expect to complete the Program I requirements through available departmental courses, without independent studies or other special arrangements to complement either the content or the credit hours of Foundations courses. A student who wishes to withdraw must have an exit interview with the program coordinator and then submit a written request for withdrawal. A student who fails to complete a Foundations course successfully may be withdrawn from the program. A student who withdraws from the program after completing only Foundations 115 will receive elective credit.

Majors, Pre-Professional Studies, Teacher Certification. The Foundations Program combines well with most major programs of the college, including those preparing students for law or medical school or other graduate or professional studies. The program includes general education requirements for primary and secondary teacher certification.

Overseas Study and Three-Year Programs.

The Foundations Program can be completed in three years, accommodating students going overseas for a year or taking other three-year programs.

The Courses. Although the Foundations courses are integrated units, not parts of other programs, equivalent hours are included in each description so that the correspondence of hours in Programs I and II is evident.

115. Human Development. 4 cr. hrs.

A study of theories of individual human development. Examination of the decisions characteristic of each stage of life, especially those of early adulthood—decisions about self, sexuality, marriage, family life, and work. Study of literary works portraying decisions made at all stages of life provides additional insight. Fall semester, (Equivalent of 2 hrs. Social Science and 2 hrs. Humanities distribution including literature.)

125. Problems, Choices, Values, and Persons. 4 cr. hrs.

A study of traditional models of decision making and introduction to ethics and values theory. During the first part of the course, students explore philosophical ethics as a foundation for decision making. In part two, students examine and analyze current biomedical issues using ethical decision making models. Spring semester. (Equivalent of 2 hrs. Mathematics and Natural Sciences distribution and 2 hrs. Humanities distribution.)

215. Public Decision Making in the Modern Nation-State. 4 cr. hrs.

A consideration of public decision making in a modern developed nation-state or group of nation-states. Specific domestic and foreign policy problems will be treated. Particular attention will be given to the methods by which decisions are reached and the values reflected in those decisions. Fall semester. (Equivalent of 4 hrs. Social Sciences distribution.)

225. Christian Heritage and Western Culture. 4 cr. hrs.

Study of Old Testament, Greek, New Testament, Renaissance, Reformation, and nineteenth-century worlds, with emphasis on

Foundations/Geography/Geology

decisions and values involved in changing views of the good life. Analysis of some of the great books of Western civilization. Spring semester. (Equivalent of 2 hrs. Religion [Old and New Testament] and 2 hrs. Humanities distribution including literature.)

315. Developing Nations and the United States.

4 cr. hrs.

Study of selected events and issues in developing nations, focusing on one nation or on several as a group representing the characteristics of all. Special emphasis on the decisions and values of presently developing nations and on the decisions these nations pose for American foreign policy. Fall semester. (Equivalent of 2 hrs. Social Sciences distribution and 2 hrs. Humanities distribution.)

325. From Present Problems to Chosen Futures.

4 cr. hrs.

This synthesis course for the program draws from Christian ethics and biology and is structured around two seven-week projects requiring complex decision making processes. Current projects involve solving the malaria problem in a fictitious developing nation and deciding on the availability of gene therapy in America today. Spring semester. (Equivalent of 2 hrs. Religion and 2 hrs. Mathematics and Natural Sciences distribution.)

145, 245, 345. Group Study or Project.

1-4 cr. hrs.

A group of Foundations students, with the approval of the program's coordinator, may undertake a series of readings, or a research or service project and receive college credit—elective hours counting toward graduation though not toward general education requirements. Such projects may be initiated by either students or faculty and are directed by a particular faculty person. Prerequisites: The projects would always be attached to a particular Foundations course. The three course numbers allow for more than one project at different levels.

Total Hours: 24

Docents. Docent activities in Foundations 115 and 125 allow selected upperclassmen to act as peer tutors for the freshmen and sophomores enrolled in those courses. The particular activi-

ties will be specified in each course syllabus and will be carefully worked out among the docents and the supervising course instructors, but each docent will work with a small group of students in the course, leading discussions and serving as a model of intellectual rigor in approaching the issues raised by the course materials. Docents should be students in good academic standing who can accept responsibility and who respond to intellectual challenge.

Docents will be selected by the instructors and the Foundations Program Coordinator. Interested students should contact the Foundations Program Coordinator prior to preregistration.

Since docents will be expected, as a matter of course, to work at a consistently high level, grading will be pass/fail.

Foundations Practicum 350. Practicum for docents in Foundations 115. Fall semester. 2 credit hours.

Foundations Practicum 351. Practicum for docents in Foundations 125. Spring semester. 2 credit hours.

Geography

304. World Geography.

4 cr. hrs.

A regional approach to the study of world geography, based on economic achievement and processes of development in each of the regions studied. Three aspects of development are considered: (1) the people (demographic characteristics); (2) the natural environment; (3) the culture (belief systems, life style, customs, etc.). The regions studied will include the U.S.A., Canada, Western Europe, Eastern Europe, Russia, Japan, Australia and New Zealand; Latin America, Africa, Middle Eastern countries and Asia. Offered spring semester only.

Geology

201. Earth Science.

4 cr. hrs.

A study of atmosphere, hydrosphere and lithosphere. Such topics as weather, climate, space, rocks, minerals, and streams are covered. This laboratory course meets the requirement for teacher certification. Methodology of teaching is audio-tutorial. No prerequisites.

History

Oxbridge Professor Chatlos, chairman; Professor Spletstoser; Associate Professor Reynolds.

The History Major. A minimum of 30 semester hours is required for the major, a maximum of 40 semester hours is allowed. Students must take at least 8 hours in American history and 8 hours in world history. Students must take at least 12 hours of history numbered 300 or above. One of the following courses may count toward the major: Art History 250 or 251, World Geography 304 or Political Science 211, 313, 314, or 334. A grade of C or higher is required in each course for the major.

History majors are encouraged to participate in Jewell's overseas programs. All history courses help students develop skills in careful reading, effective writing, and critical thinking. A few majors may be able to take an internship. Consult with the chairman about possibilities.

General Education: Students who select history as their first major must follow the requirements for the B.A. degree; the history major as a second major combined with a B.S. primary major does not require the additional B.A. degree courses.

Class Selection: No history course has a prerequisite. Freshmen will not normally be admitted to courses numbered 300 and above. A student may enroll for either half of a course with double numbers for seven weeks and two hours' credit.

Certification: Students majoring in history may receive certification to teach history in grades 7-12 in the State of Missouri. Procedures to be followed in obtaining teacher certification are included in the *Student Handbook for Teacher Certification*. Specific course requirements for all certification programs may be found on check sheets available in the education department office.

History Honorary: Students who have completed at least 12 hours of history with a 3.1 GPA in their history courses, and at least a 2.75 GPA in two-thirds of their other courses are invited to contact one of their history instructors about membership in Phi Alpha Theta, the national history honorary.

101. Western Civilization to 1660. 4 cr. hrs.
Introduction to the study of history as a liberal art. Considers Greece, Rome, the Middle Ages, and the Renaissance and Reformation, and their contributions to contemporary life. Fall semester.

102. Western Civilization 1660 to the Present. 4 cr. hrs.
This course introduces the student to the content and methodology of modern history. Topics examined include absolute monarchy, the Enlightenment, the French and Industrial Revolutions, the rise of European nations as world powers, imperialism, modern intellectual trends, the two World Wars and their aftermath. While this course is a continuation of HIS 101, that course is not a prerequisite.

202. Introductory History Colloquium: European History. 4 cr. hrs.
This course will provide a stimulating opportunity for a select group of students to consider a topic which is limited geographically and chronologically (such as "Women in Western Europe" or "Hitler's Europe"). Students will read in primary and secondary sources. This is a discussion course.

204. Introductory History Colloquium: American History. 4 cr. hrs.
For course description see History 202.

221. History of the United States: Colonial and Early National Periods. 4 cr. hrs.
A survey of North American social, political, and economic development from the earliest discoveries and initial European colonization down through the War for Southern Independence. Fall semester.

222. History of the United States, 1865 to the Present. 4 cr. hrs.
A survey of United States history from Reconstruction of the South after the Civil War to the present. Emphasis is placed on social, economic, and political developments. Spring semester.

223. History of England. 4 cr. hrs.
A survey of the major themes, events, and people of English history from the 17th century to the present. This course introduces students to the work of historians as well as topics such as the impact of the Reformation,

History

the English Civil War, the rise of parliament and party politics, England and the War for American Independence, the Industrial Revolution, Britain as an imperial power, the two World Wars, and the welfare state.

224. Modern China. 2 cr. hrs.
A consideration of the development of China from the late 19th century to the present. Gives particular attention to China's attempts to modernize in reaction to Western and Japanese imperialism.

226. Modern Japan. 2 cr. hrs.
A consideration of the development of Japan from the mid-19th century to the present. Gives particular attention to Japan's attempts to modernize in reaction to Western imperialism.

228. Soviet Union. 4 cr. hrs.
This course examines the Soviet Union from its emergence through its dissolution. Emphasis on internal developments and relations with the rest of the world from 1917 to 1991.

300. The United States, 1850-1877: Civil War and Reconstruction. 4 cr. hrs.
A detailed account of the causes of the War for Southern Independence, the course of the war itself, and the process of reconstructing the states that formed the confederacy. Emphasis is placed on the period's historiography, upon social and political factors that propelled and grew out of the onrush of events, and upon major characters who played leading roles in the era.

301. Jacksonian America: The United States, 1820-1850. 4 cr. hrs.
This course examines the often volatile three decades from the Missouri Compromise to the Compromise of 1850. Special emphasis is placed on the mounting sectional conflict that steadily drove the nation toward disunion, the major social, political, and economic issues that sustained that conflict, reform movements and national leadership.

305. The Rise of the City in the United States. 4 cr. hrs.
A detailed examination of United States history from colonial times to the present with heavy emphasis on the city as the locus and focus of the American experience. Special

problems adherent to city building and urban life will be analyzed as will the city's continuing contributions to and dominance of American institutions and traditions.

306. American Westward Movement: A History of American Frontier. 4 cr. hrs.
The course examines the succession of American frontiers from the earliest days of New France and the Spanish Borderlands through the Anglo-American colonial frontier and the trans-Appalachian and trans-Mississippi Wests. Special emphasis is placed on the contributions of seemingly endless areas of free, or nearly free, land to the development of the "American character."

312-313. Europe in the Middle Ages. 4 cr. hrs.
The course begins with the transformation of the Roman Empire into the Middle Ages, and ends with the transformation of medieval Europe into the Renaissance. Attention will be given to such topics as monasticism, the crusades, feudalism, manorialism, the rise of papal monarchy, church-state struggles, and Gothic and Romanesque art.

314-315. Renaissance and Reformation Europe. 4 cr. hrs.
This course considers the emergence of culture and thought in the context of such developments as the black death, the Turkish invasions of Europe, the voyages of discovery, and the dynastic and marital problems of such rulers as Henry VIII. Particular attention is given to the emergence of Christian humanism, the development of Renaissance art, the Protestant Reformation and the Catholic reform and reaction.

317. Early Modern Europe. 4 cr. hrs.
This course is an advanced survey of Europe in the 17th and 18th centuries, to 1815. Students will study topics such as the Wars of Religion, the rise of absolutism, Europe and the New World, the Scientific Revolution and Enlightenment, and the French Revolution. There is usually a "focus" to this study, which may be either based in content, such as warfare through time, or methodological, such as historiography or biography. Recommended background: HIS 101, 102, or 223.

318. The Formation of Modern Europe.

4 cr. hrs.

A detailed look at the development of Europe in the 19th and 20th centuries and the work of its historians. Considers such topics as the Industrial Revolution and its impact, the rise of nationalism, Bismarck and German unification, imperialism, the rise of middle class culture, the origins and impact of World War I, the emancipation of women, the Russian Revolution, the rise of Hitler and Nazi Germany, World War II and its aftermath. Recommended background: HIS 101, 102 or 223.

325. History of the Baptists.

2 cr. hrs.

See course description for Religion 325.

330. Old Regime and Revolutionary France.

4 cr. hrs.

This course examines 18th-century France, its political structure, social relations, and economic development. Then it considers the French Revolution—its origins, course, and impact. An in-depth look at one of Europe's great 18th-century powers and one of the world's classic revolutions. Recommended background: HIS 101, 102 or 223.

402. Readings in World History. 1-2 cr. hrs.

Independent readings under professorial supervision. Writing assignments required. Limited enrollments. Must have professor's permission before enrolling. Offered every semester.

404. Readings in American History. 1-2 cr. hrs.

Independent readings under professorial supervision. Writing assignments required. Limited enrollments. Must have professor's permission before enrolling. Offered every semester.

450. Seminar Topics in European History.

4 cr. hrs.

This is an advanced seminar which will change topics from year to year. They will be limited geographically, chronologically, and by theme. One such topic will be "Law, Liberty, and Crime in England." The course will emphasize reading, discussion, and writing.

480. History Internship.

1-6 cr. hrs.

This internship is intended to give the student practical experience in positions which traditionally use professional historians (or undergraduate history majors). This would include closely supervised work at such places as museums, historical sites, and historical depositories. Usually taken during the summer. Consult the department chairman. Offered on demand.

Humanities/Ind. Study/Japanese Area Studies

Humanities

100. William Jewell College

Fine Arts Program Events.

2 cr. hrs.

A course of study which puts the William Jewell College Fine Arts Program events into the context of the College curriculum: the experiences of the performances are the subject, and readings and class sessions will provide enhancement and context for them. For freshmen only. Offered first semester of each year. Credit applies toward the Humanities group requirements.

245. Introduction to Film.

4 cr. hrs.

A study of the history of the development of cinema, the steps involved in making a film, the "visual language" of film, the work of a few major directors with emphasis on stylistic differences among them, the film criticism. Open to sophomores, juniors, and seniors. Applies toward fulfillment of the Humanities group requirement for graduation. Offered first semester.

250. European Culture.

2 cr. hrs.

This course is linked to a three-week tour of Europe sponsored by the William Jewell Summer School. Readings and a paper will be assigned in preparation for the trip; and the tour itself will involve carefully selected cultural experiences in each country, which the students will have opportunity to discuss in groups and reflect upon in a personal journal. An overview of European history, geography, and art and a discussion of practical considerations for foreign travel will take place during spring semester prior to the tour in two evening sessions. Applies toward fulfillment of the Humanities group requirement for graduation.

Independent Study

200, 300, 400. Independent Study. 1-8 cr. hrs.

250, 350, 450. Independent Study.

Group Project.

1-8 cr. hrs.

Japanese Area Studies

A student in the exchange program may earn a major in Japanese area studies through a year's successful work at Seinan Gakuin University. The major requires 12 hours of Japanese language courses at Seinan (or 4 or more hours at William Jewell and at least 6 Seinan hours earning Jewell credit) and 20 hours of other courses related to Japan. Only courses in which the grade is A, B, or C will apply toward the major. The student must fulfill all requirements for the B.A. degree.

Languages

Professor Henning, chairman; Professors A. Vera, C. Vera, Westlie; Assistant Professor Cadd.

Modern

Courses 111, 112, and 211 meet the three-semester requirement for the B.A. degree. Students who start above 111 satisfy the requirements by completing 211, or four hours at a higher level.

Any entering student may take an equivalency examination during fall or spring semesters for possible granting of credit toward graduation, equivalent to French, Spanish or German 111 and/or 112 (maximum credit allowance, 8 hours). No credit is allowed at a level lower than a course for which a student has already received credit.

Students who have not studied a language in college may receive credit for lower-level courses by completing more advanced courses with a grade of B- or higher as follows:

Credit for 112 for completion of 211; credit for 112 and 211 for completion of 212; credit for 211 and 212 for completion of a 300 level course.

Students with more than one year of the same foreign language should not enroll in the beginning course (Language 111). Students with two years may enroll in 112. Those with three years should enroll in 211 or 212. Those with four or more years may enroll in courses numbered 300 or above.

French or Spanish Major

French majors must complete 24 hours of French courses numbered 300 or above, including FRE 415.

Spanish majors must complete 24 hours of Spanish courses numbered 300 or above. The major must include at least 12 hours of literature courses and no more than 8 hours of advanced (300 level) language courses or 8 hours of civilization or culture courses.

Students completing a second major in French or Spanish must complete the requirements for the bachelor of arts degree.

A grade of C or higher is required in each course in the major.

German Area Studies Major

A minimum of 28 hours is required for the major. Sixteen of these hours are required core courses and the remaining 12 must be selected from related fields approved by the advisor. The student majoring in German Area Studies must satisfactorily complete at least one semester of study in a German-speaking country through one of William Jewell College's academic programs. Approved equivalent courses for which credit was earned in such a program may apply to the major as specified below.

Required for the German Area Studies major are:

12 hours of German courses at the 300 level; at least four (but not more than eight) of these hours must be literature hours:

HIS 317	Early Modern Europe (4)
or	
HIS 318	Formation of Modern Europe (4)

The remaining 12 hours must be selected from at least two of the following fields:

ART 250 or 251	Western Art History
HIS 202	Hitler's Europe
HIS 312-313	Europe in the Middle Ages
HIS 314-315	Renaissance/Reformation Europe
HIS 317	Early Modern Europe
HIS 318	Formation of Modern Europe
HIS 402	Readings in World History
MUS 140A	Music of Western Cultures
MUS 341 or 342	History of Western Music
PHI 301-302	Seminar (includes Nietzsche and Heidegger)
PHI 451-452	Readings in Philosophy
POL 101B	Introduction to Comparative Politics
POL 314	Modern Political Thought (Calvin, Marx, Nietzsche)
POL 321	Seminar in Comparative Politics
POL 322	International Politics and Organization
POL 452	Senior Seminar in International Relations
REL 365	The Holocaust, Christianity, and Judaism

Languages

Students completing a second major in German Area Studies must complete the requirements for the bachelor of arts degree. A grade of C or higher is required in each course in the major.

Students majoring in French or German area studies may receive certification to teach French or German in grades K-12 in the State of Missouri. Procedures to be followed in obtaining teacher certification are included in the *Student Handbook for Teacher Certification*. Specific course requirements for all certification programs may be found on checksheets available in the education department office.

International Business and Language Major

The International Business and Language Major is a specially designed program planned for students who are strongly interested in foreign languages and who plan a career in international business. It is not the same as two majors, one in Business, the other in French, German or Spanish, but it includes features of both majors. It includes substantial study of the language, culture and literature of France, Germany or Spain, including the opportunity for study abroad; a solid core of business, economics and accounting courses, including opportunities for internships in international businesses; and courses in western civilization and political science.

Required courses:

Twenty hours of courses in French, German or Spanish numbered 300 or above, including at least 8 hours of literature and 4 hours of civilization courses. Some of these courses may be taken as part of a study abroad program.

Eighteen hours of Business courses, including BUS 201, 301, 305, 315, 318, and 451A.

Nine hours of Economics courses, including ECO 201, 202, and 404.

Eight hours of Accounting courses, including ACC 211 and 221.

Twelve hours of courses in world history and political science, including POL 321 and 322.

HIS 101 or 102 (Western Civilization) is recommended, as is POL 101 (Principles of Government and Politics).

A grade of C or higher is required in each course in the major.

115, 215. Directed Study. 2-4 cr. hrs.
For special cases only, primarily upperclassmen or transfer students who need partial credit to finish out the elementary or intermediate courses, or students who have valid scheduling problems. Prerequisites for 115: the equivalent of 111 and consent of instructor. Prerequisites for 215: the equivalent of 112 and consent of instructor.

411, 412. Tutorial in French or Spanish. 1-4 cr. hrs.
Extensive directed study in an area of special interest to the student, with preparation and presentation of reports. Prerequisite: consent of the instructor. Offered either semester as needed.

French

111. Elementary French I. 4 cr. hrs.
A complete introductory college course in French covering the skills of listening, speaking, reading and writing French. Fall semester.

112. Elementary French II. 4 cr. hrs.
A continuation of French 111 using the same methods. Prerequisite: FRE 111 or its equivalent. Spring semester.

211. Intermediate French I. 4 cr. hrs.
Review of grammar, further practice in conversation and composition, with emphasis on French culture. Four class sessions per week plus one conversation session with French Assistant. Prerequisite: FRE 112 or its equivalent. Fall and spring semesters.

212. Intermediate French II. 4 cr. hrs.
Study of grammar, emphasizing subordination and the subjunctive. Introduction to literary French and practice in reading narrative prose. Structured pronunciation practice and an introduction to French phonetics and the International Phonetic Alphabet. Prerequisite: FRE 211 or its equivalent. Spring semester.

323. Introduction to French Literature. 4 cr. hrs.
An integrated introduction to French literature for students with no previous experience in the field. A detailed study of literature relating to important moments in French history; study and practice of techniques of literary analysis; review of selected grammar and sentence structure; and opportunities to speak French. Prerequisite: French 212 or equivalent. Fulfills humanities requirement for graduation. Fall semester.

324. French Novel of the 19th Century. 4 cr. hrs.
An integrated study of the French novel of the 19th century through selected, representative works; supporting study of the historical and cultural context of the 19th century; review of selected grammar and sentence structures; structured opportunities to speak French. Prerequisite: French 323. Fulfills humanities requirement for graduation. Spring semester.

351. French Theatre of the 17th and 20th Centuries. 4 cr. hrs.
An integrated study of French theatrical literature of the 17th and 20th centuries through selected, representative works; supporting study of the historical and cultural context of the 17th century; review of selected grammar and sentence structures; structured opportunities to speak French. Prerequisite: any 300 level French course. Fall semester, alternate years.

352. French Poetry. 4 cr. hrs.
A detailed study of French poetry with special emphasis on Baudelaire and modern poetry, related to the civilization of the Second Empire and Third Republic; review of selected grammar and sentence structure; and opportunities to speak French. Prerequisite: any 300 level French course. Fall semester, alternate years.

354. French Novel of the 20th Century. 4 cr. hrs.
A detailed study of French novels in the twentieth century, with emphasis on their relation to the cultural and social effervescence in France before and following World War I; review of selected grammar and sentence structures; and opportunities to speak French. Prerequisite: any 300 level French course. Spring semester.

415. Synthesis of French Literature and Culture. 4 cr. hrs.
A broad-ranging study of literary texts not included in previous courses with a view to creating an understanding of movements and trends in literature in relation to historical and cultural developments, but with particular emphasis on the 18th century; supporting study of the historical and cultural context of the 18th century; preparation of a major paper designed to foster the development of an integrated view of French literature and culture over a wide spectrum. Prerequisite: 16 credit hours numbered 323 or above. Offered on an independent study basis as needed.

German

111. Elementary German I. 4 cr. hrs.
Includes fundamental elements of listening, speaking, reading and writing German, as well as various cultural characteristics of German-speaking countries. The focus of the course is on using the grammar in communicative situations. Fall semester.

112. Elementary German II. 4 cr. hrs.
Expands upon the objectives of German I. Completes the introduction of basic German grammar and offers further possibilities of using the grammar in communicative contexts. Prerequisite: GER 111 or equivalent. Spring semester.

211. Intermediate German I. 4 cr. hrs.
Review and synthesis of grammar with expanded emphasis on communication. Further development of reading, writing, and oral skills, and a more detailed examination of the culture of German-speaking countries. Prerequisite: GER 112 or equivalent. Fall semester.

212. Intermediate German II. 4 cr. hrs.
Introduction to reading, discussing, and writing about various topics related to German society and culture. Includes common grammatical constructions present in representative selections. Prerequisite: GER 211 or equivalent. Spring semester.

Languages

301. German Conversation and Composition I. 4 cr. hrs.

Extensive practice in developing spoken and written skills. Focus is on texts assigned in class. Prerequisite: GER 212 or equivalent. Fall semester.

302. German Conversation and Composition II. 4 cr. hrs.

Continued practice in spoken and written German based on texts assigned in class. Prerequisite: GER 301, or equivalent.

350. Topics in German Studies. 2-4 cr. hrs.

Intensive study of restricted topics in German language, literature and culture. May be repeated as topics vary. Prerequisite: GER 212 and consent of instructor.

Spanish

111. Intensive Beginning Spanish I. 4 cr. hrs.

Begins with pronunciation and moves into the essentials of grammar. There is practice in conversation, composition, and reading. Students will have one class session four days a week on a four-day week schedule and a two-hour drill session in one of the three blocks, C, G or J. Fall semester.

112. Intensive Beginning Spanish II. 4 cr. hrs.

A continuation of the study of essentials of grammar with further practice in conversation, composition and reading. Prerequisite: SPA 111 or its equivalent. Students will have one class session four days a week on a four-day week schedule and a two-hour drill session in one of the three blocks, C, G or J. Spring semester.

211. Intermediate Spanish I. 4 cr. hrs.

Review of grammar, further practice in conversation and composition, reading from representative Spanish and Latin-American authors. Students will meet with the instructor four class sessions each week, and individual assignments will be given to students with special problems. Prerequisite: SPA 112 or its equivalent. Fall semester.

212. Intermediate Spanish II. 4 cr. hrs.

Introduction to Spanish literature and culture. Extensive reading in Spanish to prepare students for the more advanced courses in literature. Students will meet with the instructor four class sessions each week, and individual

assignments will be given to students with special problems. Prerequisite: SPA 211 or its equivalent. Spring semester.

305. Advanced Spanish Composition and Conversation: Commercial Spanish. 4 cr. hrs.

An in-depth study of essentials of Spanish grammar and concentrated practice of spoken Spanish, focusing on an application to situations found in the business community. Alternate years.

306. Advanced Spanish Composition and Conversation: Literary Emphasis. 4 cr. hrs.

An in-depth study of the essentials of Spanish grammar and concentrated practice of spoken Spanish. Emphasis will be on topics of interest to the student of literature, and the written work will include some creative writing. Alternate years.

307. Hispanic Civilization and Culture. 4 cr. hrs.

A study of the history and cultures of Spain and Spanish America. In-depth consideration of Hispanic art, architecture, music, literature, and philosophy. Prerequisite: SPA 212 or equivalent. Alternate years. Fulfills humanities requirement for graduation.

308. Survey of Spanish American Literature. 4 cr. hrs.

A study of the representative works of Spanish America since the days of exploration and conquest. Emphasis is placed on the literature of the 19th and 20th centuries. Prerequisite: SPA 212 or equivalent. Alternate years. Fulfills humanities requirement for graduation.

309. Survey of Spanish Literature I. 4 cr. hrs.

A study of the best of the literature from the Middle Ages until the 19th century. Special attention is paid to the "Golden Age" of Spanish literature in the 16th and 17th centuries. Prerequisite: SPA 212 or equivalent. Alternate years. Fulfills humanities requirement for graduation.

310. Survey of Spanish Literature II. 4 cr. hrs.

A study of the best of the literature beginning in 1700 with extensive readings of authors in Spain, particularly those of the 20th century. Prerequisite: SPA 212 or equivalent. Alternate years. Fulfills humanities requirement for graduation.

350, 450. Internship in Spanish.

Spanish majors in their junior or senior year may take an internship for a maximum of one credit hour. The exact nature of the internship experience will be worked out with the Spanish faculty and is subject to approval by the chairman of the department. Internship credit may not be applied to credit for the major in Spanish.

Japanese

See the section on "Japanese Area Studies" for information about a major through the exchange program with Seinan Gakuin.

111. Elementary Japanese I. 4 cr. hrs.

A complete introductory course in college Japanese. Students learn to speak, read and write Japanese. Fall semester.

112. Elementary Japanese II. 4 cr. hrs.

A continuation of JPN 111 with an increased emphasis on reading and writing Japanese. Spring semester.

211. Intermediate Japanese I. 4 cr. hrs.

Further practice in speaking and reading Japanese. Basic skills in writing Japanese are introduced. Prerequisites: JPN 112 or the equivalent. Fall semester.

212. Intermediate Japanese II. 4 cr. hrs.

This course provides extensive practice in spoken Japanese. Further practice in reading and writing progressively more complicated material. Prerequisites: JPN 211 or the equivalent. Spring semester.

311. Advanced Japanese I. 4 cr. hrs.

Extensive practice both in written and spoken Japanese. Refines the student's knowledge of Japanese language as preparation for more advanced courses introducing literature. Prerequisite: JPN 212 or the equivalent. Fall semester.

312. Advanced Japanese II. 4 cr. hrs.

Continued practice in written and spoken Japanese, and an introduction to basic literary readings. Prerequisite: JPN 311 or the equivalent. Spring semester.

411. Introduction to

Japanese Literature I.

4 cr. hrs.

Continued practice in written and spoken Japanese. Application of language skills to the study of basic literary works. Prerequisite: JPN 312 or the equivalent. Fall semester. Fulfills humanities requirement for graduation.

412. Introduction to

Japanese Literature II.

4 cr. hrs.

Continued practice in written and spoken Japanese. Application of language skills to the study of basic literary works. Prerequisite: JPN 411 or the equivalent. Spring semester. Fulfills humanities requirement for graduation.

Classics

THE ROBERT BAYLOR SEMPLE DEPARTMENT OF CLASSICS

GREEK

111-112. Elementary

New Testament Greek.

4 cr. hrs. each

Inflection, syntax, word formation and vocabulary building are emphasized along with reading simple passages from the Greek New Testament.

113. Elementary Ancient Greek I. 4 cr. hrs.

Study of classical Greek grammar, vocabulary, and syntax, to enable students to read Greek literature of increasing difficulty. Fall semester, alternate years.

114. Elementary Ancient Greek II. 4 cr. hrs.

Continued study of classical Greek grammar, vocabulary, and syntax, to enable students to read Greek literature of increasing difficulty. Prerequisite: Greek 113. Spring semester, alternate years.

213. New Testament Greek.

4 cr. hrs.

The vocabulary, inflection, syntax, and style of Koine Greek is studied as it appears in the literature of the New Testament. The student becomes familiar with the standard grammars, lexicons, dictionaries, commentaries, and other resources to gain competency in reading and interpreting the New Testament. Selected portions of the New Testament exegeted. Offered on demand.

Languages

215. Intermediate Ancient Greek. 4 cr. hrs.
Extensive readings from works of one or more Greek authors, such as Xenophon or Plato, depending on student interests. Prerequisite: Greek 114 or equivalent. Fall semester, alternate years.

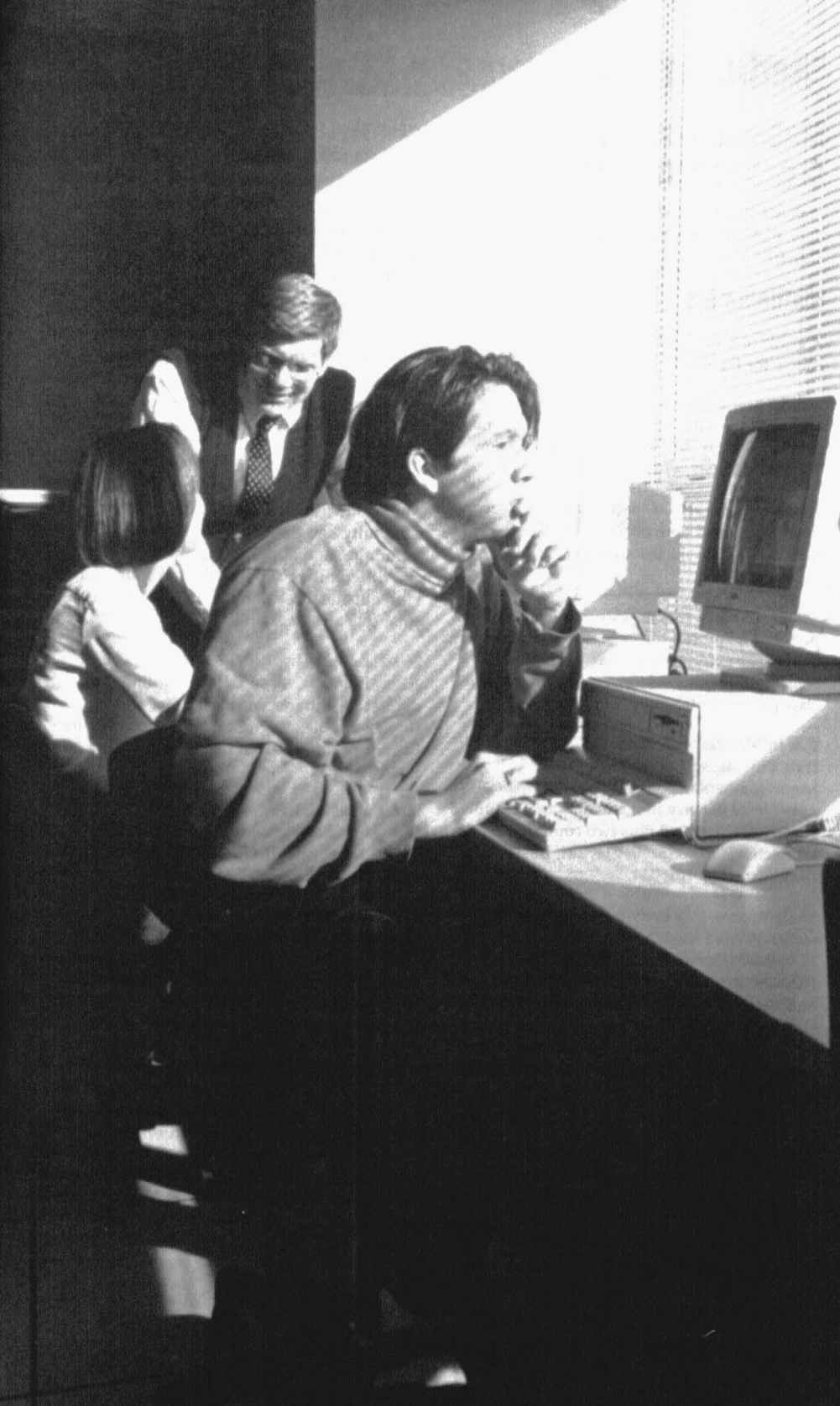
311-312. Independent Study. 4 cr. hrs.
Readings in one or more Greek authors.
Offered on demand.

Latin

111-112. Elementary Latin. 4 cr. hrs. each
Inflection, syntax, word formation, vocabulary building are emphasized. In the application of grammar, translation will move from simple to more complex.

213. Intermediate Latin. 4 cr. hrs.
Builds on a foundation of grammar attained in 111-112. Emphasis is on readings from a variety of Latin sources. Fall semester.

311-312. Independent Study. 4 cr. hrs.



Mathematics-Computer Studies

Mathematics and Computer Studies

Professor Thoman, chairman; Associate Professors Buss, Eichhoefer, Mathis; Assistant Professor Sherrick.

Mathematics

A grade of C or higher is required in each course for the major.

B.A. in Mathematics

Major: 32 semester hours including Mathematics 199, 200, 201, 281, and three courses from 301, 305, 335, 347, 410.

A student who selects mathematics as a second major combined with a B.S. primary major is not required to take the additional B.A. degree courses.

All majors must successfully complete a senior project. The project may be a formal independent study (MAT 490) or may be done in conjunction with a senior seminar, upper level class project, or teaching unit.

B.S. in Mathematics with Data Processing Emphasis

Major: Mathematics 199, 200, 201, 281, 335, one upper level elective in mathematics; Computer Studies 155, 160, 215 plus two computer studies electives; Accounting 211, 221; Business Administration 201, 301.

Students majoring in mathematics may receive certification to teach mathematics in grades 7-12 in the State of Missouri. Procedures to be followed in obtaining teacher certification are included in the *Student Handbook for Teacher Certification*. Specific course requirements for all certification programs may be found on check sheets available in the education department office.

99. Basic Algebra. 2 cr. hrs.

An introduction to algebra including the language of algebra, linear and quadratic equations, factoring and polynomials. Designed to prepare students for college algebra (MAT 145) and other quantitative courses. May not count toward satisfaction of the general education

requirement in Mathematics and the Natural Sciences. Offered on demand.

145. College Algebra. 4 cr. hrs.

Topics will be selected from algebra and analytic geometry to give an insight into the nature, role and scope of mathematics with emphasis on model building. Prerequisite: two years of high school algebra. (May not count for mathematics major.)

150. Discrete Mathematics. 4 cr. hrs.

An introduction to logic, sets, functions, combinatorics, and graph theory. Prerequisite: high school mathematics through Algebra II. Spring semester.

199. Calculus I. 4 cr. hrs.

An introduction to the concepts of limits, continuity and the derivative. Includes the techniques and applications of the derivatives and differentials of the elementary functions. Prerequisite: three units of high school mathematics. Fall semester.

200. Calculus II. 4 cr. hrs.

A continuation of MAT 199 including the derivative of transcendental functions and single variable integral calculus. Prerequisite: Calculus I or advanced placement. Spring semester.

201. Calculus III. 4 cr. hrs.

Sequences, series, solid analytic geometry and multivariate calculus. Prerequisite: MAT 200 or advanced placement. Fall semester.

202. Differential Equations. 4 cr. hrs.

Ordinary differential equations. Solution of differential equations by operators, power and Fourier series and Laplace transforms included. Prerequisite: MAT 201. Spring semester, odd years.

216. Elementary Statistics for Social Sciences. 4 cr. hrs.

A first course in statistics for students in education and the social sciences. Collection, interpretation and presentation of statistical data. No algebra background assumed. (Students may not receive credit for both BUS 318 and MAT 216.)

Mathematics-Computer Studies

281. Applied Linear Algebra. 4 cr. hrs.

Development of the algebra and calculus of matrices, introductory theory of vector spaces and eigenvectors with particular attention to topics that arise in applications. Applications include the use of matrices to represent arrays of data, least squares approximations to data, and the concept of the generalized inverse. Attention is also given to numerical methods for solving systems and the eigenvalue problem. Prerequisite: MAT 199 or equivalent. Spring semester, odd years.

301. College Geometry. 3 cr. hrs.

A study of Euclidian Geometry, finite geometries, and non-Euclidian geometries. Prerequisite: junior standing or consent of instructor. Spring semester, odd years.

305. Introduction to Probability and Mathematical Statistics. 4 cr. hrs.

An introduction to probability spaces, distribution and estimation theory with emphasis on model building. Prerequisite: MAT 201. Fall semester, odd years.

331. Symbolic Logic. 4 cr. hrs.

Symbolic logic is a rigorous introduction to formal logic. Topics covered include symbolization, syntax, semantics, derivations and metatheory for both sentential and predicate logic as well as applications in mathematics and philosophy. This course is applicable toward the mathematics major. Course methodology includes lecture, discussion and a computer lab. Also listed as PHI 331.

335. Numerical Analysis. 4 cr. hrs.

A study and analysis of the numerical methods of solving algebraic and transcendental equations, ordinary and partial differential equations in integration and other mathematically expressed problems. Prerequisite: MAT 200 and CST 120 or equivalent. Spring semester, even years. Also listed as CST 335.

347. Abstract Algebra. 4 cr. hrs.

An introduction to groups, rings, integral domains and fields. Course material includes LaGrange's Theorem, isomorphism theorems, Caley's Theorem, Sylow's Theorem, polynomial rings and ideals. Prerequisite: MAT 201. Fall semester, even years.

410. Analysis I. 4 cr. hrs.

A rigorous approach to the study of functions, limits, continuity, differentiation and integration of functions of one and several variables. Fall semester, odd years.

451. Advanced Mathematics Seminar. 4 cr. hrs.

Special topics in advanced mathematics for juniors and seniors to provide advanced study opportunities in analysis, algebra and applied mathematics.

490. Independent Study. 1-4 cr. hrs.

Approved on- or off-campus projects in independent research and reading by mathematics majors.

Computer Studies

Facilities.

Student course work will be oriented around VAX VMS minicomputer with VMS POSIX, an Ethernet LAN, DOS 386 PX PCs and a UNIX Graphics workstation which are available in the department computer lab.

Professional Organizations.

Students are expected to participate in local chapters of one or more professional organizations including the ACM, DPMA, and VAX user groups and SIGS.

Transfer Credit.

Transfer credit may be applied toward major requirements upon departmental approval. This will be decided on a case by case basis and the department may require proficiency exams. A minimum of twelve hours' credit, including two CST courses, must be completed in the major at William Jewell College.

A grade of C or higher is required in each course in the major.

B.A. in Computer Science

Major CST 160, 170, 315, 320, 325, 406; MAT 199, 200, 281, 331. Must have a grade of B or higher in CST 170.

Those who select computer science as a second major in combination with a B.S. primary major may follow the general education requirements for the B.S. degree.

Mathematics-Computer Studies

B.S. in Systems and Data Processing

Major: CST 155, 160, 170, 215, 235, 325; ACC 211, 221; MAT 216 or BUS 318; BUS 201, 326 plus one elective from BUS 301 or 305.

120. BASIC.

2 cr. hrs.

Elements of BASIC to enable the computer user to write and solve beginning to intermediate computer programs. (Will not count toward computer science or mathematics major.)

130. Microcomputer Applications.

2 cr. hrs.

An introduction to the concepts of microcomputers and the productivity tools which are available for use with them. This is a computer literacy course which assists students to develop skills which can be of benefit both during their college career and after graduation. Topics include computer concepts, microcomputer operating systems, word processing, electronic spreadsheets, database concepts, and presentation graphics. (Will not count toward computer science or mathematics major.) Students may not receive credit for both this course and CST 155.

140. Advanced BASIC.

2 cr. hrs.

A continuation of the study of BASIC language with emphasis on file usage in business programs. The course will include constructing and using sequential, random access, and indexed files. Prerequisite: CST 120 or equivalent. Spring semester.

155. Business Information Systems.

4 cr. hrs.

An introduction to computer hardware, software, procedures, and system concepts with the integration and application of these concepts to business and other segments of society. Microcomputer productivity tools commonly used in business will be discussed and applied. Spring semester.

160. Computer Science I.

4 cr. hrs.

Introduction to structured programming including program definition design and implementation. The course emphasizes algorithms, elementary data structures, and debugging techniques. Students are introduced to Borland PC and VAX VMS development environments. Fall semester.

170. Computer Science II.

4 cr. hrs.

A continuation of Computer Science I, CST 160, will introduce information representation, computer architecture, machine and assembly language, compilation, language translation, and operating system process and storage management. Data structures including arrays, strings, records, graphs, pointers and stacks will be implemented in both assembly language and Pascal. Pascal programs, procedures and functions will be compiled to assembly language. Parameter passage and stack utilization in call by value and call by reference will be emphasized. Prerequisite: CST 160. Spring semester.

210. Introduction to Compiler Concepts.

4 cr. hrs.

Study of the process of translating high-level programming language constructs to lower-level, machine-oriented code. Concepts include introduction to formal language theory, token recognition, lexical analysis, parsing of context-free languages and generation of symbolic machine code. Prerequisite: CST 160, 170 or equivalent. Offered on demand.

215. COBOL-Programming and Applications.

4 cr. hrs.

Introduction to the application of computing in business using COBOL and a structured approach to programming. Prerequisite: CST 155 or equivalent. Fall semester.

225. ASSEMBLER Language.

4 cr. hrs.

Major emphasis on learning the machine oriented ASSEMBLER language. Content will include the number systems, data representations and instruction formats associated with machine languages. Labs will be used to acquaint the student with the software and system operations involved in compiling and executing ASSEMBLER language programs in a disc-operating system. Prerequisite: CST 160, 170 with a grade of B or higher. Fall semester, alternate years.

235. Systems Analysis and Design.

4 cr. hrs.

An introduction to the role of the systems analyst in analyzing and designing a data processing system. Knowledge of BASIC and COBOL is assumed. Prerequisite: CST 215. Spring semester, odd years.

Mathematics-Computer Studies

315. Programming in C. 4 cr. hrs.

Introduction to the C programming language including functions, control, data structure, I/O, preprocessors and system calls. Course presupposes familiarity with a high level structured language such as Pascal. Spring semester, alternate years.

320. Data Structures. 4 cr. hrs.

Thorough coverage of data structures utilizing objects in the definition, design, and implementation of abstract data types. Emphasis on software engineering methodology including abstraction, algorithm analysis, and correctness. Fall semester.

325. Data Base Management Systems.

4 cr. hrs.

Survey of the design and capabilities of data base and data management systems. Experience techniques of data organization in a data base environment employing the query language of a typical data base management system. Prerequisite: CST 170. Spring semester, even years.

335. Numerical Analysis. 4 cr. hrs.

See course description for MAT 335.

403. Advanced Computer Studies Seminar.

1-4 cr. hrs.

Special topics in advanced computing including Prolog, Artificial Intelligence, Advanced COBOL, Fortran.

406A & B. Micro-Computer

Architecture and Interfacing.

2-4 cr. hrs.

See course description for Physics 406.

490. Independent Study.

1-4 cr. hrs.

Approved on- or off-campus projects in independent reading and research by majors in computer science or systems and data processing.

Music

Music

Professor D. Brown, chairman; Professors Emig, Epley, Posey, Riddle; Robert H. McKee Professor Wilder; Assistant Professors H. Brown, Ma, Norris, Permenter, Schaefer, Witzke; Instructor Kruse.

The music department, an accredited institutional member of the National Association of Schools of Music, offers two degree programs: the bachelor of arts and the bachelor of science.

Music education certification programs in vocal (K-12) and instrumental (K-12) music are achieved through the bachelor of science degree program. Combined vocal/instrumental (K-12) music is also available, but would be difficult to achieve in four years. Additional information about music education is available from the student's major advisor, from the *Music Department Student Handbook* (in the music department office), and from the *Student Handbook for Teacher Certification*, in the education department office. Procedures to be followed in obtaining teacher certification are included in the *Student Handbook for Teacher Certification*. Specific course requirements for all certification programs may be found on checksheets available in the education department office.

Both degrees require 124 credit hours for graduation (exclusive of ensemble and recital requirements). Recital attendance is required of all music majors. The Recital Attendance Policy is described in the *Music Handbook*.

Under the bachelor of arts degree, 40 hours of music credit are allowed (exclusive of required ensemble credits). A student must complete 84 non-music hours. The core music requirements are as follows: 16 hours of basic musicianship/theory, 6 hours of music history, 2 hours of conducting, 12 hours of applied study (including keyboard), and 4 hours of music electives. A grade of C or higher is required in each music course for the major.

Within the bachelor of science program, a maximum of 60 hours of music is required (exclusive of performance lab/ensemble requirement). A student must complete 64 non-music hours. All students complete a common

core of music studies which includes 16 hours of basic musicianship/ theory, 6 hours of music history, 4 hours of conducting, 4 hours of counterpoint/analysis, and 18 hours of applied study (including keyboard) for a total of 48 hours. The remaining 12 music hours are elective and may be selected to support the student's professional goals: public school music, church music, performance, theory/ composition, private teaching or music business. A grade of C or higher is required in each music course for the major. Specific programs are included in the *Music Handbook* available on request from the music office and given to each entering music major.

The music major can also be combined with other majors such as business, chemistry, communication, English, math, religion and so on. Those students who combine a major in music with one from a different department are required to meet only the B.A. music major requirements regardless of the degree the student might earn. If the student's degree is a B.S., the student has the option of fulfilling B.S. music requirements. Sometimes these established programs do not meet the academic or vocational needs of a particular student. In these cases, the college provides an opportunity for the student to design an individual major program of study. Further information is available upon request.

The following music courses are particularly well suited to help fulfill humanities credits in completing General Education Program I or the distribution component of Program II: MUS 101a-b-c, MUS 102a-b-c, MUS 140a-b (either or both), MUS 201a, b, MUS 202a, b, MUS 301, and MUS 302.

MUSIC THEORY

All students should be prepared to take Music 101a-b-c, 102a-b-c, 201a-b, and 202a-b as complete four-hour courses.

101. Introduction to Basic Musicianship. 4 cr. hrs.
101a. Introduction to Basic Musicianship: Music Literature. (2 cr. hrs.) A general introduction to the elements of music, its forms, historical periods, and representative literature. Fall semester.

101b. Introduction to Basic Musicianship: Music Fundamentals. (1 cr. hr.) A detailed aural and written study of basic theoretical concepts, the elements of music, and music notation. Fall semester.

101c. Introduction to Basic Musicianship: Keyboard Harmony I. (1 cr. hr.) Application of theory to the keyboard: chord study, harmonization of melodies; transposition; modulation; scales and cadences; sight reading. Fall semester.

102. Music Theory and Ear Training I. 4 cr. hrs.

102a. Music Theory I: Diatonic Harmony. (2 cr. hrs.) A study of the principles of diatonic harmony, nonchordal tones, and secondary dominants, including four-part writing, analysis, and creative work. Prerequisite: MUS 101b. Spring semester.

102b. Music Theory I: Ear Training. (1 cr. hr.) Sightsinging and dictation of diatonic scales, intervals, triads, rhythmic groups, and tonal melodies. Prerequisite: MUS 101b. Spring semester.

102c. Music Theory I: Keyboard Harmony II. (1 cr. hr.) Continuation of Keyboard Harmony I. Prerequisite: MUS 101c. Spring semester.

201. Music Theory and Ear Training II. 4 cr. hrs.

201a. Music Theory II: Chromatic Harmony. (3 cr. hrs.) A study of the principles of chromatic harmony and modulation to closely and distantly related tonalities, with a continuing emphasis on writing and analysis. Prerequisite: MUS 102a. Fall semester.

201b. Music Theory II: Ear Training II. (1 cr. hr.) Sightsinging of tonal melodies, canons, and part music in treble, bass, and C-clefs. Dictation of tonal melodies, rhythmic groups, harmonic intervals, and two- and four-part music. Prerequisite: MUS 102b. Fall semester.

202. Music Theory and Ear Training III. 4 cr. hrs.

202a. Music Theory III: Twentieth Century Harmony (3 cr. hrs.) A study of the techniques of 20th-century compositions; and investigation of impressionistic, dynamic, nationalistic, serialistic, aleatoric, and electronic practices. Prerequisite: MUS 201a. Spring semester.

202b. Music Theory III: Ear Training III. (1 cr. hr.) Sightsinging of tonal, atonal, and modal melodies, canons, and part music. Dictation of tonal, modal, and modulating melodies, harmonic intervals, rhythmic groups, and two-, three-, and four-part music. Prerequisite: MUS 201b. Spring semester.

301. Music Theory IV: Counterpoint. 2 cr. hrs.
A study of 18th-century contrapuntal techniques, including analysis of representative literature and creative writing. Prerequisite: MUS 201a. Fall semester.

302. Form and Analysis. 2 cr. hrs.
A study of the classical forms in music and analysis of representative works of different musical forms and historical periods. Prerequisite: MUS 201a. Fall semester.

401. Instrumentation. 2 cr. hrs.
A study of the acoustical and timbral properties of wind, string, and percussion instruments, and experience in scoring for various combinations of these instruments. Prerequisite: MUS 201 or permission of instructor. Fall semester, 1994.

402. Composition. 2 cr. hrs.
A study of the techniques and practical experience in the composition of the smaller musical forms for both the instrumental and vocal media. Prerequisite: MUS 201 and permission of instructor. Spring semester; 1995.

403. Arranging. 2 cr. hrs.
A study of techniques involved in and practical experience in the arranging of existing music for both the instrumental and vocal media. Prerequisite: MUS 201 and permission of instructor. Fall semester, 1995.

HISTORY AND APPRECIATION

140 A & B. Music Appreciation. 4 cr. hrs.
Open to students desiring an understanding of music as an element of liberal culture. Designed to develop competence in listening to music and to offer meaningful experiences in legitimate music. Previous training in music not required.

MUS 140A: Music of Western Cultures, open to non-majors only

Music

MUS 140B: Music of Eastern Cultures, open to all students

341. History of Western Music. 3 cr. hrs.
A survey of music of Western Civilization through the Baroque Era. Approval of instructor. Fall semester.

342. History of Western Music. 3 cr. hrs.
Begins approximately 1720 and continues through the Contemporary period. Approval of instructor. Spring semester.

441. Music Literature: Performance Practices and Historical Research. 2-4 cr. hrs.
May be offered as a specialized course in the literature of a specific area, e.g., Choral Literature, Vocal Literature, Piano Literature, Symphonic Literature, Chamber Music. Prerequisite: permission of instructor. Offered on demand.

PRIVATE INSTRUCTION

Private instruction indicates private lessons in the performing areas listed below. One half-hour lesson per week plus one hour of practice per day earns one semester hour of credit. All students are required to participate in a studio recital each semester. All applied music students will participate in a vocal or instrumental ensemble unless excused by the department chairman. The times for music lessons are arranged through the music office. There is a fee charged for all lessons.

Private study is available on two levels: General (MUS 211 or 212) and Advanced (MUS 411 or 412). Advanced level is allowed only with permission of the music faculty. Although specific requirements may vary among the applied areas, each student must successfully complete two semesters of study before the student can be considered for advanced study. All private lessons may be repeated as desired, using the same number where necessary.

Students in vocal study participate in diction classes (MUS 210) during the opening weeks of the fall semester as specified below.

The last digit of the course number indicates the number of credit hours. The section abbreviations indicate the exact area of study.

Lessons are offered in:

Piano	PN
Organ	OR
Harpsichord	HP
Voice	VO
Violin	VN
Viola	VA
Cello	VC
String Bass	SB
Bass Electric Guitar	BG
Classical Guitar	CG
Harp	HR
Flute	FL
Oboe	OB
Clarinet	CL
Saxophone	SX
Bassoon	BS
Trumpet	TP
French Horn	FH
Trombone	TB
Euphonium	EU
Tuba	TU
Percussion	PC

CLASS INSTRUCTION

111PN. Class Piano. 1 cr. hr.
A minimum of four and a maximum of eight students. Beginning piano through level four. May be repeated using the same number. (Fee charged.)

111MM. MIDI/MAC Class Piano. 1 cr. hr.
Using MIDI keyboards and Macintosh computers. May be repeated using same number; subject material may vary. Prerequisite: permission of instructor. May be used to help fulfill keyboard requirement after passing keyboard barrier. (Fee charged.)

111VO. Class Voice. 1 cr. hr.
A minimum of four and a maximum of eight students. Open to all students. Fundamentals of singing; posture, breath control, vocal placement, and vocal literature are introduced. Offered as needed. May be repeated using the same number. (Fee charged.)

111CG. Class Guitar. 1 cr. hr.
Designed for beginners interested in functional guitar. Basic techniques in classical guitar to include major/minor chords, inversions and scales with application of materials used in elementary music. May be repeated using the same number. (Fee charged.)

210. Voice Diction Lab. 0 cr. hrs.
A series of voice diction labs taken for five weeks each fall. All voice students will take Section A, "Singer's Diction," usually during the fall of voice study. The other sections, "Italian Diction," "German Diction," and "French Diction," are required for voice principals and available for all other applied students. After completion of "Singer's Diction," the diction labs may be taken in any sequence.

MUSIC EDUCATION

351. Methods in String Instruments. 2 cr. hrs.
The study of violin, viola, cello and bass. Teaching techniques for string instruments. Also listed as EDU 351.

352. Methods in Woodwind Instruments. 2 cr. hrs.
The study of clarinet, flute, oboe, bassoon, and saxophone. Fundamentals of technique, maintenance and simple repairs. Examination and evaluation of teaching methods. Teaching techniques for woodwind instruments. Spring semester. Also listed as EDU 352.

353. Methods in Brass and Percussion Instruments. 2 cr. hrs.
The study of trumpet, trombone, euphonium, French horn, tuba, and percussion with emphasis on the teaching of these instruments. Fall semester. Also listed as EDU 353.

451. Music Methods in the Elementary Schools. 2 cr. hrs.
Methods, materials and techniques for teaching music in the elementary school. Consent of the instructor. Spring semester, first seven weeks. Also listed as EDU 451.

452. Vocal Music Methods in the Secondary Schools. 2 cr. hrs.
Methods, materials and techniques for teaching music in grades 7-12. Majors only. Fall semester. Also listed as EDU 452.

453. Instrumental Methods in the School. 2 cr. hrs.
Methods, materials and techniques for teaching instrumental music in the public school. Majors only. Spring semester, first seven weeks. Also listed as EDU 453.

462. Vocal Pedagogy. 2 cr. hrs.
A study of comparative vocal pedagogy including concepts of vibrato, registers, dynamics, range, breathing, support, tone, placement, resonance, and voice classification. Practical application through observation and supervised teaching. Fall semester, 1994. Also listed as EDU 462.

CONDUCTING

361. Instrumental Conducting. 2 cr. hrs.
Instrumental conducting techniques including the use of the baton. Prerequisite: Music fundamentals and Theory and Ear Training I. Fall semester.

362. Choral Conducting 2 cr. hrs.
Choral conducting techniques including experience with campus ensembles. Prerequisite: Music Fundamentals and Theory and Ear Training 1, or permission of instructor. Spring semester.

CHURCH MUSIC

343. Church Music Administration. 4 cr. hrs.
Organization and direction of the multiple choir system. Vocal methods for children, youth and adults. Church music administration (including preparation of music budget), general worship philosophies, handbell techniques. Spring semester, 1995.

344. The Church and Its Hymnody. 4 cr. hrs.
An historical study of hymns and hymn writers and of the place of hymn singing in worship. An analysis of the elements constituting good hymns, and a critical study of published hymnals. Taught by the music department faculty. Also listed as REL 344. Spring semester, 1996.

345. Instrumental Music in the Church. 2 cr. hrs.
A seminar for the church musician in the organization, maintenance and use of instrumental music in the church. Contents include

Music

the study of instrumentation, literature, arranging, instrument procurement and maintenance, and computer assisted programs. Fall semester, 1994.

371. Service Playing. 2 cr. hrs.
Survey of keyboard literature for organ (including MIDI), piano and synthesizer. Accompanying, sightreading, and modulation as applied to the worship service. Spring semester, 1995.

PERFORMANCE LABS/ENSEMBLES

A wide variety of performance labs/ensembles is available to qualified students. Performance laboratories (ensembles) are for most students an extension of applied study and/or choral and instrumental techniques classes. Non-music majors may use up to eight hours of lab/ensemble credit as elective hours toward graduation. The same course number is used when repeating the course.

TRAINING ORGANIZATIONS

103A. Beginning Handbells. No Credit

103B. Training Orchestra. 1 cr. hr.
Applicable to instrumental lab/ensemble requirements for music majors.

CHAMBER ORGANIZATIONS

No Credit
Each ensemble may not be offered each semester.

- 203A. Advanced Handbells.
- 203B. Intermediate Handbells.
- 203C. Chamber Singers.
- 203D. Cardinal Brass.
- 203E. Chamber Orchestra.
- 203F. Flute Choir.
- 203G. Woodwind Ensemble.
- 203H. String/Piano Ensemble.
- 203I. Percussion Ensemble.
- 203J. Guitar Ensemble.
- 203K. Vocal Ensemble.

LARGE ORGANIZATIONS

303. Chapel Choir. 1 cr. hr.
Membership in the Chapel Choir is open to the student body. Membership auditions are held each semester. The choir sings for college worship services, presents concerts in area churches, and makes an annual tour. The tour choir consists of approximately 80 voices and is selected from the membership of the Chapel Choir. Applicable to vocal lab/ensemble requirements for music majors.

304. Concert Choir. No credit
An organization of limited membership selected for tone production and musicianship surveying great choral literature. This organization represents the college in public engagements, makes annual tours and periodic international tours. Its repertoire includes sacred and secular works. Members are selected by audition from the sophomore, junior, and senior classes. Those auditioning should plan to remain in the group for the entire school year. Applicable to vocal lab/ensemble requirements for music majors.

305. Symphonic Band. 1 cr. hr.
Open to all students by audition, this 60 piece band meets three times weekly. Primarily a concert organization, the band does not march. The group presents area concerts and tours annually. Applicable to instrumental lab/ensemble requirements for music majors.

306. Jazz Band. No credit
The Jazz Band offers a creative outlet for the instrumental musician through performance of a variety of jazz literature. The Jazz Band performs concerts on campus and in the Kansas City area, as well as at home football games and other selected athletic events. Membership is achieved by audition, subject to fixed stage band instrumentation.

307. Liberty Symphony. 1 cr. hr.
This orchestra is open to all students and community musicians as positions are available. The symphony rehearses once a week for two hours, and presents four to six programs a year. Applicable to instrumental lab/ensemble requirements for string music majors.

PROFESSIONAL COURSES

241. Recording Studio Techniques. 3 cr. hrs.
A study and practical application of recording techniques and development of recording skills. Designed to develop competency in electronic audio recording, especially through "hands-on" use of equipment and software. May not apply toward satisfaction of Humanities requirement.

370. Independent Study. 1-4 cr. hrs.

372. Organ Pedagogy. 2 cr. hrs.
Survey of organ method books. Practical application through observation and supervised teaching. Spring semester, 1996.

375. Opera Workshop. 1 cr. hr.
Study of a selected opera or operetta. The study will include examination of the music and libretto and the effect these elements have on the characterization of each role. Other works and composers that relate to the selected opera will also be examined. Prerequisite: permission of the instructor. Fall semester.

376. Piano Accompanying. 1 cr. hr.
Piano accompanying techniques for basic vocal and instrumental solos. Representative works from contrasting periods of music. Offered on demand.

377. Piano Pedagogy: Teaching Beginning Students. 2 cr. hrs.
Study of principles of teaching for individual and class instruction for the beginning student. Survey of methods and materials. Practical application through observation and supervised teaching. Fall semester, 1994.

378. Piano Pedagogy: Teaching Intermediate Students. 2 cr. hrs.
Study of principles of teaching the intermediate student. Survey of methods, materials and literature. Practical application through observation and supervised teaching. Fall semester, 1995.

379. Guitar Pedagogy. 1-2 cr. hrs.
A study of principles of teaching class and private guitar. Analysis of current methods, repertoire and historical survey. Practical application through observation and supervised teaching. Prerequisites: Guitar Class III or instructor's consent. Offered as needed.

Nursing

Nursing

Professor Johnson, chairwoman; Professors Edwards, Kersten; Assistant Professors Dahl, Fletcher, Godfrey, Meek, Meyer, Webb.

The nursing program at William Jewell College is a carefully designed program of professional studies in nursing, liberal arts courses, and professional support courses which leads to the bachelor of science degree with a major in nursing.

The department is fully accredited by the National League for Nursing and by the Missouri State Board of Nursing. Graduates are eligible to apply to take the licensure examination [refer to the State of Missouri Nursing Practice Act, 335.066, 1.2(1) through (14), as amended 1991]. Licensure applicants must be at least 19 years of age, have completed high school or GED equivalent and have successfully completed the nursing program. Completion of the program does not guarantee eligibility to write the licensure examination.

The program is based on a philosophy of nursing as a combination of scientific competence and sensitivity to human needs, with an emphasis on the well-being of the whole person. The faculty emphasizes the responsibility and accountability of the individual learner, the blending of academic and practical knowledge, and the highest degree of professional ethics. A full statement of the philosophy of the nursing program at William Jewell College is available from the department offices.

ADMISSION

Applicants will be evaluated for acceptance into the nursing program using the following guidelines:

Grade Point Average:

- Minimum grade point average of 2.50
- Minimum grade of C in all courses in the nursing curriculum.
- Completed prerequisite courses as listed in the college catalog.

Length of Enrollment at William Jewell College:

- Preference given to students who enrolled at William Jewell as freshmen with nursing as declared major.

Essay Response:

- Essay guidelines on application form.

Students begin the program in the spring semester. To have an application considered for spring admission, the completed application must be filed with the department by **June 1** of the previous year. A detailed statement of policies and procedures is available in the Department Student Handbook. A maximum of 40 students will be admitted each year.

Registered Nurse Admission: Graduates of approved Diploma or Associate Degree programs are eligible for admission to the department. Further information regarding the program for registered nurses is available upon request.

Transfer Student Admission: Transfer students will be considered for admission based on the admission guidelines: grade point average, length of enrollment at William Jewell College, and essay response. Nursing courses do not usually transfer among nursing programs.

Applications: The faculty will act only upon completed applications which include:

1. Department of nursing application form.
2. Official transcripts from each college attended (including spring semester courses)
3. Essay response
4. Verification of current professional licensure (R.N. applicants only).

It is the student's responsibility to ascertain that the application is complete. Application deadline is **June 1**.

Prerequisite Courses: To begin NUR 250 during the spring semester, a student must have completed the following prerequisites or equivalents:

English 100
Communication 100
Psychology 211
Sociology 211
Chemistry 111 and 112

Students transferring Chemistry course(s) into William Jewell College will need at least a five-hour laboratory course covering both inorganic and organic chemistry. In addition the following courses or equivalents must have been completed prior to beginning NUR 332 and 334:

Biology 221 - Microbiology
Biology 243 - Anatomy
Biology 244 - Physiology
Nursing 307 - Nutrition
Philosophy 202 - Ethics
Psychology 306 or 307-
Developmental Psychology

Required Courses: The following courses are required in the nursing major: 250 (251 for RN students), 332, 334, 340, 342, 350, 352, 420, 422, 425, 432, 434, 452, 454. Students must have a grade of C or above in all nursing courses.

Nursing majors are required to take Psychology 303, Abnormal Psychology, and Math 216, Elementary Statistics for Social Sciences.

212. Human Sexuality. 2 cr. hrs.
This course focuses on the sexual development of individuals throughout the lifespan. Emphasis is placed on psychosocial and physiological factors which affect an individual's sexuality. For all majors. No prerequisites. Fall semester. Also listed as SOC 212.

214. Health, Safety and Nutrition of the Young Child. 2 cr. hrs.
This course will present an overview of the principles involved in providing a safe and healthy environment for a young child. Students will apply this information by visiting and evaluating a day care center. Prerequisites: PSY 306 or EDU 205.

215. Stress Management. 2 cr. hrs.
The purpose of this course is to assist the learner in becoming aware of intrapersonal and interpersonal stress. Awareness of the stressors which trigger the stress response will

then be used to facilitate improving skills in self management. Numerous contributing factors will be explored as they relate to the capacity of the individual to cope with daily stress. A variety of stress management skills will be investigated and practiced throughout the course. For all majors.

220. Nursing as a Profession. 2 cr. hrs.
This course is designed to promote students' understanding of and entry into the nursing profession. Emphasis is placed on the development of attitudes and values supporting roles of professional nurses. The course includes an introduction to the philosophy of the department of nursing, a brief history of nursing, roles of the professional nurse, study/test-taking skills, and problem solving/decision making. For all majors. Fall semester.

250. Fundamentals of Nursing. 5 cr. hrs.
Introduction to the major concepts of the curriculum framework. The following concepts are emphasized in classroom and laboratory situations: systems theory, nursing process, developmental theory, health, professionalism and research. Also included are beginning nursing skills necessary to provide nursing care. Laboratory and clinical experience assist the student in applying basic nursing and assessment skills. An average of four hours lecture and three hours clinical practicum/ laboratory per week. Prerequisite: see admission criteria. Spring semester.

251. RN Bridge Course. 2 cr. hrs.
This course is designed as a bridge for registered nurse students (RN) beginning their baccalaureate course work in nursing. Prerequisites: acceptance into Nursing Program, current licensure as a registered professional nurse.

307. Nutrition. 2 cr. hrs.
A study of the basic principles of normal nutrition and the application of these principles to the nutritional requirements at various developmental levels. This course is primarily for nursing majors. It may not be used to satisfy requirements in mathematics and the natural sciences. Prerequisite: chemistry course. Spring semester.

Nursing

332. Child Health Nursing. 4 cr. hrs.

Application of the nursing process in health management with childrearing families. Emphasis is placed on biological, personal, and social assessment of the individual within the family system. The clinical component includes six weeks' experience in child health nursing. Four lecture hours and 12 clinical practicum/laboratory per week. Prerequisite: NUR 250. Corequisite: NUR 340, 342. Fall semester.

334. Parent Newborn Nursing. 4 cr. hrs.

Application of the nursing process in health management with childbearing families. Emphasis is placed on biological, personal and social assessment of the individual within the family system. The clinical component includes six weeks' experience in obstetrical nursing. Four lecture hours and 12 clinical practicum/laboratory per week. Prerequisite: NUR 250. Corequisite: NUR 340, 342. Fall semester.

340. Human Pathophysiology. 3 cr. hrs.

Pathophysiology is a didactic course in the study of human pathophysiological processes and responses. Prerequisites: BIO 243, 244 or equivalents, PSY 306 or equivalent. Fall semester.

342. Nursing Assessment. 1 cr. hr.

Nursing assessment includes didactic and laboratory experiences with interviewing, nursing history taking, physical examination techniques and a final head-to-toe physical examination practicum. Prerequisite: NUR 250. Fall semester.

350. Adult Health Nursing. 8 cr. hrs.

This course is designed to build upon the basic skills and theories taught in NUR 332 and 334. The focus is on applying nursing process in the health management of adult individuals and families. Emphasis is placed on assessment of illness and wellness components of the health continuum utilizing a holistic framework. The clinical component consists of experience in medical-surgical nursing. Four hours of lecture and 12 hours of clinical practicum/laboratory per week. Prerequisite: NUR 250, 332, 334, 340, 342. Spring semester.

352. Pharmacology. 4 cr. hrs.

This required course is an in-depth study of major drug classifications and will include: pharmacodynamics, pharmacokinetics, therapeutic uses, adverse reactions, precautions and contraindications, nursing interventions and client education. Prerequisites: NUR 250, 332, 334, 340, 342; concurrent with NUR 350. Spring semester.

420. Nursing Research. 2 cr. hrs.

Introduction to basic research methodology and its application to nursing. Prerequisite: MAT 216; NUR 250, 332, 334, 340, 342, 350, 352. Fall semester.

422. Special Topics in Nursing. 2 cr. hrs.

This course is designed to provide an in-depth discussion of selected nursing topics which are critical to the delivery of comprehensive care. Focus is on student presentations and discussions of selected topics. Prerequisite: NUR 250, 332, 334, 340, 342, 350, 352. Fall semester.

425. Trends and Issues. 2 cr. hrs.

Discussion of current and future issues in nursing. Emphasis is on student presentations and discussions. Prerequisite: NUR 250, 332, 334, 340, 342, 350, 352, 420, 422, 432, 434. Spring semester.

432. Mental Health Nursing. 4 cr. hrs.

This course is designed to assist the senior nursing student in understanding the psychodynamics of maladaptive behavior and implementing the nursing process with clients exhibiting disturbances in behavior. Four hours of lecture per week and 12 hours of clinical experience for seven weeks in a psych/mental health setting. Prerequisite: NUR 250, 332, 334, 340, 342, 350, 352; PSY 303. Fall semester.

434 Advanced Adult Health Nursing. 4 cr. hrs.

This course offers in-depth study and experience in advanced adult health nursing. The focus is on applying the nursing process to individuals and families with complex health care problems in a critical care setting. Four hours of lecture and 12 hours of clinical experience for seven weeks in specialty areas. Prerequisite: NUR 250/251, 332, 334, 340, 342, 350, 352. Fall semester.

440. Nursing in Great Britain. 1 cr. hr.
This course is required for senior nursing students who study in England spring semester. The course will provide the student with an overview of the British Health Care system, health care services, British nursing education preparation and community roles and cultural variables relating to health in Great Britain. The student will also participate in a community health clinical experience. Fall semester.

452. Community Health. 5 cr. hrs.
This course focuses on community and large group systems as well as environmental stressors and issues in nursing practice. Four hours of lecture and 16 hours of clinical experience for seven weeks in a distributive setting. Prerequisite: NUR 250/251, 332, 334, 340, 342, 350, 352, 420, 422, 432, 434. Spring semester.

454. Management/Leadership. 5 cr. hrs.
This course focuses on stressors and issues in nursing practice related to nursing leadership skills and management of groups. The course is designed to assist the student in refining the roles and responsibilities of the leader and manager in the provision of nursing care. Four hours of lecture and 16 hours of clinical experience for seven weeks in an episodic setting. Prerequisite: NUR 250/251, 332, 334, 340, 342, 350, 352, 420, 422, 432, 434. Spring semester.

260, 360, 460. Independent Study in Nursing.
1-6 cr. hrs.



Oxbridge

The Oxbridge Alternative Program

Dean Shannon, Senior Tutor

Oxbridge Alternative tutorial majors are offered in English Language and Literature, History, Institutions and Policy (an interdisciplinary major involving philosophy, politics, and economics), Music, Religious Studies, and Science (an interdisciplinary major in molecular biology).

The small group of outstanding students admitted to the program prepare for senior comprehensive examinations in the major fields by study in individual or small-group tutorials and by independent reading and research. They normally spend the junior year in one of William Jewell's programs in either Oxford or Cambridge. Freshmen enter as Oxbridge Open students and do not apply for entry into majors until late in spring semester.

Members of many departments of the college serve as tutors. Oxbridge courses and tutorials are open only to students formally admitted to the program.

A general description of the program is given in the Curriculum section of this catalog. For detailed information, please consult *The Oxbridge Alternative Handbook*.

OXA 100. Introductory Seminar. 4 cr. hrs.

*Instructor: Kenneth Chatlos,
Oxbridge Professor of History*

An introduction to the research methods, analysis of primary and secondary sources, and writing skills which will be used in tutorials. The particular historical subject matter may sometimes vary, but students will always engage in extensive reading, writing, and discussion. Each student will present papers before the group. **Prerequisite: acceptance into the Oxbridge Alternative Program.** Successful completion of the seminar is prerequisite to any tutorial. (May be applied toward fulfillment of a social science requirement.)

OXA 150. Writing for Oxbridge. 4 cr. hrs.

*Instructor: Jim E. Tanner,
Professor of Literature*

Extensive practice in reading and writing to help students develop their ability to write

with clarity, organization, and correctness.

Prerequisite: acceptance into the Oxbridge Alternative Program. Students who have not passed the College Proficiency Test of Writing Skills when they enter the course will take that test as their final examination. The subject matter for writing and critical analysis will reinforce that of the Oxbridge Introductory Seminar. Fulfills the composition requirement. Successful completion of this course is prerequisite to any tutorial.

Tutorial Credits.

Full credit for a tutorial, including a tutorial taken in England in the major subject, is achieved only when the sophomore collection paper or related comprehensive examination papers have been completed. As credit hours are shown for the tutorials listed below, the first number indicates the credits earned when tutorial work is completed through the collection or comprehensive examination; the number in parentheses indicates the credits earned by tutorial participation and syllabus activities alone. A student who for any reason including transfer out of the college or withdrawal from the program satisfactorily finishes syllabus assignments and participates in tutorial sessions but does not finish the work of the tutorial by satisfactory performance on the collection or examination will have earned the number of credit hours shown in parentheses.

Prerequisite: a tutorial must be related to the comprehensive examination fields of a student's Oxbridge major.

TUTORIALS FOR THE O.A. TUTORIAL MAJOR IN ENGLISH LANGUAGE AND LITERATURE:

John Westlie, Professor of French, Coordinator of the major

OXE 100, 200, 400. The Narrative Voice in Literature. 8 (4) cr. hrs.

Tutor: Myra C. Unger, Professor of English

Focus on the two narrative voices in which any writer may present material—autobiographical and fictional. An intensive reading of primary and secondary works on the nature of narrative voice.

OXE 101, 201, 401. Autobiographical Voice. 4 (2) cr. hrs.

OXE 102, 202, 402.

Fictional Voice.

4 (2) cr. hrs.

OXE 106, 206. Poetry: Analysis and Critical Interpretation.

4 cr. hrs.

Instructor: Ann Marie Shannon, Professor of English

A seminar/discussion course designed to help students interested in the Oxbridge English Language and Literature major develop the vocabulary and skills needed for analysis of poetry and to introduce them to some important critical approaches to literature. It is a corequisite of the first OXE tutorial course taken by a student exploring or entering the Oxbridge ELL major. Prerequisites: successful completion of OXA 100 and 150, concurrent enrollment in an OXE tutorial course.

OXE 110, 210, 410. Realism, Naturalism and Early Modern Fiction.

8 (4) cr. hrs.

Tutor: D. Dean Dunham, Jr., Oxbridge Professor of English

A study of three modes expressed in 19th and 20th century fiction, especially novels written in England, the United States and (in translation) in France, Russia and Germany. The student will consider how philosophical, particularly aesthetic, matters shape literary expression. Generic form will also be introduced.

OXE 111, 211, 411. Realist Modes.

4 (2) cr. hrs.

OXE 112, 212, 412. Naturalist and Modern Modes.

4 (2) cr. hrs.

OXE 120, 220, 420. The Tragic Impulse in Western Drama.

8 (4) cr. hrs.

Tutor: Kim B. Harris, Professor of Communication

A survey approach to great Occidental dramatic tragedies. Representative works from virtually every time period will be read as the student studies form and characterization in the plays.

OXE 121, 221, 421. Tragedy: The Dramatic Form.

4 (2) cr. hrs.

OXE 122, 222, 422. Tragedy: Perspectives Through Drama.

4 (2) cr. hrs.

OXE 130, 230, 430. Medieval and Renaissance English and Continental Literature.

8 (4) cr. hrs.

Tutor: John Westlie, Professor of French

The tutorial traces the successive responses to the tradition established by the lyric poets (troubadours) who wrote in Southern France during the 12th century; through northern France, leading to Chaucer, and through the poets of Renaissance Italy to Elizabethan sonnet sequences and Shakespeare.

OXE 131, 231, 431. Chaucer and the French Tradition.

4 (2) cr. hrs.

OXE 132, 232, 432. Elizabethan Poetry and Italian Literature.

4 (2) cr. hrs.

OXE 240, 440. Trends in Contemporary World Fiction.

8 (4) cr. hrs.

Tutor: Ian Munro, Professor of English

An examination of important issues in debate in post-World War II fiction. The tutorial compares the approach of major contemporary English, American, European and Third World writers to issues like social responsibility, the nature of fiction and the limits of formal experimentation.

OXE 241, 441. Issues of Form.

4 (2) cr. hrs.

Crucial areas of formal experimentation in contemporary international fiction.

OXE 242, 442. Issues of Interpretation.

4 (2) cr. hrs.

The intense international debate over what fiction has to say about man and society.

OXE 250, 450: Critical Theory.

Tutor: Michael Williams, Professor of English

OXE 251, 451. 20th Century Literary Theory and Method.

4 (2) cr. hrs.

This first unit traces the dominant schools of literary criticism from the late nineteenth century to the present. Those schools are often labeled traditional, formalist, structuralist, and deconstruction. During the first seven weeks the student will study the four schools in chronological order, looking especially at the theoretical bases of each; during the second seven weeks he or she will examine and apply the methods employed by each to a short story, a poem, and to Jane Austen's *Emma*.

OXE 260, 460: Medieval Devotional Literature. 4 (2) cr. hrs.

Tutor: Patricia Deery Kurtz, Adjunct Tutor in English Language and Literature

Medieval devotional literature from the Old English "Dream of the Rood" to the late Middle English morality play *Everyman*. Analysis of devotional poetry, prose, and drama in terms of subjects, themes, images, and purpose; emphasis on English literature, but some consideration of works by continental writers; comparison and contrast of various types of piety; discussion of the social framework; some sessions devoted to the study of paleography.

OXE 171, 271, 471. The Protagonist in Modern American Fiction. 4 (2) cr. hrs.

Tutor: Mark Walters, Assistant Professor of English

An examination of the development of the protagonist in modern American fiction; primary concern with the roles of modernist perceptions and modes of expression in the demise of the traditional, "masculine" literary hero and in the inevitable and necessary creation of a self-conscious and, thus, ineffectual protagonist.

OXE 490. Thesis. 4 (2) cr. hrs.

Tutor: Staff

The thesis tutorial allows a student to pursue research into a literary topic of particular interest and to complete either a substantial research paper on that topic or two drafts of an honors project paper. It helps the student become familiar with the materials, methods, and conventions of literary research and writing.

OXE 495. English Language and Literature Synthesis. 8 (4) cr. hrs.

Tutors: John Westlie, Coordinator of the major, and staff

Revisions for the comprehensive examinations. Intensive reading and rereading, writing of examination-style essays.

TUTORIALS FOR THE O.A. TUTORIAL MAJOR IN HISTORY:

Kenneth Chatlos, Oxbridge Professor of History, Coordinator of the major

OXH 110, 210, 410. The Antebellum American Experience; U.S. 1787-1860. 8 (4) cr. hrs.

Tutor: Fredrick M. Spletstoser, Professor of History

A detailed survey of antebellum American history (1787-1860), concentrating on

- 1) Government, politics and economics and
- 2) American society, culture and thought.

OXH. 111, 211, 411. U.S. in the Pre-Civil War Crisis—Government, Politics, Economics. 4 (2) cr. hrs.

OXH. 112, 212, 412. Society, Culture, Thought—Early National & Middle Period. 4 (2) cr. hrs.

OXH 220, 420. Political Leadership in Spanish America. 8 (4) cr. hrs.

Tutor: Antonio Vera, Professor of Modern Languages

A general view of Spanish-American history, focusing on the theme of political leadership, and the closely related concepts of political, social, and economic stability. The student will first acquire a general thematic comprehension of the history of the Spanish-American countries. Later, the student will examine the different views on the subject of political leadership in the area.

OXH 221, 421. Spanish-American History. 4 (2) cr. hrs.

OXH 222, 422. Stability and Leadership in Spanish America. 4 (2) cr. hrs.

OXH 230, 430. Renaissance and Reformation Thought. 8 (4) cr. hrs.

Tutor: Kenneth Chatlos, Oxbridge Professor of History

A study of the most influential thinkers and movements in Renaissance and Reformation Europe (circa A.D. 1300-A.D. 1600). A careful reading of primary sources related to these thinkers and movements, and of scholarly secondary sources which interpret Renaissance and Reformation thought. Preparing essays on critical problems related to these thinkers and movements.

OXH 231, 431. Renaissance Thought.
4 (2) cr. hrs.

OXH 232, 432. Reformation Thought.
4 (2) cr. hrs.

OXH 240, 440. The Urban Experience in America.
4 (2) cr. hrs.

Tutor: Frederick M. Spletstoser, Professor of History

A detailed examination of major topics relating to the city in American history from colonial times to present. Heavy emphasis is placed on the development of the urban interpretation of American history and the rise of urban history as a distinct subfield within the discipline of history. Unique problems inherent to city building and urban life are analyzed as is the city's continuing contribution to and dominance of American institutions.

OXH 150, 250, 450. Hitler's Europe.
4 (2) cr. hrs.

Tutor: Kenneth Chatlos, Oxbridge Professor of History

A consideration of major problems associated with the Weimar Republic and the Third Reich. Special attention will be given to Hitler's emergence, triumph, and failure, and to Germany's relationships with other European states.

OXH 155, 255, 455. The Soviet Union.
4 (2) cr. hrs.

Tutor: Kenneth Chatlos, Oxbridge Professor of History

A consideration of major problems faced in the Soviet Union from 1917 to 1990. Attention will be given to issues of continuity and change in the exercise of power by Soviet leaders within Soviet institutions. Special consideration given to totalitarianism.

OXH 160, 260, 460. Politics and Society in Eighteenth-Century Britain.
4 (2) cr. hrs.

Tutor: Elaine A. Reynolds, Associate Professor of History

Examines the issues and events of 18th-century British politics from the Glorious Revolution of 1688 to the French Revolution of 1789. In between, examines topics such as the growth of political parties, the rise of Cabinet

government, the nature of aristocratic society, the impact of King George III, the Stamp Act crisis, the importance of London and its politics and the rise of radicalism. An emphasis is also placed on examining the changing views of historians in regard to these crucial topics in British history.

OXH 165, 265, 465. The Old Regime and Revolutionary France, 1770-1815. 4 (2) cr. hrs.

Tutor: Elaine A. Reynolds, Associate Professor of History

This course looks at the basic political, social, economic and cultural institutions of France and how they helped give rise to and were changed by the French Revolution. The Revolution is one of the pivotal events in the development of modern European politics, society, and thought. Topics examined include the origins of the Revolution, the impact of liberal thought on the course of the Revolution, the Reign of Terror, counterrevolution, Napoleon and his empire, and the historiography of the Revolution. Readings are in English but there are plenty of opportunities for those with superior French reading skills to make use of them.

OXH 270, 470. The Spanish Civil War.
4 (2) cr. hrs.

Tutor: Antonio Vera, Professor of Modern Languages

A study of the political, economic, social, military, and international aspects of the Spanish Civil War (1936-1939), with an introduction to the periods that led to the War: the Constitutional Monarchy, 1875-1923; the Dictatorship, 1923-1931; the Republic, 1931-1936.

OXH 180, 280. Survey of United States History.
4 (2) cr. hrs.

Tutor: Frederick M. Spletstoser, Professor of History

An intensive survey of the American experience from the colonial era to the present. It introduces the student to and cultivates a solid understanding of major topics in American history and the basic interpretations of those topics which historians have propounded over the years. Designed specifically for the Oxbridge history student with little background in U.S. history.

OXH 490. Thesis. 4 (2) cr. hrs.

Tutor: Staff

This tutorial provides a structure for a final thesis project which Oxbridge history majors must pursue. It introduces students to the methods of research used by professional historians in their study. It also provides a flexible framework for students to use such methods in a project upon which they and their advisor agree.

OXH 495. History Synthesis. 8 (4) cr. hrs.

Tutor: Kenneth Chatlos, Oxbridge Professor of History

This Synthesis Tutorial is designed to bring together the student's Oxbridge experience in preparation for comprehensive examinations.

TUTORIALS FOR THE O.A. TUTORIAL MAJOR IN INSTITUTIONS AND POLICY:

Michael Cook, Boatwright Professor of Economics, Coordinator of the major

OXI 110, 210, 410.

Moral Philosophy. 8 (4) cr. hrs.

Tutor: Robert S. Trotter, Professor of Philosophy; Gerald W. Eichhoefer, Associate Professor of Computer Studies and Philosophy

An examination of the enduring concepts and principles of moral philosophy and an application of them to arriving at reasonable judgments concerning timely moral issues. An intensive reading of, and preparing essays on, the classical and contemporary works that are well established as the most valuable for articulating moral issues and for evaluating the arguments in support of positions on them. A probing study of, and the development of moral positions on, the most timely moral issues.

OXI 111, 211, 411. Moral Theory.

4 (2) cr. hrs.

OXI 112, 212, 412. Moral Issues.

4 (2) cr. hrs.

OXI 120, 220, 420.

Economic Thought. 8 (4) cr. hrs.

Tutors: Michael Cook, Boatwright Professor of Economics; Lowell Jacobsen, Associate Professor of Economics

The tutorial examines concepts developed by important economic writers.

OXI 121, 221, 421.

Classical Political Economy. 4 (2) cr. hrs.

OXI 122, 222, 422. Modern Economic Thought. 4 (2) cr. hrs.

OXI 170, 270, 470. British and American Political Institutions. 4 (2) cr. hrs.

Tutor: Staff

This tutorial is designed to deepen the student's understanding of political institutions and regimes through an in-depth examination and critique of modern British and American political institutions. The tutorial is designed with three parts. Part one is an introduction to political institutions and democratic theory. It is designed to acquaint the student with political institutions and democratic theory from a "macro" perspective. Part two examines in detail the political institutions of two contemporary democratic regimes: the United States and Great Britain. Part three concludes the tutorial by asking the student to integrate parts one and two by critiquing the political institutions of these two regimes and offering changes to alleviate the problems which s/he finds.

OXI 230, 430. Man and the Industrial Organization. 8 (4) cr. hrs.

Tutor: Elizabeth R. Hoyt, Assistant Professor of Business Administration

An examination is made of the evolving relationship of man as worker in the industrial organization. Schools of thought which have both shaped and reflected this relationship are studied in their historical context. The experience of the worker in the United States over the last 100 years is emphasized. The reading of primary sources and the preparation of essays is the dominant mode of instruction.

OXI 231, 431. The Industrial Revolution through the Great Depression. 4 (2) cr. hrs.

OXI 232, 432. World War II to the Present. 4 (2) cr. hrs.

OXI 240, 440. Foundations of Modern Social Theory. 4 (2) cr. hrs.

Tutor: Anton K. Jacobs, Associate Professor of Sociology

Definition of sociology in relation to institutions and policy. Close examination of four of the most important thinkers in the development of modern social thought: Comte, Marx, Durkheim, and Weber. Application of their thought to social analysis of a novel about the modern world.

OXI 150, 250, 450.

The Modern Presidency. 4 (2) cr. hrs.

Tutor: Staff

This tutorial examines the modern presidency with a focus on the institutions created after the second World War, decision making theory, and the influence of the White House staff. Specific policy decisions are evaluated as they relate to more abstract theoretical constructs.

OXI 260, 460. History of American Law.

4 (2) cr. hrs.

Tutor: Kimberly H. Harris, Associate Professor of Business Administration; J. Eric Helsing, Hull Professor of Communication in Business and Leadership

A survey of the history of law in America from settlement to today, focusing on its development in the context of the society it was meant to serve.

OXI 423. Modern Macroeconomic Thought.

4 (2) cr. hrs.

Tutor: Michael Cook, Boatwright Professor of Economics

Students will write essays on seven major schools of macroeconomic thought. They will begin by studying classical theory and Keynesian theory because these theories are the foundations from which more recent schools derive. Students will examine some attempts to integrate these two theories as well as schools that more fully develop each of these theories.

OXI 490. Thesis. 4 (2) cr. hrs.

Tutor: Michael Cook, Boatwright Professor of Economics

This tutorial provides an opportunity to acquire research skills. Students will learn how to use various types of library resources, how

to use an outline to organize a lengthy research paper and how to write such a paper.

OXI 495. Synthesis. 8 (4) cr. hrs.

Tutors: Michael Cook, Boatwright Professor of Economics; Elizabeth R. Hoyt, Assistant Professor of Business Administration; Lowell Jacobsen, Associate Professor of Economics; Robert S. Trotter, Professor of Philosophy.

The tutorial uses the casebook method to examine the moral responsibility of the individual and the corporation, both domestically and internationally.

TUTORIALS FOR THE O.A. TUTORIAL MAJOR IN MUSIC:

Sandra Emig, Professor of Music, Coordinator of the major

OXM 100, 200, 400. Common Practice Harmony and Beyond: Melodic, Harmonic, Contrapuntal, Rhythmic, and Stylistic Practices of the 16th through 20th Centuries. 8 (4) cr. hrs.

Tutor: Sandra Emig, Professor of Music

A comprehensive study of Common Practice harmonic principles, their development through 16th- and 18th-century contrapuntal practices, and their dissolution through a variety of 20th-century compositional practices.

OXM 101, 201, 401. Common Practice Harmony: Diatonic and Chromatic Practices. 4 (2) cr. hrs.

OXM 102, 202, 402. Beyond Common Practice Harmony: Contrapuntal and 20th-Century Practices. 4 (2) cr. hrs.

OXM 220, 420. The Development of Western Music from the Early Renaissance to Mid-20th Century. 8 (4) cr. hrs.

Tutor: Donald C. Brown, Professor of Music

An examination of significant influences and developments in music of the Renaissance and Baroque Eras.

OXM 221, 421. The Study of Western Music of the Renaissance and Baroque Eras. 4 (2) cr. hrs.

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OXM 222, 422. The Study of Western Music of the Classic, Romantic and 20th Century Periods. 4 (2) cr. hrs.

OXM 230, 430. Instrumental Conducting In Theory and Practice. 8 (4) cr. hrs.

Tutor: Phillip Posey, Professor of Music

Instrumental Conducting in Theory and Practice: a technical, historical and practical basis for the development of the instrumental conductor.

OXM 231, 431. Basic Instrumental Conducting. 4 (2) cr. hrs.

OXM 232, 432. Basic Instrumental Conducting In Practice. 4 (2) cr. hrs.

OXM 240, 440. Symphonic Literature. 4 (2) cr. hrs.

Tutor: Phillip Posey, Professor of Music

Study of significant orchestral literature, organized by historical periods. The student will examine the music (through the use of scores and recordings), investigate musical performance and style, relate the musical life of the day with the historical period, and examine the life and works of selected composers.

OXM 250, 450. Choral Conducting. 4 (2) cr. hrs.

Tutor: Arnold Epley, Professor of Music

A tutorial based upon the acquisition of choral conducting skill and techniques, including gesture; vocal and choral tone; diction; rehearsal procedures; score study; and performance practice. Rehearsal and performance opportunities with campus ensembles are included.

OXM 260, 460. Formal Structures in Music. 4 (2) cr. hrs.

Tutor: Sandra Emig, Professor of Music

A study and analysis of the principal structural forms of eighteenth- and nineteenth-century music.

OXM 270, 470. Musical Composition. 4 (2) cr. hrs.

Tutor: Sandra Emig, Professor of Music

This tutorial is designed to offer students in the Oxbridge Music program structured and supervised opportunity for the composition and arrangement of significant musical works.

OXM 490. Thesis. 4 (2) cr. hrs.

Tutor: Staff

This tutorial provides structure for a final project in the individual student's music Oxbridge specialty. Normally, students in a performance, conducting or composition specialty will research supportive material while preparing for a full-length senior recital or the equivalent, while those students in a music history or church music specialty will research material leading to the writing of an undergraduate thesis in the specialty area.

OXM 495. Synthesis. 8 (4) cr. hrs.

Tutors: Sandra Emig, Professor of Music (coordinator); Donald C. Brown, Professor of Music; Phillip Posey, Professor of Music

This tutorial is designed as the capstone course in the Oxbridge music program. Its primary goal is to help the student relate and consolidate the areas of music theory, history, literature and performance. In addition to synthesizing the material presented in the tutorials, it will also serve as a program of preparation for the comprehensive examinations in the program.

TUTORIALS FOR THE O.A. TUTORIAL MAJOR IN RELIGIOUS STUDIES:

David N. Duke, Professor of Religion, Coordinator of the major

OXR 100, 200. Orientation to the Study of the Bible. 4 (2) cr. hrs.

Tutor: J. Bradley Chance, Professor of Religion

An introduction to the historical-critical study of the Bible. Such topics as Pentateuchal criticism, apocalypticism, synoptic gospel criticism, and Israelite, Jewish and early Christian history will be explored. In addition, the implications of historical-critical study on such important issues as biblical theology and

inspiration will be examined. The student will read selections from more than 30 representatives of biblical scholarship and will write six essays on different critical, historical, and theological issues.

OXR 211, 411. The Patriarchs Through the 8th Century Prophets. 4 (2) cr. hrs.

Tutor: David O. Moore, Professor Emeritus of Religion

An examination of the history and literature of the pre-eighth-century Hebrew community. Emphasis is upon exegesis of biblical passages relating to each selection section. The student will be expected to master and use the historical-critical method of biblical study.

OXR 220, 420. Christian Theology. 8 (4) cr. hrs.

Tutor: David N. Duke, Professor of Religion

An introduction to Christian theology by examining the nature of religious faith in its classical and contemporary forms. Exploration of the theme in light of the challenges to faith, especially those related to the theodicy question: how one deals with extraordinary human suffering in light of the orthodox claim that God is both good and omnipotent.

OXR 221, 421. Faith and Doubt. 4 (2) cr. hrs.

OXR 222, 422. Faith, Suffering, and the Nature of God. 4 (2) cr. hrs.

OXR 230, 430. History and Literature of Early Christianity. 8 (4) cr. hrs.

Tutor: J. Bradley Chance, Professor of Religion

This tutorial investigates a selection of some of the important documents which emerged from the early decades of the Christian movement. The teachings of Jesus, the message of the earliest followers of the Jesus movement, the theology and ethics of Paul, the interpretations of the Christian message offered by Mark, Luke and John will be examined. The student will read broadly in the New Testament itself as well as from important secondary literature.

OXR 231, 431. Jesus to Paul. 4 (2) cr. hrs.

OXR 232, 432. Paul to John. 4 (2) cr. hrs.

OXR 240, 440. Reading the Old Testament Law and Prophets. 8 (4) cr. hrs.

Tutor: Milton Horne, Associate Professor of Religion

The two parts of this tutorial provide an introduction to a first critical reading of two major components of the Hebrew Bible: the Law and the Prophets. The focus is primarily literary; any ultimate significance of the Hebrew Bible must derive from a thorough awareness of its language, rhetoric and a history of composition. Thus, the history of Israel is relevant only insofar as it illuminates the sociological and cultural aspects which inform the literary process.

OXR 241, 441. Reading the Old Testament Law. 4 (2) cr. hrs.

OXR 242, 442. Reading the Old Testament Prophets. 4 (2) cr. hrs.

OXR 250, 450. Christian Ethics, Political Power and Economic Justice. 8 (4) cr. hrs.

Tutor: David N. Duke, Professor of Religion

An introduction to Christian Ethics using the lives and writings of major Christian theologians and leaders who responded to the significant economic and political issues of the modern world.

OXR 251, 451. Christian Ethics: Economic and Political Issues in Modern America. 4 (2) cr. hrs.

An introduction to Christian Ethics using the lives and writings of major Christian theologians and leaders who responded to the significant economic and political issues of the modern world. Major figures in modern America emphasized.

OXR 252, 452. Christian Ethics: The Problems of Totalitarianism and the Challenge of Marxism. 4 (2) cr. hrs.

An introduction to Christian Ethics using the lives and writings of major Christian theologians and leaders who dealt with the problems of totalitarianism and the challenge of Marxism.

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OXR 260, 460. The Church Fathers.

4 (2) cr. hrs.

Tutor: J. Bradley Chance, Professor of Religion

An investigation of the major figures and issues which shaped Christianity from the second through the fifth centuries. Issues such as the interpretation of Scripture, the fights against heresy, and the establishment of Catholic identity and doctrine will be examined.

OXR 495. Synthesis.

8 (4) cr. hrs.

*Tutors: David N. Duke, Professor of Religion;
J. Bradley Chance, Professor of Religion*

In preparation for the comprehensive examination in Religious Studies, a study of the sociological basis of religious authority, the rise and evolution of religious authority in the context of the early Christian movement and the nature of religious authority for theological and ethically normative claims.

TUTORIALS FOR THE O.A. TUTORIAL MAJOR IN SCIENCE:

Judith A. Dilts, Professor of Biology, Coordinator of the major

OXS 100, 200. Cell and Molecular Biology: An Introduction.

4 (2) cr. hrs.

Tutor: Judith A. Dilts, Professor of Biology

An introduction to the study of the molecular biology of the cell, this tutorial will include a brief history of cell and molecular biology, an introduction to the microscope, a comparison of prokaryotic and eukaryotic cells and an in-depth study of cellular evolution. Labs included are designed to give lab and analytical skills and to illustrate the topics being studied. The tutorial is designed to cover 14 weeks and assumes a knowledge of freshman level chemistry.

OXS 110, 210, 410. Calculus.

8 (4) cr. hrs.

Tutor: Joseph Truett Mathis, Associate Professor of Mathematics

A study of the differential and integral calculus, its development and application. Certain background readings on mathematics, related to mathematical history and the people involved.

OXS 111, 211, 411.

The Differential Calculus. 4 (2) cr. hrs

OXS 112, 212, 412.

The Integral Calculus. 4 (2) cr. hrs.

OXS 220. Organic Chemistry. 8 (4) cr. hrs.

Tutor: Marvin Dixon, Professor of Chemistry

The course is a study of the basic reactions of organic molecules and the relationships of structure to reactivity. Reaction mechanisms will be developed and examined. Structures will be defined by physical and chemical techniques. Laboratory skills in synthesis and observation will be developed at the microscale level. The application of basic information to new situations will be an integral part of the course. Textual material, primary and secondary sources, computer programs, audiovisual materials, laboratory experimentation and problem sets compose the learning tools to be used by the student.

OXS 221. Organic Chemistry I.

4 (2) cr. hrs.

OXS 222. Organic Chemistry II.

4 (2) cr. hrs.

OXS 240, 440. History of Science:

Molecular Biology. 4 (2) cr. hrs.

Tutor: Burdette L. Wagenknecht, Professor Emeritus of Biology

A comprehensive study of the sequential development of the field of molecular biology including instrumentation and other supportive concepts required for the development of molecular biology and the impact of the discoveries on society. An intensive reading of and preparing essays on materials derived from original papers, texts and reviews of the topic.

OXS 330, 430. Molecular Biology of the Cell: Cellular Membranes. 4 (2) cr. hrs.

Tutor: Staff

The student will probe the nature of cellular membranes. This will include intensive studies of structures and the functions those structures support. The student will do extensive reading and write weekly essays of several cellular membranes (plasma, nuclear, mitochondrial, etc.). Laboratory studies will parallel the weekly essays where the protein component of the study membranes will be characterized.

OXS 445. Analytical Biochemistry.

4 (2) cr. hrs.

Tutor: Staff

An introduction to the basic techniques of biochemical study as applied to the isolation and characterization of a protein. A mixture of literature review and laboratory work will enable the student to gain an appreciation of the methods studied.

OXS 350, 450. Genes.

4 (2) cr. hrs.

Tutor: Judith A. Dilts, Professor of Biology

A comprehensive, in-depth study of the structure and function of prokaryotic and eukaryotic genes through the use of textual material, primary and secondary sources and problem sets. The laboratory component exposes the student to molecular cloning techniques. A working knowledge of Mendelian genetics is a prerequisite.

OXS 360, 460. Molecular Biology of the Cell: The Artificial Cell.

8 (4) cr. hrs.

Tutor: Staff

The student is asked to consider the duplication of cell organelle structure and/or function. Essays will be prepared that begin with a brief description of the structure and function of an assigned organelle. The student will then describe current work in the literature concerning the synthetic duplication of this organelle. If this structure has not been duplicated, the student will need to discuss this also. The student will attempt to assemble an organelle of the student's selection and conduct assigned problem set.

OXS 470. Physical Chemistry for Biologists.

4 (2) cr. hrs.

Tutor: Edwin H. Lane, Professor of Chemistry

The tutorial examines the topics and applications of physical chemistry which are most relevant to a molecular biologist. Traditional areas of study—thermodynamics, kinetic molecular theory, equilibrium, solutions, reaction rates, etc.—are expanded to include examples from biology. Additional topics, such as membranes, macromolecules and enzymes, are included to present a fuller picture of the use of mathematics, physics and chemistry to biologists. The tutorial emphasizes problem solving and does not include a laboratory.

OXS 480. Research.

8 (4) cr. hrs.

Tutors: Staff

The student will design and carry out a research project which culminates in both written and oral presentation of the results.

OXS 481. Research I. 4 (2) cr. hrs.

OXS 482. Research II. 4 (2) cr. hrs.

OXS 495. Molecular Biology Synthesis.

8 (4) cr. hrs.

Tutor: Judith A. Dilts, Professor of Biology

Synthesis Tutorial for Oxbridge Science Major, Molecular Biology: The cell provides a synthesizing framework consisting of the processes involved in cellular metabolism, distinction, growth and reproduction. The framework provides a structure into which the student can place topics from tutorial and independent study, thus preparing for comprehensive examinations.



Philosophy

Sherwood Professor of Philosophy Trotter, chairman; Associate Professors Eichhoefer, Morris

THE W.D. JOHNSON DEPARTMENT OF PHILOSOPHY

All philosophy majors are required to take 201, 202 and 231 or 331. Twenty-four hours are required for a major in philosophy. Those completing a second major in philosophy must complete the requirements for the bachelor of arts degree.

102. Freshman Seminar. 2 cr. hrs.

A course designed to provide an exciting opportunity for a select group of freshmen to engage in discussion of some issue relevant to their individual development. The seminar will be directed by two upperclassmen who will, in consultation with the philosophy department, select the topic and source materials. The course will be conducted entirely on a discussion basis. It will be offered only when qualified upperclassmen are available. Instructor approval required.

201. Introduction to Philosophy. 4 cr. hrs.

A study of the philosophic quest for wisdom concerning such timeless, ever-relevant issues as the existence of God, the validity of religious faith, the nature of the self, the basis of knowledge, the justification of morality, freedom and determinism, and political liberty. The course proceeds largely by discussion of clearly written essays representing contrasting views on the topics and is designed to enable the students to develop skills in stating and defending their own positions on these questions. Fall semester.

202. Ethics. 4 cr. hrs.

An examination of the major theories of value and moral obligation, and an application of them to such contemporary issues as abortion, euthanasia, sexual morality, discrimination against minorities, the death penalty, world hunger and environmental ethics. The course provides an opportunity for the students to acquire skill in developing their own positions on these questions.

231. Logic. 4 cr. hrs.

A first course in logic designed to aid in the development of critical attitudes, to learn the

general methods of inquiry, and to enable the student to formulate independent judgments. The course emphasizes techniques of clarification, deductive and inductive patterns of reasoning. Spring semester.

301-302. Seminar. 4 cr. hrs.

An intensive reading and discussion of problems, thinkers, and movements in philosophy. Two seminars are offered each semester. The topics and materials are selected each year in accordance with the needs and interests of those enrolling in the seminars. In alternate years a two-semester survey of the history of philosophy is provided. The seminars are open to any student who has demonstrated in at least one course in philosophy the qualities of self motivation, self discipline, and responsibility essential to the success of the seminars. Topics previously examined and which can be repeated on demand are: Philosophy of Mind, Philosophy of Religion, Philosophers and God, The Existence of God, Freedom and Determinism, Existentialism, Kierkegaard and Nietzsche, Buber and Heidegger, Marcel and Sartre, Philosophy through Literature, American Philosophy, Medical Ethics, Philosophy of Science, Business Ethics, and Philosophy of Creativity. Instructor approval required.

313. Classical and Medieval Political Thought. 4 cr. hrs.

See course description for POL 313.

314. Modern Political Thought. 4 cr. hrs.

See course description for POL 314.

331. Symbolic Logic. 4 cr. hrs.

See course description for MAT 331.

402. Teaching Practicum. 4 cr. hrs.

Upperclass students with considerable background in philosophy who evidence the qualities essential for teaching may be invited to direct a freshman seminar. They will conduct the course under the supervision of members of the department, who will meet with them frequently in conferences to evaluate the progress of the seminar.

450. Philosophical Foundations of Education. 2 cr. hrs.

See course description for EDU 450.

451, 452. Readings in Philosophy. 1-4 cr. hrs.



Physical Education

Physical Education

Assistant Dean LaBeth; Professor Nadler, Chairwoman; Assistant Professors Brown, Deremer, Flook, Hamilton, Holley; Instructors Baker, Hornback, Kramer, Newman, Tucker.

GENERAL EDUCATION REQUIREMENTS

Two hours of physical education activity are required of all students for graduation. Students fulfill this requirement by selecting two to four of the lifetime activities listed below. (Students who entered under a previous catalog may count PED 100 or PED 101 for one of the two required activity hours.) Four hours of activity may be counted within the 124 hours required toward a degree. The Physical Education Department encourages students to involve themselves in aerobic activity at least three times per week. The asterisk denotes which course offerings provide an aerobic workout. The Department challenges every student who cannot swim to conquer any fear of the water and to learn skills which could potentially save her/his life by enrolling in nonswimmer swimming or beginning swimming.

PED 104 Archery	.5
PED 105 Badminton	.5
PED 107 Bowling	.5
PED 109 Fencing	.5
PED 110 Golf	1.0
PED 112 Racquetball	.5
PED 115 Karate	1.0
PED 116 Ballroom Dance	1.0
PED 120 Super Circuit*	1.0
PED 121 +Recreational Water Games	.5
PED 122 Volleyball	.5
PED 124 Fly tying and Fishing	.5
PED 126 Swimming	1.0
PED 127 +Scuba Diving	1.0
PED 128 Tennis	1.0
PED 129 +Lifeguard Training	1.0
PED 130 Water Exercise*	.5
PED 132 Tumbling	1.0
PED 133 Strength and Conditioning	1.0
PED 134 Horseback Riding	.5
PED 136 Jogging*	.5
PED 137 Recreational Sports	.5
PED 138 Rhythmic Aerobics*	.5

PED 139 +Water Safety Instructor@	1.0
PED 140 Special Activities:	
+Lap Swimming*	.5
Walking Off Weight*	.5
Roller Skating	1.0
+Water Skiing	.5
+Sailing	.5
Country Line Dance	.5
Bicycling*	.5
Huntseat	.5
Country Partners	.5
Camping	.5
Snow Skiing	.5
Rappelling	.5
Group & Party Activities	.5
Nonswimmer Swimming	.5
+Kayaking	.5
+Diving	.5
Wallyball	.5

Some of the above courses require a special fee.

+Prerequisite: Must be able to swim a minimum of 25 meters.

@Requires concurrent enrollment in PED 339.

*Aerobic workout

All courses within the physical education Lifetime Activities Curriculum will be taught on a pass-fail basis. Courses will be adapted to meet special needs. The same activity may not be repeated for credit toward a degree but students may repeat courses on a 0 credit basis.

COMPLEMENTARY PROGRAMS

The following recommended programs match courses in physical education with majors in other disciplines. They provide the flexibility and diversity needed to allow students to pursue specific career interests in coaching, sports medicine, and sports/recreation management while at the same time providing the breadth needed to adapt these interests to a variety of markets. The complementary programs thereby strengthen the student's academic preparation and enhance career options.

COACHING

For students with a career interest in coaching, the following complementary programs are recommended.

Physical Education

A. Coaching in the Public Schools. Recommended major: a teacher certification area from the list on page 53 of the 1994-95 catalog. Also take courses listed below in C.

B. Coaching in the Junior College/College/University.

Recommended major: Communication or Business Administration. Also take courses listed below in C.

C. Coaching Courses: Fourteen hours recommended.

PED 261	Prevention and Treatment of Athletic Injuries	2
PED 280	Sports Science	2
PED 300	Physiology of Exercise	2
PED 392	Kinesiology	2
PED 410	Internship in Coaching	2

And at least two of the following:

PED 339	Analysis of Coaching Swimming and Diving	2
PED 394	Analysis of Coaching Drill Teams and Cheerleaders	2
PED 395	Analysis of Coaching Football	2
PED 396	Analysis of Coaching Basketball	2
PED 397	Analysis of Coaching Baseball and Softball	2
PED 398	Analysis of Coaching Track and Field	2
PED 399	Analysis of Coaching Volleyball	2

Note: Students wishing to take the minimal requirements for ACEP (American Coaching Effectiveness Program) certification should take PED 280, PED 360, and one PED analysis of coaching course.

SPORTS MEDICINE

For those students interested in sports medicine, the following plan provides course work necessary to satisfy NATA (National Athletic Trainers Association) requirements and/or physical therapy prerequisites. It opens the fields of athletic training, physical therapy, sports psychology, and exercise science.

A. Recommended major: Biology or Psychology.

B. Complementary program courses:

CHE 121	General Chemistry I	4
CHE 122	General Chemistry II	4
BIO 132	Cells and Systems	4
BIO 243	Human Anatomy	4
BIO 244	Human Physiology	4
PSY 211	Basic Psychology	4
NUR 307	Nutrition	2
PED 250	Health Science	2
PED 261	Prevention and Treatment of Athletic Injuries	2
PED 300	Physiology of Exercise	2
PED 385	Adaptive Physical Education	2
PED 392	Kinesiology	2

C. In preparation for athletic trainer certification, add the following to the courses above in B.

PED 159	Clinical Experience in Athletic Training I	1
PED 259	Clinical Experience in Athletic Training II	1
PED 361	Advanced Athletic Training I	2
PED 461	Advanced Athletic Training II	2

Note: Student must log 1,500 contact hours under a certified trainer and pass NATA national exam in order to be certified. Students interested in employment in the public schools should also seek teacher certification.

D. In preparation for entry into a physical therapy program, add the following to the courses listed above in B.

MAT 145	College Algebra	4
MAT 216	Elementary Statistics for Social Sciences	4
PHY 111	College Physics	4
PHY 112	College Physics	4
PSY 303	Abnormal Psychology	4

Note: Student must log contact hours under a licensed physical therapist.

This may be done by enrolling in either PED 290, Field Experience in Recreation/Sport (or) PED 490, Internship in Recreation/Sport. Students majoring in psychology should also elect PSY 307, Life Span Developmental Psychology as part of the major.

Note: many of the courses listed in B, C, and D are components of one or the other of the recommended majors and/or may count in the general education requirement.

Physical Education

RECREATION OR SPORTS MANAGEMENT

For students interested in sports management or recreation management, the following plan provides course work and field experience in sports and recreation management.

A. Recommended major: Communication or Business Administration

B. Complementary program courses:

PED 155	Introduction to Recreation and Sport	2
PED 290	Field Experience in Recreation and Sport	2
PED 390	Facilities and Equipment in Recreation and Sport	2
PED 490	Internship in Recreation/Sport	6

C. Students interested in Recreation Management should add the following to the courses listed above in B.

PED 250	Health Science	2
PED 300	Physiology of Exercise	2
PED 385	Adaptive Physical Education	2
BUS 231	Business Law I	3

D. Students interested in Sports Management should add the following to the courses listed above in B.

PED 280	Sports Science	2
BUS 231	Business Law I	3
SOC 270	Sociology of Sport and Leisure	2

COURSES

99. Intercollegiate Athletics. .5 cr. hr.
Study of the principles and practices that affect participation in collegiate sports. *Required of all varsity athletes* during or prior to their first semester of competition at William Jewell College.

155. Introduction to Recreation and Sport. 2 cr. hr.
A general orientation for students planning careers in recreation or sport management.

159. Clinical Experience in Athletic Training. 1 cr. hr.
An introductory practicum in athletic training using a self-paced modular approach. For athletic training interns only. Offered each semester.

226. Team Sports I. 2 cr. hrs.
Rules and techniques of officiating football, volleyball, soccer and wrestling. Includes officiating experience. Restricted in 1994-95 to juniors and seniors who are majors in physical education.

227. Team Sports II. 2 cr. hrs.
Rules and techniques of officiating basketball, track/field/cross country, baseball and softball. Includes officiating experience. Restricted in 1994-95 to juniors and seniors who are majors in physical education.

250. Health Science. 2 cr. hrs.
A study of personal and community health which challenges students to consider health information from physical, emotional, social, intellectual, and spiritual dimensions and helps them master the important developmental tasks which confront them. Fall semester.

259. Clinical Experience in Athletic Training. 1 cr. hr.
An intermediate level practicum in athletic training using a self-paced modular approach. For athletic training interns only. Offered each semester.

261. Prevention and Treatment of Athletic Injury. 2 cr. hrs.
A basic course in the management of common athletic injuries and conditions. Includes study of causes of such problems and how to help prevent their occurrence. Fall semester.

270. Sociology for Sport and Leisure. 2 cr. hrs.
See course description for SOC 270. As needed.

280. Sport Science. 2 cr. hrs.
Introduces students to information from the fields of sport psychology, sport sociology, sport pedagogy, sport philosophy, sport physiology, and sport management. Successful completion of the course leads to ACEP certification. Spring semester.

290. Field Experience in Recreation/Sport. 2 cr. hrs.
Provides practical experience at selected recreation agencies. Students will be supervised by department staff and agency director(s). Requires approval of department chair. Offered each semester.

Physical Education

300. Physiology of Exercise. 2 cr. hrs.

A study of systemic functions in the human body under the stress of physical activity. Recommended prerequisites: BIO 132 and BIO 244. Fall semester, 2nd seven weeks.

339. Analysis of Coaching Swimming and Diving. 2 cr. hrs.

American National Red Cross Water Safety Instructor Course. Requires concurrent enrollment in PED 139. Certification requires meeting all current Red Cross standards. Course credit is independent of Red Cross certification. Spring semester.

350. Methods and Materials in Health Education. 2 cr. hrs.

A study of the various instructional strategies, methods, techniques, and approaches to teaching health in the public schools. Restricted in 1994-95 to juniors and seniors who are majors in physical education.

361. Advanced Athletic Training I. 2 cr. hrs.

A course intended for athletic training interns consisting of a comprehensive study of injury prevention, evaluation and recognition of athletic injury, athletic training program organization and administration, athlete counseling, and athletic training education. Prerequisites: PED 261, 300 and 393 or concurrent enrollment. Spring semester.

365. Physical Education for Elementary Schools. 4 cr. hrs.

Methods, techniques, and activities to aid in teaching physical education in the elementary schools. Emphasis is given to actual teaching experiences. Open to teachers or prospective teachers of elementary schools, or those interested in physical education programs for children. Also listed as EDU 365. Restricted in 1994-95 to juniors and seniors who have six or more hours toward a major in physical education.

375. Perceptual Motor Development. 2 cr. hrs.

A study of changes in motor behavior over the lifespan, the processes underlying these changes, and the factors affecting them. Fall semester, 2nd seven weeks.

380. History and Philosophy of Health, Physical Education, Recreation, and Sport. 2 cr. hrs.

A study of the social forces, conditions, movements, and philosophies that have come out of the past to shape contemporary health, physical education, recreation, and sport. Restricted in 1994-95 to juniors and seniors who are majors in physical education.

384. Tests and Measurement in Health, Physical Education, Recreation, and Sport. 2 cr. hrs.

A study of knowledge tests, skill tests, fitness tests, and other evaluative instruments used by physical educators in research teaching. Recommended prerequisite: MATH 216. Restricted in 1994-95 to juniors and seniors who are majors in physical education.

385. Adaptive Physical Education. 2 cr. hrs.

Designed to prepare the physical educator to select and conduct physical education activities which will meet the needs of special populations. Attention will be given to writing Individualized Educational Programs using adapted, corrective, and developmental instructional techniques. Spring semester, 2nd seven weeks.

390. Facilities and Equipment in Recreation, and Sport. 2 cr. hrs.

Planning principles and guidelines for the design, construction, and equipping of educational, recreational, and sport facilities. Fall semester, odd years.

391. Analysis of Lifetime Activities I. 2 cr. hrs.

Techniques and strategies for teaching archery, bowling, fitness, and weight training. Restricted in 1994-95 to juniors and seniors who are majors in physical education.

392. Kinesiology. 2 cr. hrs.

A study of the anatomical and mechanical bases for movement. Recommended prerequisites: Physics 103, BIO 243. Spring semester, 1st seven weeks.

393. Analysis of Lifetime Activities II. 2 cr. hrs.

Techniques and strategies for teaching racket sports and activities. Restricted in 1994-95 to juniors and seniors who are majors in physical education.

Physical Education

394. Analysis of Coaching Drill Teams and Cheerleaders. 2 cr. hrs.
Fundamentals and techniques of teaching the gymnastic and rhythmic activities associated with cheerleading and drill teams. Fall semester.

395. Analysis of Coaching Football. 2 cr. hrs.
Techniques of conditioning, methods of motivation, and strategies of coaching varsity football. Spring semester, even years.

396. Analysis of Coaching Basketball. 2 cr. hrs.
Techniques of conditioning, methods of motivation, and strategies of coaching varsity basketball. Fall semester, even years.

397. Analysis of Coaching Baseball and Softball. 2 cr. hrs.
Techniques of conditioning, methods of motivation, and strategies of coaching varsity baseball and softball. Fall semester, even years.

398. Analysis of Coaching Track and Field. 2 cr. hrs.
Techniques of conditioning, methods of motivation, and strategies of coaching varsity track and field. Spring semester, odd years.

399. Analysis of Coaching Volleyball. 2 cr. hrs.
Techniques of conditioning, methods of motivation, and strategies of coaching volleyball. Prerequisite: PED 122 (may take concurrently) or varsity volleyball experience. Fall semester, odd years.

400. Organization and Administration of Health, Physical Education, Recreation, and Sport. 2 cr. hrs.
Covers leadership styles and skills, procurement and management of resources, and coordination of the diverse efforts needed to achieve stated goals. Restricted in 1994-95 to juniors and seniors who are majors in physical education.

440. Internship in Coaching. 2 cr. hrs.
Provides opportunity to gain coaching and sport administration experience. Course may be repeated with a different sport assignment. Requires approval of department chair. Offered each semester.

460. Methods of Teaching Physical Education. 2 cr. hrs.
Covers curriculum design, class organization and management, teaching techniques, and current issues and trends in physical education. Also listed as EDU 460. Restricted in 1994-95 to juniors and seniors who are majors in physical education.

461. Advanced Athletic Training II. 2 cr. hrs.
A course intended for athletic training interns consisting of a comprehensive study in the evaluation and recognition of athletic injuries/illnesses and the appropriate rehabilitation and reconditioning procedures. Prerequisites: PED 361. Spring semester.

490. Internship in Recreation/Sport. 6 cr. hrs.
Opportunity to observe, participate, lead, and learn in a variety of recreation/sport settings and with a variety of populations. Requires approval of department chair. Offered each semester.

499. Independent Study in Physical Education. 1-6 cr. hrs.
Designed to provide the opportunity to pursue a topic of special interest which is not a part of the regular course offerings. Not applicable to activity courses except for adapted courses. Requires approval of department chair. May be repeated. Available each semester.



Physics-Astronomy

Physics and Astronomy

Professor Geilker, chairman, Professor Philpot.

THE E.S. PILLSBURY DEPARTMENT OF PHYSICS

Major: 30 semester hours, including 15 hours of junior-senior courses and three hours of advanced laboratory. At least two of those three hours must be done in residence at William Jewell. Students aspiring to teach physics at the secondary level should confer with the department chairman before establishing their course of studies.

Students majoring in physics are required to take two semesters of Independent Study and Research (PHY 351H-358H) consecutively if possible.

Students completing a second major (as well as a first) in physics must complete all requirements for the bachelor of arts degree.

A grade of C or higher is required in all courses for the major.

All students intending a major in physics should have a member of the physics faculty as their academic advisor by the end of their freshman year and should ascertain from the department certain additional requirements, such as a comprehensive examination and/or taking the Graduate Record Examination.

Physics major for the 3-2 plan of engineering with Washington University in St. Louis; Columbia University in New York; the University of Kansas; or the University of Missouri, Columbia: Physics 213, 214, 316, 322, 332, 443. For those students who expect to enter an engineering school upon graduation, the pre-engineering curriculum, plus a major in physics, mathematics or chemistry (depending upon the type of engineering—electrical, civil, mechanical, chemical) is recommended. Specifics should be obtained from the appropriate faculty advisor.

Course 103 is primarily for non-science majors who want an introductory course in the fundamentals and applications of physics.

Courses 111 and 112 are primarily for pre-health students and science majors (physics, chemistry, biology and mathematics) who want an introductory course in the fundamentals and applications of physics. It is recommended that 111 be taken first. These courses may not be counted toward the 30 semester hours of the physics major.

Courses 213 and 214 require calculus as a corequisite, and may constitute a beginning course for physics majors and pre-engineering students.

Astronomy

107. Descriptive Astronomy. 4 cr. hrs.
An historical, non-mathematical treatment of astronomy and an examination of its contribution to man's understanding of his place in the physical universe. One required night time laboratory period per week.

Graphics

105. Graphics I (Technical Drawing). 2 cr. hrs.
Instruction in use of instruments, lettering, geometric curves, orthographic and isometric projections; technical sketching, preparation of working drawings, detailing of machines, assembly drawings, auxiliary and oblique views. The last third of the course will be devoted to AutoCAD. Spring semester.

Physics

103. Foundations of Physics. 4 cr. hrs.
An introductory course in descriptive college physics, including mechanics, properties of matter, heat, sound, light, electricity, magnetism, atomic and nuclear physics. One laboratory period per week. (Will not apply toward major requirements in physics, biology or chemistry.)

111. College Physics. 4 cr. hrs.
The general principles of mechanics, waves, sound, heat and electricity, with discussions of some practical applications. Problems and laboratory work are emphasized. For science majors: mathematics, physics, chemistry, biology, pre-health. One laboratory period each week. Fall semester. (Will not apply toward physics major requirements.)

Physics-Astronomy

112. College Physics. 4 cr. hrs.

The general principles of light, optical instruments, atomic structure and nuclear physics with a discussion of some practical applications. For science majors: mathematics, physics, chemistry, biology, pre-health. One laboratory period per week. Spring semester. (Will not apply toward physics major requirements.)

213. General Physics. 5 cr. hrs.

Calculus must be taken prior to or concurrently with this course. Course includes mechanics, sound and heat. Corequisite: calculus. One laboratory period per week. Fall semester.

214. General Physics. 5 cr. hrs.

Includes electricity, magnetism, light and optics. Corequisite: calculus. Spring semester. One laboratory period per week.

306. Applied Electronics. 4 cr. hrs.

An introductory course emphasizing the applications of solid state devices such as diodes, thyristors, transistors, sensors, and linear and digital integrated circuits. May be continued as projects in Independent Study and Research or as PHY 406, Microcomputers. Prerequisite: consent of instructor. Fall semester. One laboratory period per week.

316. Atomic and Nuclear Physics. 3 cr. hrs.

A course in modern physics. Includes introduction to special relativity, x-rays and spectra, radioactivity, nuclear reactions, and other topics of importance to modern physics and chemistry. Prerequisites: PHY 214 and MAT 200. Spring semester, even-numbered years.

317. Atomic and Nuclear Physics Laboratory. 1 or 2 cr. hrs.

To follow or accompany PHY 316. Fall semester. Three hours laboratory work per week for each credit hour.

318. Heat and Thermodynamics. 3 cr. hrs.

Includes study of temperature, thermodynamic systems, work, first and second laws of thermodynamics and entropy. A brief introduction to statistical mechanics and kinetic theory. For students of physics, chemistry and engineering. Prerequisites: PHY 214, MAT 200. Spring semester, even-numbered years.

322. Optics. 3 cr. hrs.

An advanced course in light. Includes a study of lenses, reflectors, prisms, spectrometers, ruled gratings, spectra, interferometers, diffraction, polarization and electromagnetic theory of light. Prerequisites: PHY 214 and MAT 200. Fall semester, odd-numbered years.

323. Optics Laboratory. 1 or 2 cr. hrs.

To follow or accompany PHY 322. Three hours laboratory work per week for each credit hour.

332. Analytical Mechanics (Statics). 3 cr. hrs.

Concerned with basic concept of force systems, conditions of equilibrium, structures, distribution of forces, centroids, effects of friction, moments of inertia and the principle of virtual work. Methods of the calculus and graphical analysis, including vectorial representation, will be freely employed. Prerequisite: MAT 200. Spring semester, odd-numbered years.

351H-358H. Independent Study and Research. 1 cr. hr.

A detailed study of some specific problem or experiment in physics, history of physics, reading from current literature of physics. Available each semester.

406 A & B. Microcomputers: Architecture and Interfacing. 2 or 4 cr. hrs.

Provides an introduction to the electronics hardware of microcomputers. The microcomputer will be considered as a system and also its functional blocks (CPU, memory, control, and input/output) examined individually. There will be some laboratory work in interfacing. Students not requiring the interfacing may enroll for the architecture component only (2 cr. hrs., first seven weeks). Also listed as CST 406 A & B. Prerequisite: PHY 306. Spring semester.

415. Electricity and Magnetism. 4 cr. hrs.

Electrostatics, magnetism, resistance, capacitance, inductance, electromagnetic induction, electric circuits. Maxwell's equation and field theory. Prerequisites: PHY 214 and MAT 201. Fall semester, even-numbered years.

416. Electronic Measurements. 1 cr. hr.

Measurement of parameters of interest in laboratory and industrial research: temperature, pressure, light, magnetic fields, linear and

Physics-Astronomy

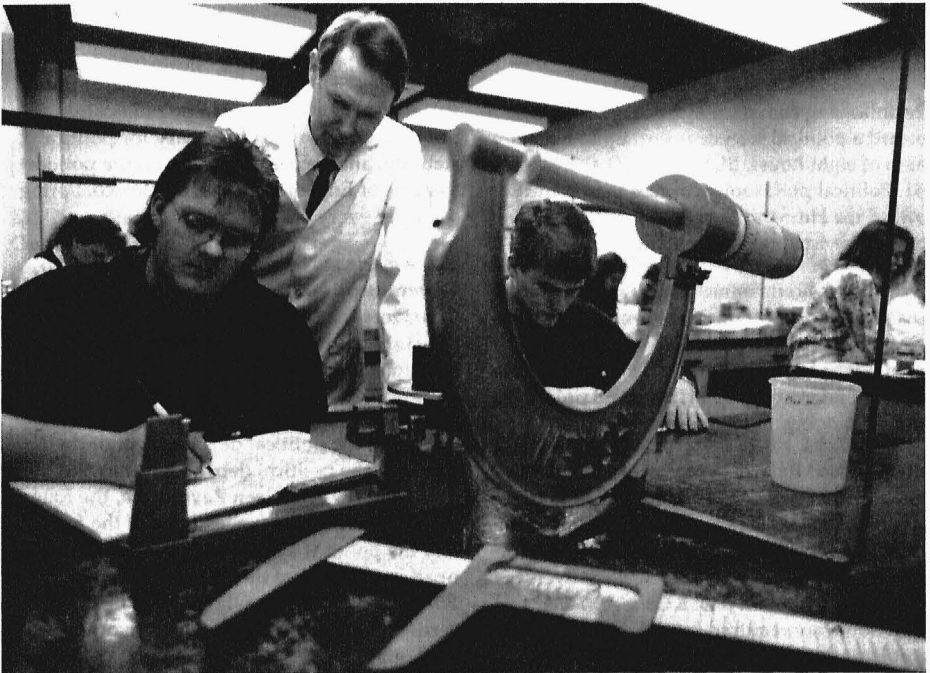
angular displacement. Includes introduction to data acquisition and interfacing with micro-computers. Prerequisites: PHY 306 and consent of instructor. Three laboratory hours per week.

443-444. Mechanics: Classical and Quantum.

4 cr. hrs.

An intermediate course in classical mechanics. The course will include a critical discussion of Newton's laws of motion. The points of departure for quantum mechanics and for relativistic mechanics will be indicated. Other topics will

include conservative forces, the forced harmonic oscillator, complex number application to the solution of linear differential equations, Fourier Series applications, vector algebra, elements of vector analysis, integration and differentiation of vectors, motion under a central force, coupled harmonic oscillators, rotating coordinate system, LaGrange's equations, and introduction to tensors. Approximately nine weeks of the spring semester will be devoted to an introduction to Quantum Mechanics. 443 offered fall semester; 444 spring semester.



Political Science

Political Science

Professor Chatlos, chairman; Assistant Professors Gould, Hall; Instructor Armstrong.

The political science department offers B.A. degrees in two majors: political science and international relations. Those who select either of these as a second major in combination with a B.S. primary major may follow the requirements for the B.S. degree. A grade of C or higher is required in each course in the major.

Political Science Major: 28 semester hours, including one course from each of five of the six categories besides introductory courses and internships.

POL 101, Principles of Government and Politics, and/or POL 102, American National Government, while not absolute prerequisites for other courses, are customarily taken in the freshman year prior to advanced study. Most courses have no firm prerequisite, but the recommended background is indicated.

The following courses may be taken for credit toward a political science major, up to a maximum of eight hours: BUS 301, ECO 418, SOC 351. Political philosophy courses may count toward the Humanities requirement, as well as toward the writing requirement.

Certain four-hour courses may be divided into parts meeting a portion of the semester for one or two hours credit. Such divisions are indicated by the letters *A, B, etc.* A senior comprehensive oral examination is required unless the student is doing an Honors Project.

International Relations Major: An interdisciplinary major designed to acquaint students with basic elements of economic, political, and social relationships among nations. This major is strongly supported by the excellent overseas programs of William Jewell College. Twenty-eight hours are required for the major, as well as at least three semesters of a single foreign language (or proficiency at that level). A semester or year in an overseas study program is also strongly recommended.

Required courses are Political Science 322, International Politics and Organization; Economics 404, Introduction to International

Economics; and Political Science 452, Senior Seminar.

Remaining courses for the major may be selected from the following, or from similar courses judged appropriate by an international relations program committee: COM 380. GEO 304. HIS 224, 226, 228, 317, 318. POL 313, 314, 321, 331, 334. REL 271. SOC 334-335. Courses taken at campuses abroad will often be suitable for this major, at the discretion of the international relations program committee.

INTRODUCTORY COURSES

101. Principles of Government and Politics. 4 cr. hrs.

A. Intro to Political Theory. Examines the nature of politics; considers the meaning of such terms as *liberty, equality, justice, power*; and overviews the major Western political philosophies and ideologies, including liberalism, conservatism, Marxism, and fascism. Fall semester every year. (2 cr. hrs.)

B. Intro to Comparative Politics. Looks at the variety of ways nations can be politically ordered, the elements necessary for political stability, and focuses attention on the political systems of England, Russia, or Mexico. Spring semester every year. (2 cr. hrs.)

102. American National Government. 4 cr. hrs.

Considers the U.S. Constitution, governmental structure, and how the American government functions today. Fall semester, every year.

107. The Founding of the Republic. 2 cr. hrs. Examines the political development of the colonies, the political debates prior to and following the American Revolution, the founding documents, the expectations of the framers, and the political system which initially developed in the form of the American Constitution. For education majors who need to meet state certification requirements. Open to other students.

AMERICAN POLITICS

201. Congress and the Presidency. 4 cr. hrs. Examines Congress dynamically in terms of participant roles, committee systems, party influence and leadership, legislative functions

Political Science

and representative democracy, legislative-executive relations, and current efforts at reform. Second half of the course will cover the development of the modern presidency from 1789 to the present day. Topics include presidential leadership, power, and influence in relationships with Congress, courts, parties, bureaucracy, and the public in the formulation and administration of domestic and foreign policy; nominations, campaigns, and elections. Prerequisites: None.

214. Introductory Seminar. 4 cr. hrs.

This course will provide a stimulating opportunity for a select group of students to consider a topic related to American politics. Examples follow: political ethics, the Supreme Court, congressional-presidential relationships.

232. Politics, Parties and Interest Groups. 4 cr. hrs.

A study of the development of the American party system, party organization, the electoral process, and the role of parties and interest groups in the formation of public policy. Stresses three models: popular government, pluralism, elitism. Recommended background: POL 102.

233. American Democracy and Campaign Technology. 4 cr. hrs.

A study of trends in political campaign techniques and their impact on American democracy as political parties decline. Identifying the actors on the political scene—personal organizations, interest groups, Political Action Committees, campaign consultants; and techniques employed in planning and carrying out a campaign—feasibility study, campaign organization, finance, polling, targeting, voter contact, control mechanisms. Also examines government regulation of campaigns, as well as the options open to both low and high budget efforts in both candidate and issue campaigns. Recommended background: POL 102.

308. Political Communication. 4 cr. hrs.

Course is designed to discuss the major components of political communication in American politics. Main areas of study include campaign advertising and the development of sound-bite politics, the impact of speeches and debates, information campaigns, the relation-

ship of congress, interest groups and the mass media to policy-making. The influence of the print and broadcast journalists and media will also be addressed. Lecture, discussion, and major research paper. Prerequisite: POL 102. Suggested: One political science course at the 200 level.

POLITICAL PHILOSOPHY

211. American Political Thought. 4 cr. hrs.

Focuses on the development of American political thought from its European roots. Special attention is given to the construction and changing meaning of the Constitution, and to a critical examination of contemporary American political thought. Also considers the American policy today.

313. Classical and Medieval Political Thought. 4 cr. hrs.

Plato, Aristotle, the Romans, Augustine, and Aquinas. Traces the development of classical political thought in Greece, explores the changes made by the Romans, and subsequent decline, and the various modifications proposed by Augustine, Aquinas, and other medieval thinkers. Recommended background: POL 101A.

314. Modern Political Thought. 4 cr. hrs.

Machiavelli, Calvin, Hobbes, Locke, Burke, Marx, and Nietzsche. Explores the characteristics of modern political thought, compares and contrasts its different representatives, and considers critically the importance these representatives have had in shaping modern political life. Recommended background: POL 101A.

AMERICAN CONSTITUTIONAL LAW

221. The American Constitution. 4 cr. hrs.

A. Constitutional Structure. Role of the judiciary in the evolution of constitutional government in the United States. Roots of the Common Law; powers of the President, Congress, and the Courts; federalism.

B. Property Rights. Rise and fall of emphasis on property rights as reflected in judicial attitudes and interpretation of the contract, commerce, due process, and other important clauses of the Constitution. Recommended background: POL 102.

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222. Civil Rights and Liberties. 4 cr. hrs.
Focus on the following issues: *Equality*. The 14th Amendment and "nationalization" of the Bill of Rights, equal protection and segregation, reapportionment, housing, and voting rights. *First Amendment*. Freedom of speech, press, religion, assembly, petition, and association. *Rights in criminal proceedings*. Study of leading justices, cases, and judicial doctrines.

COMPARATIVE POLITICS

321. Seminar in Comparative Politics. 4 cr. hrs.
A consideration of one or several governmental systems in various world regions or a basic problem confronted by different states. Among the regions which may be treated are Western Europe, Latin America, or Eurasia, the Middle East, and Africa. The seminar will deliberately select some governmental systems in those regions, rather than try to cover them all. Fall semester, every year. POL 101B recommended.

331. Comparative Politics II: Russia and Eastern Europe. 4 cr. hrs.
A. Roots of Russian Civilization. Imperial Russia; classical Marxism; international socialism before 1917; the Revolution; the formation, operation and collapse of the USSR (first 7 weeks; 2 cr. hrs.).

B. Contemporary Pluralism in Russia and Eastern Europe. The development and operation of political institutions in contemporary Russia. Consideration of political systems in several other Eastern European states (second 7 weeks; 2 cr. hrs.). Recommended background: POL 101.

INTERNATIONAL POLITICS

322. International Politics and Organization. 4 cr. hrs.
Fundamentals of international relations; nature of power politics; dynamics of state existence; balance of power; international morality; international law; regionalism; international organization; idea of a world state; diplomacy; the search for peace and security. Recommended background: POL 101. Fall semester, every year.

334. U.S. Foreign and Defense Policy. 4 cr. hrs.
A study of the evolution of U.S. foreign and defense policy from our country's infancy to the present. Examines the history that led to superpower status, superpower policy, and the evolution of defense doctrine.

PUBLIC ADMINISTRATION

301. Introduction to Public Administration. 4 cr. hrs.
Examines the public administrative process, the nature of bureaucracy, and the job of the public manager. Leadership, decision making and organization models are also studied. Certain functional areas are explored such as public personnel management, budgeting and accounting, and government regulation.

302. Public Policy Analysis. 4 cr. hrs.
Examines various alternative approaches to decision making and the role of agency clientele as well as the relationship of policy development to administration. In-depth treatment is given to one or more substantive areas, such as energy, the environment, health care, transportation, etc.

DIRECTED READINGS, SEMINARS, INTERNSHIPS, INDEPENDENT STUDY

431, 432. Research Seminar. 1-4 cr. hrs.
Individual or group research on selected topics, determined by student interests. Results of research and reading to be presented orally, or in the form of a short thesis, or both. Personal conferences and/or periodic group meetings. It is possible by special arrangement to pursue a single research topic through two semesters.

Sample activities, besides standard research papers, include introduction to legal research, in conjunction with or subsequent to POL 221-222; public opinion surveys, involving use of computerized data. Prerequisite: 12 hours of political science and/or consent of instructor. Hours to be arranged.

452. Senior Seminar in International Relations. 4 cr. hrs.
A seminar for international relations majors which provides for research and discussion on selected topics of international importance. Political Science majors may be admitted with consent of instructor.

Political Science

472. Political Science Internship. 4-6 cr. hrs. An internship in the political arena at the federal, state or local level. This experience could be with a congressman or senator at the national level or with a state legislator, a state legislative committee, an interest group or a 'third sector' (private, nonprofit) organization. It could be work in a political campaign. Internships will usually be taken during the summer between the junior and senior years, although they may be taken any time after the sophomore year. Prerequisites: statistics and some computer science helpful. Offered on demand.

Washington Semester Program: Students take course work and an internship through the Washington Semester Program, offered in cooperation with the American University in Washington, D.C. See department chairman for particulars.

United Nations Semester of Drew University is available to students. See department chairman for particulars.



Psychology

Psychology

Associate Professor Owens, chairman; Professor Troutwine; Associate Professor Schoenrade.

Basic Psychology (PSY 211) is a prerequisite for all other courses in the department.

The psychology department offers a wide variety of traditional psychology courses. The curriculum spans the ancient philosophical origins of psychology to the classical theories and applications of today.

The primary mission of this curriculum is to enhance the students' knowledge of the understanding, prediction and control of human behavior. Individual courses are structured so that each relates its unique material to this mission.

Introductory courses lay the groundwork for an understanding and overview of psychology's major areas. Higher numbered courses typically delve into one or two key areas introduced in the entry course. The Senior Seminar, a capstone course, returns to a unified and integrated perspective.

A significant number of the majors continue their education in graduate school, working for a master's or doctorate. To this end, the department strives to prepare majors for the rigors of graduate study.

The psychology curriculum strives to balance theoretical and practical dimensions by providing the opportunity for field experiences through Independent Studies.

The psychology major requires a minimum of 32 hours of course work, 24 of which comprise the "curricular core." Students may personalize the major by selecting eight or more hours of course work from any of the elective courses. A maximum of 40 hours of psychology courses may be applied toward degree requirements. A grade of C or higher is required in each course in the major.

Psychology as a major is a bachelor of arts degree program.

Students who earn a B.S. degree in conjunction with their first major may earn a second major

in psychology by fulfilling the General Education requirements for the B.S. degree and all departmental requirements.

CURRICULAR CORE (Every major must take these classes.)

Psychology 211. Basic Psychology (normally taken freshman or sophomore year).

Psychology 317. Personality (normally taken spring semester junior year). Prerequisites: Psychology 211, Basic Psychology.

Psychology 320. Experimental Psychology I (normally taken fall semester of junior year). Prerequisites: Psychology 211, Basic Psychology.

Psychology 321. Experimental Psychology II (normally taken spring semester of junior year). Prerequisites: Psychology 211, Basic Psychology; Psychology 320, Experimental Psychology I.

Psychology 322. History and Systems (normally taken fall semester senior year). Prerequisites: Psychology 211, Basic Psychology; Psychology 320 and 321, Experimental Psychology I and II; Psychology 317, Personality.

Psychology 422. Senior Seminar (taken spring semester of senior year). Prerequisites: Psychology 211, Basic Psychology; Psychology 320 and 321, Experimental Psychology I and II; Psychology 317, Personality; Psychology 322, History and Systems.

211. Basic Psychology. 4 cr. hrs.
An introduction to the major areas of the field, psychology is viewed as a biosocial science of behavior, and emphasis is placed on the scientific basis of our current understanding of behavior. Prerequisite to all other courses in the department.

214. Personal Adjustment. 2 cr. hrs.
The intent of the course is to gain a greater understanding of challenges and threats to our effective functioning. The course explores options to manage and respond to these challenges without losing a sense of self-worth and personal control. (Meets seven weeks.)

303. Abnormal Psychology. 4 cr. hrs.

A descriptive and explanatory study of the major behavior and personality disorders of both childhood and adulthood, including psychogenic, psychosomatic, and organic problems. Consideration will be given to DSM diagnostic methods and therapeutic procedures. Fall semester.

304. Social Psychology. 4 cr. hrs.

A study of the influence of other people and of society collectively on selected aspects of an individual's behavior and personality, with special attention to the dynamics of group behavior. Spring semester. Also listed as SOC 304.

306. Developmental Psychology:

Childhood and Adolescence. 2 or 4 cr. hrs. Childhood and adolescence are studied to understand how and why people change over time. Childhood typically spans from conception to age 12. The second half of the semester is devoted to adolescence. A broad-based approach is taken in order to understand development. Issues include the biological, social and behavioral influences on development. Either childhood or adolescence may be studied for one-half the semester for two hours credit. (A student may not earn credit for both 306 and 307.)

307. Life Span Developmental Psychology.

4 cr. hrs.

A broad-based approach is taken in order to understand human development across the life span, from conception to death. Issues of study will include biological, social, and behavioral influences on development. A scientific approach is used to emphasize that our past can affect our future. (A student may not earn credit for both 306 and 307.)

308-309. Independent Studies. (Junior and below.)

1-4 cr. hrs.

312. Physiological Psychology. 4 cr. hrs.

A study of the biological foundations of behavior: the neural and glandular structures and functions, the sensory and motor equipment, and their significance for a psychological understanding of behavior. Psychopharmacology is discussed as it relates to drug effects on the neuron. In the laboratory, emphasis is

placed upon the brain and the autonomic nervous system in their relationship to behavior. Research and laboratory techniques are introduced. Laboratory. Offered upon demand.

317. Personality.

4 cr. hrs.

The course investigates major contemporary theories of personality and its formation. Different viewpoints about the nature and functioning of personality are compared and evaluated. The concept of personality is related to such major issues concerning the nature of man as determinism vs. free will, rationality, hedonism and unconscious mechanisms. Spring semester.

318. Tests and Measurements.

4 cr. hrs.

A survey of the major principles, concepts and instruments employed in psychological evaluation, diagnosis and counseling, with special attention to reliability, validity, and construction of tests, and interpretation of results. Spring semester, odd numbered years, based on demand and enrollment.

319. Introduction to the Principles of Behavior Modification.

2 cr. hrs.

An introduction to theory, research and practice in behavior modification. It is intended that this course will function not only to familiarize the student with the field, but that it will assist in further reading and research. While the emphasis is "academic," the clinical and applied considerations will be an integral part of the course. Offered upon demand.

320. Experimental Psychology. 1-4 cr. hrs.

An introduction to the experimental methods and procedures used in psychological research. Students participate in experiments, collecting data, analyzing data and writing results in APA style. Lecture and laboratory. Required of majors. Normally taken fall semester of junior year.

321. Experimental Psychology II. 4 cr. hrs.

In-depth treatment of hypothesis testing, research design, data analysis, and sampling. Emphasis on application of scientific reasoning. Students conduct an empirical study from design through data collection, analysis, and reporting. Required of majors. Normally taken spring semester of junior year. Special prerequisite: PSY 320.

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322. History and Systems. 4 cr. hrs.
The rise and growth of modern psychology in its contemporary expressions. Attention is given to origins, major developments, and present trends in psychological thought. Required of majors. Normally taken fall semester senior year. Special prerequisites: Psychology 320 and 321, Experimental Psychology I and II; PSY 317, Personality.

400. Clinical Psychology. 4 cr. hrs.
Exploration of clinical psychology as a profession with inquiry into professional relationships and organizations. Emphasis is also placed upon clinical diagnosis and treatment of behavioral disorders. Spring semester. Special prerequisite: PSY 211 and two other psychology courses or permission of instructor.

408-409. Independent Projects for Seniors. 1-4 cr. hrs.

411. Contemporary Issues in Psychology. 2 or 4 cr. hrs.
This course is designed as a seminar approach for current topics of importance to psychologists. The content of the course is determined by student interests and areas of expertise of the faculty. Typically, students prepare cases or papers, and review current readings and books relevant to the course. Two credit hour classes run half the semester, four credit hour courses last the entire semester. Offerings are based on student demand and faculty availability.

421. Seminar. 1-4 cr. hrs.
Topics to be announced, prior to registration, in special interest areas not justifying a regularly scheduled course. Enrollment by permission of department only.

422. Senior Seminar. 4 cr. hrs.
This class is designed to be an integrative experience for the entire curriculum. Topics which are examined enable the student to see connecting links among the various areas of psychological study. The course also uses an interdisciplinary approach to reveal the relationship of psychology to other academic disciplines. Required of all majors. Taken spring semester of senior year. Special prerequisites: Psychology 320 and 321, Experimental Psychology I and II; PSY 317, Personality; PSY 322, History and Systems.

Religion

Professor Chance, chairman; Professor Duke; Associate Professor Horne; Assistant Professors Cain, Lamkin.

W.D. JOHNSON DEPARTMENT OF RELIGION

One of the following numbered courses will fulfill the college requirement in religion: 110, 111, 117. Courses numbered 235 and above may be elected as partial fulfillment of the Humanities General Education requirement for graduation (except 341). Juniors and seniors must take a 200 or above numbered course and may not take a 100 numbered course without special permission of the department chair unless the course is taken specifically to fulfill the college requirement in religion.

The religion department offers a bachelor of arts degree.

A major in religion requires 32 hours other than the course taken to meet the general college requirement. The major in Religion has been designed to achieve four basic goals. The student who majors in Religion should:

1. come to understand religion as a significant part of the human experience, manifesting itself in varieties of beliefs, practices, traditions, and texts;
2. develop a careful, critical sensitivity to and understanding of non-Christian religious traditions, beliefs, and practices;
3. gain a working knowledge of the development, variety, and cultural contexts of Christian thought and practice;
4. learn to read and interpret the Bible from historical, literary, and theological perspectives.

In order to realize these goals, Religion majors will take a sequence of courses which are grouped into three levels: foundational, intermediate, and advanced. Normally, students may not take courses in a higher level until they have completed courses in the previous level. Exceptions are noted in the following course descriptions. During the senior year,

students will complete a senior project as part of one advanced course. This capstone experience will be completed by a satisfactory oral presentation of the project to the Religion faculty and Religion majors.

Students who major in Religion may choose one of two tracks: Biblical-Historical Studies or Comparative Religion Studies. The following courses are required for each track, including courses which may be counted as part of general education requirements. The general education courses do not count toward the 32 hours required for the Religion major. A grade of C or higher is required in each course in the major. For a second major, one must complete all requirements for the B.A. degree.

BIBLICAL-HISTORICAL STUDIES

Foundational courses:

REL 110, 111, HIS 101 (gen. ed.) or Foundations (gen. ed.)

Intermediate courses:

REL 235, 241, 272

Advanced courses:

REL 305, 306, 362, 363

The capstone research project is taken in conjunction with REL 362 or 363.

COMPARATIVE RELIGION STUDIES

Foundational courses:

REL 110, 111, one cross-disciplinary course for gen. ed.: Foundations program, SOC 324, ENG 255 (Third World Literature), PHI 301, HIS 224 and 226.

Intermediate courses:

REL 235, 271, 272

Advanced courses:

REL 305 or 306, 308, 362, 363

The capstone research project is taken in conjunction with REL 308, 362, or 363.

COURSES

110. Introduction to the Bible. 4 cr. hrs.

This course is an introductory reading of portions of the Bible selected to provide the student with a basic understanding of the

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historical, theological, and literary impulses which contributed to its origins and shape its meaning today. Every semester.

111. Scripture and the Religious Experience. 4 cr. hrs.

A cross-cultural investigation into the nature of religion and its functions within human communities. Case studies from a variety of religious traditions and cultures, beginning with Christian scripture, will be used to explore the common characteristics of religions as well as the variety of worldviews held within religious communities. Most semesters.

117. Biblical Ethics. 4 cr. hrs.

A study of the moral perspectives represented in the Bible from the Ten Commandments to the later New Testament writings. Using this focus on ethics, the course is an introduction to biblical studies. Most semesters.

235. History of Biblical Interpretation. 4 cr. hrs.

This course examines how the process of interpreting sacred traditions and texts resulted in the formation of the Bible and how down through history, the Bible has been interpreted as a religious, historical, and literary text. Prerequisite: REL 110 or 117; FND 225 corequisite with permission of instructor. Alternating years.

241. Classic Christian Traditions. 4 cr. hrs.

This course provides an introduction to the history of the Christian Church and its theology by focusing on several key events and persons. Typically, the course will examine one of the early doctrinal controversies (Christology or the Trinity), medieval Christianity's emphasis on order, the shifts emerging with the Protestant Reformation, and Christianity's response to one major development in the modern world (e.g. science, the industrial revolution, mass communication). Prerequisite: REL 110, 111 for majors; REL 110, 111, or 117 for non-majors. Fall semesters.

271. Religions of Asia, Africa, and Native America. 4 cr. hrs.

Typically the course will devote half the semester to the study of Hinduism and Buddhism and the other half to the study of Confucianism, Taoism, Shintoism, and representative tribal religions of Africa and the

Americas. Our study will assist in the understanding of each religion as a way of life by looking at such things as rituals, customs, music, and art as well as the belief system. Prerequisite: REL 111 for majors; REL gen. ed. for non-majors. Fall semesters.

272. Judaism, Christianity, and Islam. 4 cr. hrs.

This course will examine separately the historical development of Judaism, Christianity, and Islam and then move to historical and contemporary comparisons among these three great monotheistic religions. Our study will examine the divergent ways in which each of the three developed, in different cultural and historical contexts, noting also the occasions when a cross-fertilization occurred among these religions. Visits to representative places of worship will be part of the learning experience. Prerequisite: REL 110 or 117, and 111 for majors; REL gen. ed. for non-majors. Alternating years.

305. New Testament Interpretation. 4 cr. hrs.

- 305A. Luke-Acts.
- 305B. John.
- 305C. I Corinthians.
- 305D. Mark.
- 305E. Revelation.

A close reading of a selected New Testament text or closely related set of texts. Attention will be given to the skills necessary to read an ancient text in a holistic manner and to apply its message to the contemporary situation. Prerequisite: 100-200 level REL requirements for majors; for non-majors, REL 110 or 117 and permission of the instructor.

306. Old Testament Interpretation. 4 cr. hrs.

- 306WA. Pentateuch.
- 306WB. Prophets of the Eighth Century BCE.
- 306WC. Wisdom Literature.

This course offers the student a close reading of selected texts within the Hebrew Scriptures (Old Testament). Though the course will be driven by a systematic reading of biblical materials, we will also integrate a study of various critical approaches to the interpretation of these texts. Prerequisites: 100-200 level REL requirements for majors; for non-majors, REL 110 or 117 and permission of the instructor. Alternating years.

308. Religion and Contemporary Issues. 4 (2/2) cr. hrs.

308A. The Holocaust, Christianity, and Judaism. 2 cr. hrs.

308B. Religious Responses to a Current Issue. 2 cr. hrs.

308A: Using the event known as the "Holocaust," the course will examine the historical and religious roots of antisemitism, the nature of moral responsibility as defined by Christianity and Judaism, and the historical events leading up to and surrounding the Holocaust. The study provides an excellent study for understanding the significance of shared religious histories and the value of interreligious dialogue.

308B: Often religions help to create problems as well as solve them. This half of the course will examine one issue in-depth by considering various responses to the selected topic. The issue will be one of the following: the environmental crisis, war, racism, sexism, the problem of evil, death and dying, or human sexuality.

Prerequisite: 100-200 level requirements for majors; for non-majors, REL gen. ed. requirement and permission of the instructor. *May serve as capstone course for Comparative Religious Studies track majors.*

325. History of the Baptists. 2 cr. hrs.

A study of Baptist history noting particularly the development in England and America. Doctrine, polity, organization and denominational crises will be studied. Prerequisite: ENG 100. Recommended that the student already have taken either a beginning history course (101 or 102) or a beginning religion course (100 level). On demand. Also listed as HIS 325.

341. Christianity in Non-Western Cultures. 2 cr. hrs.

Introduction to the origins and development of Christianity in cultures outside Europe and North America, usually focusing on one or two areas of the world, e.g., East Asia, Central America, West Africa, the Middle East. Usually taught by the missionary-in-residence. Not for Humanities credit.

344. The Church and Its Hymnody. 4 cr. hrs. See course description for Music 344.

362. Archaeology of Ancient Religions. 4 cr. hrs.

This course is an investigation of the role which the science of archaeology has played in our understanding of ancient religions of the world. The student will see how the reconstruction of the material cultures of antiquity can provide a basis for comparative religious studies. Prerequisite: 100-200 level courses. *May serve as capstone course.* Alternating years.

363. Comparative Literature and Religion in the Greco-Roman World. 4 cr. hrs.

An examination of selected religions, philosophies, and literature which influenced and shaped the Greco-Roman world. Religious and philosophical movements such as rabbinism, gnosticism, and Stoicism will be explored in some depth with some attention to their relationship to emerging Christianity. Fictional literature (Jewish, Christian, and Greco-Roman), which offered a popular medium through which to share one's view of the world, will be examined as well. Prerequisite: 100-200 level courses. *May serve as capstone course.* Alternating years.

455. Independent Studies. 1-4 cr. hrs.

Independent studies in a selected area according to the interest and ability of the student. May be accomplished in an off-campus project or honors program with prior approval of the department. A formal written summary of the project findings will be submitted.

Church-Related Vocations Practicum. The college has historically maintained a strong scholarship program for students entering a church related vocation. Interested students must be nominated by their local church to receive this CRV grant. Nomination forms are available in the religion department offices or from the office of financial planning.

Students who receive the CRV scholarship are expected to be active participants in ministry while on campus and through the local church. Continuation of the scholarship is based upon successful progress toward completion of the following requirements:

1. Maintain a 2.0 overall grade point average.
2. Successfully complete one course each year from the department of religion (excluding CRV 203-205J).

Religion

3. Successfully complete the workshop dealing with ministry skills immediately prior to the beginning of the fall semester.
4. Successfully complete CRV 203 by the end of the junior year.
5. Successfully complete any two CRV electives (CRV 205A-205J) in addition to 203.
6. Church music majors may occasionally substitute Hymnody and Church Music Administration for a requirement listed above but only with the approval of the music faculty and the director of the Spurgeon Center for Christian Ministry.
7. Participate actively in Sigma Epsilon Pi, the college fraternity of ministry students.
8. Participate at least one weekend per semester on a WJC ministry team.

CRV 203. Ministry Internship. 2 cr. hrs.
This course is designed to give students practical experience in church-related vocations and provide support and encouragement for students in these ministry settings. Prerequisite: one four-hour core curriculum religion course. The course is required for all students receiving the CRV scholarship and may be repeated for a spring semester. Prerequisite: successful completion of REL 110, 111 or 117. Elective credit only.

CRV 204. Campus Ministry Internship. 1/2 cr. hr.
This course is designed to give students practical experience in ministry to their peers within a structure of support and teaching in the field of pastoral care. Prerequisite: permission of the instructor. May be repeated one time. Elective credit only.

CRV 205. Issues in Ministry. 1 cr. hr.
This course is designed to acquaint students with issues and skills related to ministry in the contemporary church. These issues will be studied from both practical and theoretical viewpoints.

205A: World Missions. A study of the theology and practice in the Christian world mission with emphasis on the success and failures of the Christian missionary when confronting

various world cultures and religions. Elective credit only.

205B: Missions in the U.S.A. Study of missions in the U.S. with special emphasis on the work of the Home Mission Board and the Southern Baptist Convention. Elective credit only.

205C: Evangelism. A study of the nature and practice of evangelism with attention given to the biblical, theological and historical roots of evangelism. Elective credit only.

205D: Women in Ministry. A study of the biblical and contemporary viewpoints concerning the roles of women in the church. Elective credit only.

205E: Bivocational Ministries. A study of the problems and opportunities unique to ministers who carry professional responsibilities outside their parish program. Elective credit only.

205F: Church Administration. A study of the management principles, styles, and the minister's leadership roles in organizing the church for effective ministry. Elective credit only.

205G: Pastoral Care. A study of the foundations and dynamics of pastoral care in the personal and corporate crises faced by individual members of society. Elective credit only.

205H: Education and Youth Ministries. A study of the educational tasks and patterns of organization in contemporary churches with special emphasis on the religious thinking and development theories for youth leaders. Elective credit only.

205J: Preaching and Worship Leadership. Since worship and proclamation are hallmarks of the Christian faith, this course is provided to acquaint students with the skills necessary for effective leadership in these areas. Public prayer, scripture reading, devotions and sermons will be covered. Organizing and implementing worship experiences will be highlighted with opportunities provided for practical implementations of skills learned. Elective credit only. Prerequisites: beginning religion course (110, 111, 117) and COM 100.



Service/Learning

Service/Learning

Service/Learning at William Jewell College is a certificate program designed to encourage students to meet the needs of the world through structured engagement with those persons who are in need and the institutions commissioned to meet those needs.

To earn the S/L certificate, students will complete the three courses listed below, plus a series of courses taken from the general curriculum of the college. Currently the college chaplain serves as acting director of the program and can supply detailed information to interested students.

Service/Learning credits apply as elective credits to degree requirements. Students not enrolled in the certificate programs may take SVL 101 and/or SVL 102 as electives.

101. Human Need and Suffering. 2 cr. hrs.
This course examines the human need for sustaining healthful, joyful, and creative living. It seeks to explore what human beings need to enjoy active and meaningful lives in community. It analyzes social, economic, and political forces which generate and maintain human suffering. Special attention is given to the rationale for and the importance of community-based service.

102. Resources for Meeting Human Needs. 2 cr. hrs.

This course examines and explores resources and methods for meeting the needs of human beings experiencing heightened need and suffering. Particular attention is given to leaders who engage human need on the family level through community-based organizations. Prerequisite: SVL 101.

103. Service Learning Internship. 2 cr. hrs.
In the Service Learning Internship, students are given opportunity to engage the people, the problems and the institutions of our world in a redemptive fashion. Participants will work a minimum of 80 clock hours directly with the suffering of the world in an effort to alleviate their immediate crises and bring hope to their futures. Prerequisites: SVL 101 and SVL 102, plus permission of the instructor.

Sociology

*Associate Professor Jacobs, chairperson;
Professor Chasteen.*

The sociology major (B.A.): A minimum of 28 semester hours is required for the major. A maximum of 40 semester hours is allowed. A grade of C or better is required in all courses counting toward the major.

Required core courses: SOC 211, MAT 216, SOC 351, 412, 413.

Required specialization: In addition, students must complete at least three credit hours in an area of specialization, and take SOC 429 and/or 430. The area of specialization may be selected from departmental offerings (see SOC 212, 270, 304, 323, 324, 326, 334/335, 339/340); from the offerings of some other department of William Jewell; or self-designed through independent study. The area of specialization must be approved by the sociology faculty.

Required service-learning: Students are required to fulfill a service-learning commitment, which involves at least twenty hours of work in a service project or internship, in conjunction with SOC 471 and/or 472.

Double majors: Students who select sociology as a second major in combination with a B.S. primary major may follow the requirements for the B.S. degree. Double majors may substitute PSY 320 for SOC 351; BUS 318 for MAT 216.

211. Introduction to Sociology. 4 cr. hrs.
An introduction to the field of sociology; sociology is concerned to understand how society is structured, how it changes, how human beings generate culture, and how human beings, in turn, are shaped by culture as they interact in various contexts of everyday life. The course examines the sociological perspective—how it manifests itself through different theoretical perspectives, how it has developed from its origins in the Enlightenment, and how it guides research.

212. Human Sexuality. 2 cr. hrs.
See course description for NUR 212.

218. Social Work. 2 cr. hrs.
A survey of the nature and philosophy of social work, its historical background, and general theory of social work and its application to individual and community problems. Designed to acquaint the student with the social work profession and its function in modern society. Offered on demand.

270. The Sociology of Sport and Leisure. 2 cr. hrs.
A study of sport sociologically, especially in relation to social organization, culture, socialization, deviance, group enrichment, minority groups, demography and the mass media. Offered on demand. Also listed as PED 270.

301-302. Seminar. 1-4 cr. hrs.
Special interest areas not included in the regular sociology offerings. To be announced.

304. Social Psychology. 4 cr. hrs.
See course description for Psychology 304.

323. Law and Society. 4 cr. hrs.
A course in the sociology of law and crime; includes study of theories of law and crime, the creation of law, types of law and crime, the relation of law to different types of society, the relation of law to social control, and the practice of law and law enforcement. Prerequisites: SOC 211 and sophomore standing or consent of the instructor. Alternate years.

324. Social Scientific Study of Religion. 2-4 cr. hrs.
This course is an introduction to the study of religion from the perspectives of the human sciences. The emphasis is on anthropological, sociological, and psychological studies of religion. Other perspectives will sometimes be included. Prerequisites: SOC 211 or REL 271. Offered on demand.

326. Marriage and the Family. 4 cr. hrs.
A cross-cultural study of family structure and functions; significant social characteristics of the American family; changing family roles; family organization, disorganization and reorganization. Prerequisites: sophomore standing or consent of instructor. Alternate years.

Sociology

334. Cultural Anthropology I:

**Tribal Wisdom and the Modern World,
Part One.** 2 cr. hrs.

Pockets of people around the world live their lives in ways far different from those who live in the industrial western nations. This course examines what it is that we have to learn from tribal peoples. The changing perspectives and theories of anthropology will be examined. Spring semester.

335. Cultural Anthropology II:

**Tribal Wisdom and the Modern World,
Part Two.** 2 cr. hrs.

Reading other theorists and studying different tribal people, this course further examines the contributions tribal peoples might make to our modern understanding of family, religion, community, and the purpose we all seek. Spring semester.

339. Race and Ethnic Relations I:

Sociology and the Race Problem 2 cr. hrs.

Scientific racism has lost credence. Social science now addresses the problem of race. Only among sociologists has the study of race relations become a full-bodied specialty. This course examines the sociological approach to race. Fall semester.

340. Race and Ethnic Relations II:

Race: The American Experience 2 cr. hrs.

As the world's first and only universal nation, America endures political, economic, religious, and cultural tensions. The American character reflects the diverse people who make up the nation. The resulting frictions and frustrations may do us in or they may be our long term salvation. This course explores these issues and possibilities. Fall semester.

351. Methods of Social Research. 4 cr. hrs.

Required of all sociology majors, open to other interested students. Topics include: theory of scientific research; research design; survey research techniques—sampling, instrument design, pretesting, interviewing, ethics; data manipulation, data processing, statistical techniques for data analysis, data display; report writing and critique. Prerequisites: 12 hours in Social Sciences (including SOC 211). MAT 216 (statistics) is strongly recommended. Fall semester.

412. Social Theory I.

4 cr. hrs.

An historical and analytical study of modern social theory from the Enlightenment to World War I; includes concentrated study of the thought of Karl Marx, Max Weber, and Emile Durkheim. Prerequisites: SOC 211 and junior standing or consent of the instructor. Fall semester.

413. Social Theory II.

4 cr. hrs.

An historical and analytical study of twentieth-century developments in social theory since World War I; includes consideration of macro- and micro-theoretical perspectives, as well as concentrated study of selected theorists such as George Herbert Mead, C. Wright Mills, Peter Berger, Erving Goffman, Michel Foucault, Juergen Habermas, and others. Prerequisites: SOC 211 and junior standing or consent of the instructor. Spring semester.

427-428. Readings in Sociology. 1-4 cr. hrs.

Independent study allowing students to pursue intensive study of some aspect of social reality, a subdiscipline of sociology, or specific sociological problems. Prerequisites: senior standing and consent of instructor.

429-430. Senior Seminar.

2-4 cr. hrs.

In the senior seminar, students will complete their specialization with a formal paper. Intensive discussion with other students and faculty. Prerequisite: senior standing or consent of sociology faculty.

471-472. Applied Sociology:

Service-Learning.

2-8 cr. hrs.

Students are required to complete a service-learning commitment, which will include a minimum of twenty hours of work in a service project or an internship with a public or private agency, and a formal paper on the service-learning experience.

The student assumes responsibility for acquiring and fulfilling a project or a part- to full-time work experience with an organization involved in human service, under the direction of a cooperating on-site administrator and a faculty supervisor. All projects (time, place, service experiences, credit hours) are determined on an individual basis and must have prior departmental approval.

Sociology

The student will be required to (1) keep a daily detailed journal of work experience; (2) research and read appropriate texts of theory and empirical research in the sociological area associated with the service-learning project/internship; and (3) produce a formal paper that ties theory, research, and work experience together into an integrated, reflective, and scholarly essay. In addition, the student intern must meet with the faculty supervisor weekly, unless other arrangements are made.

Formal application must be made to the department by the seventh week of the semester prior to beginning the service-learning project/internship. The service-learning project/internship may be combined with internship requirements for other majors; prior joint agreement between the departments is required and essential.





College Personnel

Faculty of Instruction, 1993-94

Date after name indicates year of first appointment.

DEPARTMENT OF ART

David Busch Johnson, 1970, *Professor of art, and chairman*. B.A., 1955, Wheaton College; B.A.E., 1960, School of Art Institute of Chicago; M.S., 1967, Illinois Institute of Technology (Institute of Design); M.F.A., 1974, University of Kansas.

Nano Nore Lueders, 1988, *Associate professor of art*. B.F.A., 1974, Kansas City Art Institute; M.A., 1976, M.F.A., 1990, Texas Woman's University; M.A.R.S., 1980, Central Baptist Theological Seminary.

DEPARTMENT OF BIOLOGY

Judith A. Dilts, 1975, *Professor of biology, and chairwoman*. A.B., 1968, M.A., 1975, Ph.D., 1976, Indiana University; further study, University of South Dakota.

Paul W. Gabrielson, 1991, *Assistant professor of biology*. B.A., 1974, Boston University; Ph.D., 1980, University of North Carolina-Chapel Hill.

Charles F.J. Newlon, 1956, *Associate professor of biology*. A.B., 1956, William Jewell College; M.A., 1962, University of Missouri-Columbia; further study, University of Missouri, University of Puerto Rico, University of Missouri-Kansas City, Kansas City Museum of Science and History, Michigan Technological University.

Gwen Elaine Scottgale, 1990, *Assistant professor of biology*. B.S., 1979, University of California-Davis; Ph.D., 1987, University of California-San Diego.

DEPARTMENT OF BUSINESS ADMINISTRATION AND ECONOMICS

Linda Bell, 1985, *Assistant professor of accounting*. B.S., 1979, Fort Hays State University; M.B.A., 1984, University of Missouri-Columbia; C.P.A., Missouri, 1983.

Vito Colapietro, 1992, *Assistant professor of business administration*. B.A., 1970, St. Michael's College; M.A., 1971, University of Connecticut.

Michael T. Cook, 1978, *John W. Boatwright Professor of economics*. B.A., 1969, M.A., 1973, University of Chicago; Ph.D., 1983, Vanderbilt University.

Kimberly H. Harris, 1986, *Assistant professor of business administration*. B.A., 1975, M.B.A., J.D., 1978, University of Kansas.

Jean Hawkins, 1976, *Professor of accounting*. B.S., 1968, M.A., 1970, Central Missouri State University; C.P.A., Missouri, 1974.

J. Eric Helsing, 1989, *A. Major and Dorothy Hull Professor of communication in business and leadership, and chairman*. B.A., 1955, Muhlenburg College; J.D., 1960, Rutgers Law School.

Elizabeth R. Hoyt, 1981, *Assistant professor of business administration*. B.S., 1975, Northwestern University; M.B.A., 1979, University of Wisconsin-Madison.

Lowell R. Jacobsen, Jr., 1981, *Associate professor of economics*. B.A., 1979, Buena Vista College; M.I.M., 1980, American Graduate School of International Management; Ph.D., 1986, University of Edinburgh; further study, Templeton College, University of Oxford; University of Maribor, Yugoslavia; The Russian School, Middlebury College; University of Edinburgh; and University of St. Andrews.

Otis E. Miller, 1978, *Professor of economics*. B.S., 1952, Ph.D., 1962, University of Missouri-Columbia.

DEPARTMENT OF CHEMISTRY

Anne C. Dema, 1993, *Assistant professor of chemistry*. B.S., 1987, Pittsburg State University; Ph.D., 1991, Vanderbilt University.

Marvin P. Dixon, 1965, *Professor of chemistry*. A.B., 1960, William Jewell College; M.S., 1963, Ph.D., 1965, University of Illinois.

Edwin H. Lane, 1980, *Professor of chemistry, and chairman*. B.S., 1972, Ph.D., 1977, University of Oklahoma; further study, University of Oklahoma.

College Personnel

DEPARTMENT OF COMMUNICATION

Richard C. Brown, 1987, *Assistant professor of communication*. A.B., 1964, William Jewell College; M.A., 1967, University of Missouri-Kansas City.

Julie Adams Day, 1989, *Assistant professor of communication*. A.B., 1985, William Jewell College; M.A., 1988, Central Missouri State University.

Kim Bradford Harris, 1979, *Professor of communication*. B.A., 1968, Carson-Newman College; M.S., 1970, Ph.D., 1975, Southern Illinois University; further study, University of Missouri-Kansas City.

Lois Anne Harris, 1979, *Professor of communication*. B.A., 1968, Carson-Newman College; M.S., 1970, Ph.D., 1974, Southern Illinois University; further study, University of Kansas.

Gina E. Lane, 1985, *Assistant professor of communication*. B.S., 1981, Northwest Missouri State University; M.A., 1982, University of Arkansas; further study, University of Kansas.

Craig A. Larson, 1990, *Instructor in communication*. B.S., 1983, Kearney (NE) State College; M.S., 1989, University of Southwestern Louisiana.

Philip A. Thompson, 1984, *Assistant professor of communication*. B.S., 1981, Northern Arizona University; M.S., 1983, University of Southwestern Louisiana; further study, University of Utah. (Leave of absence, 1992-1994).

Tom H. Willett, 1967, *Georgia B. Bowman Professor of communication, and chairman*. A.B., 1966, Colorado State College, Greeley; M.A., 1967, University of Nebraska; Ph.D., 1976, University of Missouri-Columbia; further study, University of Oxford.

DEPARTMENT OF EDUCATION

Mary Ellen Bleakley, 1977, *Professor of education and chairwoman*. B.A., 1962, University of Michigan; M.A., 1966, Ph.D., 1977, University of Colorado; further study, Oakland University, Fort Hays State University.

Peter Frost, 1991, *Visiting professor in education*. Certificate of Education, 1976, St. Osyth's College-Essex; Advanced Diploma in Education, 1981, University of London; M.Ed., 1983, University of Bath, England.

Ronilue Beery Garrison, 1980, *Assistant professor of education*. B.S., 1963, William Jewell College; M.S., 1966, University of Kansas; Ed.S., 1992, University of Missouri-Kansas City.

Cynthia A. Green, 1989, *Professor of education*. B.S., 1970, Missouri Southern State College; M.S., 1974, Pittsburg State University; M.Ed., 1986, Abilene Christian University; Ed.D., 1977, Baylor University.

Faye E. Moore, 1979, *Professor of education*. B.A., 1955, Bethany Nazarene College; Diploma, The Montessori Training School for Teachers, Lee's Summit, Missouri; M.Ed., 1973, Northeastern Illinois University; Ed.D., 1976, Northern Illinois University.

M.J. Stockton, 1972, *Frances S. Evans Professor of education and director of teacher certification*. B.A., 1962, Baylor University; M.A., 1967, Sam Houston State University; Ed.D., 1971, Baylor University; further study, Georgetown University.

DEPARTMENT OF ENGLISH

John A. Canuteson, 1974, *Professor of English*. B.A., 1964, University of Texas-Austin; M.A., 1965, University of Chicago; Ph.D., 1975, University of Florida.

D. Dean Dunham, Jr., 1961-1965, 1969, *Oxbridge professor of languages and literature, and faculty instructional aide*. B.A., 1960, Hastings College; M.A., 1962, University of Arkansas; Ph.D., 1970, University of Nebraska.

Richard L. Harriman, 1962, *Associate professor of English, and director of the Fine Arts Program*. A.B., 1953, William Jewell College; M.A., 1959, Stanford University; Litt.D., 1983, William Jewell College; further study, Stanford University, Shakespeare Institute, University of Oxford.

College Personnel

Ian Munro, 1978-79, 1981, Professor of English. B.A., 1965, University of Victoria, British Columbia, Canada; Ph.D., 1976, University of Texas-Austin.

Sarah Powers, 1983, Assistant professor of English, director of learning skills, and director of the Academic Achievement Center. A.B., 1971, William Jewell College; M.A., 1972, University of Missouri-Kansas City.

Cecelia Ann Robinson, 1979, Professor of English. B.A., 1969, Prairie View A&M University; M.Ed., 1971, Ed. Specialist, 1971, University of Missouri-Columbia; Ed.D., 1986, University of Kansas; further study, University of Missouri-Kansas City, University of Oxford, University of Missouri-Columbia.

Ann Marie Woods Shannon, 1974, Professor of English, associate dean of the college, senior tutor of Oxbridge Program and coordinator of overseas study. B.A., 1951, Agnes Scott College; A.M., 1952, Radcliffe College; Ph.D., 1961, Emory University.

Jimmie E. Tanner, 1980, Professor of literature, dean of the college and provost, and interim president. B.A., 1955, Oklahoma Baptist University; M.A., 1957, Ph.D., 1964, University of Oklahoma.

Myra Cozad Unger, 1961, Professor of English. A.B., 1960, William Jewell College; M.A., 1963, Washington University; Ed.D., 1985, University of Kansas; further study, University of Oxford.

Mark Walters, 1991, Assistant professor of English. B.A., 1982, Fort Hays State University; M.A., 1985, M.F.A., 1986, Wichita State University; Ph.D., 1991, University of Kansas.

Michael E. Williams, 1987, Associate professor of English, and chairman, and coordinator of Foundations program. B.A., 1977, University of Northern Colorado-Greeley; M.A., 1979, Ph.D., 1982, University of Colorado-Boulder; further study, University of London.

DEPARTMENT OF HISTORY

Kenneth B. Chatlos, 1973, Oxbridge professor of history, and chairman. B.A., 1969, University of North Dakota; M.A., 1971, Ph.D., 1976, University of Nebraska-Lincoln; further study, University of Oxford; NEH Summer Seminars: University of Indiana; Yale University; University of California-Berkeley; Vanderbilt University.

Elaine A. Reynolds, 1986, Assistant professor of history. B.A., 1979, State University of New York-Buffalo; M.A., 1982, Ph.D., 1991, Cornell University; further study, Exeter College, University of Oxford.

Fredrick M. Spletstoser, 1985, Associate professor of history. B.A., 1969, B.A., M.A., 1971, University of Missouri-Kansas City; Ph.D., 1978, Louisiana State University.

DEPARTMENT OF LANGUAGES

Marc Cadd, 1991, Assistant professor of German. B.A., 1984, University of Missouri-Columbia; M.A., 1987, University of Houston-University Park; Ph.D., 1991, University of Illinois at Urbana-Champaign.

William A. Henning, 1989, Professor of French, and chairman. A.B., 1955, Wheaton College; M.A., 1961, Ph.D., 1964, Indiana University; further study, University of Paris; École Internationale de Français, Université de Québec à Trois Rivières.

Antonio Vera, 1978, Professor of modern languages. B.A., 1969, M.A., 1971, Ph.D., 1983, University of Missouri-Columbia; further study, St. Louis University.

Catherine Vera, 1974, Professor of modern languages. B.A., 1966, University of Missouri-Kansas City; M.A., 1969, Ph.D., 1974, University of Missouri-Columbia; further study, Dartmouth College; Andrew W. Mellon Senior Faculty Fellow, University of Kansas, 1983.

John Westlie, 1985, Professor of French. B.A., 1970, New College; M.A., 1974, University of Minnesota; Ph.D., 1981, Yale University.

College Personnel

LIBRARY FACULTY

Kenette J. Harder, 1984, *Assistant professor and reference and government documents librarian.* A.B., 1977, William Jewell College; M.L.S., 1978, Texas Woman's University.

Bonnie Knauss, 1969, *Assistant professor and librarian.* A.B., 1968, William Jewell College; M.A.L.S., 1969, University of Missouri-Columbia.

Elise R. Fisher, 1988, *Assistant professor and circulation librarian.* B.A., 1975, William Jewell College; M.L.I.S., 1988, University of Missouri-Columbia.

Katherine Mitchell, 1992, *Catalog librarian and instructor.* B.A., 1987, Earlham College; M.L.S., 1992, Indiana University.

John P. Young, 1967, *Assistant professor and director of the library.* A.B., 1964, William Jewell College; M.A.L.S., 1967, University of Denver; M.P.A., 1974, University of Missouri-Kansas City.

DEPARTMENT OF MATHEMATICS AND COMPUTER STUDIES

Arthur R. Buss, 1988, *Associate professor of computer studies.* B.Mus., 1961, M.Mus., 1963, University of Michigan-Ann Arbor; M.S., 1985, University of Missouri-St. Louis; Ph.D., 1971, Michigan State University-East Lansing.

Gerald W. Eichhoefer, 1985, *Associate professor of computer studies and philosophy.* B.A., 1968, Greenville College; M.A., 1984, Ph.D., 1988, Rice University; further study, Asbury Theological Seminary, Southern Illinois University, St. Louis University, University of Houston.

Joseph Truett Mathis, 1969, *Associate professor of mathematics.* B.A., 1963, Howard Payne College; M.S., 1965, Texas Christian University; further study, University of Oklahoma.

Sherman W. Sherrick, 1968, *Assistant professor of mathematics.* B.S., 1964, Southwest Missouri State; M.S., 1968, University of Missouri-Rolla.

Darrel R. Thoman, 1962, *Professor of mathematics, and chairman.* B.A., 1960, Hastings College; M.A., 1962, University of Kansas; Ph.D., 1968, University of Missouri-Rolla; further study, University of Missouri-Kansas City.

DEPARTMENT OF MUSIC

Donald C. Brown, 1967, *Professor of music, director of church music studies, and chairman.* A.B., 1961, University of South Carolina; M.C.Mus., 1964, D.M.A., 1973, Southwestern Baptist Theological Seminary.

Helen L. Brown, 1984, *Assistant professor of music.* B.M.E., 1961, Howard College; M.C.M., 1964, Southwestern Baptist Theological Seminary; further study, University of Oklahoma.

Sandra Emig, 1977, *Professor of music.* B.Mus., 1973, M.A., 1975, Ph.D., 1978, Ohio State University; further study, Dartmouth College.

W. Arnold Epley, 1982, *Professor of music, and director of choral activities.* B.M., 1962, Howard College (Samford University); B.C.M., 1964, M.C.M., 1965, D.M.A., 1976, Southern Baptist Theological Seminary.

Penny Thompson Kruse, 1992, *Instructor in music.* B.M., 1985, Northwestern University; M.M., 1987, Yale University.

Shuhui (Nettie) Ma, 1990, *Assistant professor of music.* B.A., 1968, Shanghai Conservatory of Music; M.A., 1984, North Texas State University; Ph.D., 1989, University of North Texas.

E. Elizabeth Brabant Norris, 1992, *Assistant professor of music.* B.M., 1975, Illinois State University; M.M., 1979, Indiana University; D.M.A., 1990, University of Kansas.

Calvin C. Permenter, Jr., 1980, *Assistant professor of music.* B.M., 1976, University of Cincinnati College Conservatory of Music; M.M., 1979, Drake University; further study, American Conservatory of Music, Fontainebleau, France; Academie Ravel de Musique, St. Jean-de-Luz, France; University of Missouri-Kansas City Conservatory of Music.

Phillip C. Posey, 1965, *Professor of music, and director of instrumental activities.* B.M.E., 1959, Florida State University; M.M., 1963, Eastman School of Music of the University of Rochester, NY; D.M.A., 1974, University of Missouri-Kansas City Conservatory of Music.

College Personnel

Pauline Peck Riddle, 1972, *Professor of music, and director of keyboard studies*. B.S.Ed., 1953, Southwest Missouri State College; M.S.M., 1956, Southern Baptist Theological Seminary; D.M.E., 1972, University of Oklahoma; further study, University of Kansas.

Phillip Wendell Schaefer, 1976, *Assistant professor of music*. B.A., 1968, University of Northern Iowa; M.S., 1976, University of Illinois.

Dean Wilder, 1975, *Robert H. McKee Professor of music, and director of vocal studies*. B.A., 1963, Cascade College; M.M., 1970, New England Conservatory of Music.

Ronald K. Witzke, 1984, *Assistant professor of voice*. B.M.E., 1978, Bethany (Oklahoma) Nazarene College; M.M., 1984, University of Texas-Austin. (leave of absence, 1992-95.)

DEPARTMENT OF NURSING

Judy Ann Dahl, 1993, *Assistant professor of nursing*. B.S.N., 1989, M.S.N., 1989, Aurora University; doctoral student at Rush University, Chicago.

Ruth Bax Edwards, 1973, *Professor of nursing*. B.S.N., 1969, University of Missouri-Columbia; M.S.N., 1973, University of Texas-Austin; Ed.D., 1984, University of Kansas.

Nelda Schwinke Godfrey, 1984, *Assistant professor of nursing*. B.S.N., 1977, University of Missouri-Columbia; M.N., 1980, University of Kansas. (1993-94 part-time appointment.)

Jeanne Johnson, 1973, *Professor of nursing, and chairwoman*. B.S.N., 1956, University of Illinois; M.A., 1975, University of Missouri-Kansas City; Ed.D., 1984, University of Kansas.

Joanne Kersten, 1979, *Professor of nursing*. B.S., 1974, William Jewell College; M.N., 1979, Ed.D., 1983, University of Kansas.

A. Lorene Massa, 1983, *Assistant professor of nursing*. B.S.N., 1967, Northeast Missouri State University; M.A., 1970, University of Iowa; further study, University of Missouri-Kansas City. (Leave of absence, 1993-1994.)

Vicki L. Meek, 1993, *Assistant professor of nursing*. B.S.N., 1983, Northern Illinois University; M.S.N., 1993, University of Kansas.

Delois Meyer, 1985-88; 1989, *Assistant professor of nursing*. B.S.N., 1983, University of Nebraska; M.N., 1985, University of Kansas.

Evangeline M. Webb, 1989, *Assistant professor of nursing*. Diploma, 1958, Presentation School of Nursing, Aberdeen, SD; B.A., 1961, Ottawa University; M.A., 1964, Eastern Baptist Theological Seminary; M.S.N., 1980, University of Oklahoma-Oklahoma City.

DEPARTMENT OF PHILOSOPHY

Keith R. David, 1969, *Professor of philosophy*. B.A., 1954, Oklahoma Baptist University; M.A., 1962, University of Wichita; Ph.D., 1969, Southern Illinois University; further study, Regent's Park College, University of Oxford, Yale University.

Gerald W. Eichhoefer, 1985, *Associate professor of computer studies and philosophy*. B.A., 1968, Greenville College; M.A., 1984, Ph.D., 1988, Rice University; further study, Asbury Theological Seminary, Southern Illinois University, St. Louis University, University of Houston.

Randall C. Morris, 1993, *Assistant professor of philosophy*. B.A., 1979, M.A., 1986, D. Phil., 1987, University of Oxford.

Robert S. Trotter, 1949, *Sherwood professor of philosophy, and chairman*. A.B., 1944, Mississippi College; B.D., 1947, Ph.D., 1956, Yale University; further study, University of Minnesota.

DEPARTMENT OF PHYSICAL EDUCATION

Deborah Glenn Baker, 1992, *Instructor in physical education and head women's basketball coach*. B.S., 1985, M.B.A., 1987, Emporia State University; M.Ed., 1989, Northern Montana College.

Sam Brown, 1991, *Instructor in physical education, head football coach, and head track coach*. B.S., 1972, University of Missouri-Columbia; M.S., 1980, Central Missouri State University.

College Personnel

Kevin L. Deremer, 1987, *Assistant professor of physical education and head athletic trainer*. B.S., 1981, University of West Virginia; M.S.Ed., 1983, Northwest Missouri State University.

Fred Flook, 1962-1970; 1975, *Assistant professor of physical education, and baseball coach*. B.S., 1958, M.A., 1971, Kansas State Teachers College of Emporia; further study, University of Utah.

Larry Max Hamilton, 1967, *Assistant professor of physical education, athletic administrator, and track coach*. A.B., 1961, William Jewell College; M.S., 1967, Central Missouri State University.

Larry R. Holley II, 1979, *Assistant professor of physical education, and head basketball coach*. A.B., 1967, William Jewell College; M.Ed., 1968, University of Missouri-Columbia; further study, University of Missouri-Columbia, Northwest Missouri State University, DePaul University.

Sylvia Faye Nadler, 1990, *Professor of physical education, and chairwoman*. B.S., 1971, Wayland Baptist University; M.Ed., 1974, West Texas State University; Ed.D., 1980, East Texas State University.

Michael W. Newman, 1993, *Assistant football coach, instructor in physical education*. B.S., 1985, William Jewell College; M.A., 1992, University of Missouri-Kansas City.

DEPARTMENT OF PHYSICS

C. Don Geilker, 1968, *Professor of physics, and chairman*. A.B., 1955, William Jewell College; M.A., 1957, Vanderbilt University; Ph.D., 1968, Case Institute of Technology.

John L. Philpot, 1962, *Professor of physics*. A.B., 1957, William Jewell College; M.S., 1961, Ph.D., 1965, University of Arkansas.

DEPARTMENT OF POLITICAL SCIENCE

Gary Armstrong, 1992, *Instructor in political science*. B.A., 1985, University of Oklahoma; ABD, Georgetown University.

Bruce Hall, 1993, *Assistant professor in political science*. B.A., 1985, California State University-Fullerton; M.A., 1991, Ph.D., 1993, The Claremont Graduate School.

Dale S. Kuehne, 1989, *Assistant professor of political science, and chairman*. B.A., 1981, University of Minnesota; M.A.T.S., 1985, Gordon-Conwell Theological Seminary; M.A., 1988, Ph.D., 1993, Georgetown University.

DEPARTMENT OF PSYCHOLOGY

C. Ray Owens, 1983, *Associate professor of psychology, and chairman*. B.S., 1975, Houston Baptist University; M.A., 1977, University of Houston at Clear Lake City; Ph.D., 1984, Utah State University.

Patricia Schoenrade, 1989, *Associate professor of psychology*. B.A., 1981, Purdue University; M.A., 1984, Ph.D., 1986, University of Kansas.

Robert E. Troutwine, 1980, *Professor of psychology*. B.S., 1976, Southwest Missouri State University; M.S., 1979, Ph.D., 1980, Tulane University.

DEPARTMENT OF RELIGION

J. Bradley Chance, 1982, *Associate professor of religion, and chairman, and director of academic advising*. A.B., 1975, University of North Carolina, Chapel Hill; M.Div., 1978, Southeastern Baptist Theological Seminary; Ph.D., 1984, Duke University.

Jerry B. Cain, 1978, *Assistant professor of religion, and chaplain to the college*. B.S., 1968, Eastern New Mexico University; M.A., 1971, Baylor University; D.S.T., William Jewell College, 1992; further study, University of New Mexico, New Mexico Highlands University, Midwestern Baptist Theological Seminary, University of Oxford.

David Nelson Duke, 1980, *Professor of religion*. B.A., 1972, Samford University; M.Div., 1975, Southern Baptist Theological Seminary; Ph.D., 1980, Emory University; further study, University of Oxford.

Milton P. Horne, 1986, *Assistant professor of religion*. B.A., 1979, University of Missouri-Columbia; M.Div., 1983, Midwestern Baptist Theological Seminary; D.Phil., 1989, University of Oxford.

Adrian Lamkin, 1980, *Assistant professor of religion*. B.A., 1970, Georgetown College; M.Div., 1973, Ph.D., 1980, Southern Baptist Theological Seminary.

College Personnel

DEPARTMENT OF SOCIOLOGY

Edgar Chasteen, 1965, *Professor of sociology and anthropology*. B.S., 1957, M.A., 1959, Sam Houston State College; Ph.D., 1965, University of Missouri.

Anton K. Jacobs, 1988, *Associate professor of sociology, and chairman*. B.A., 1971, University of Missouri-St. Louis; M.Div., 1975, Eden Theological Seminary; M.A., 1978, University of Louisville; Ph.D., 1985, University of Notre Dame.

FACULTY OF REGENT'S PARK COLLEGE, OXFORD UNIVERSITY

(Joint Appointment at Jewell)

Timothy Bradshaw, 1992, *Dean and fellow in Christian Doctrine*. M.A., Ph.D., Nottingham.

Paul S. Fiddes, 1988, *Principal*. M.A., D.Phil., Oxford.

Larry Kreitzer, 1988, *Senior tutor and fellow in New Testament*. M.Th., Ph.D., London.

David J. Reimer, 1993, *Fellow in Old Testament*. B.Th., M.A., D.Phil., Oxford.

Julian Thompson, 1993, *Fellow in English Literature*. M.A., D.Phil., Oxford.

John D. Weaver, 1992, *Fellow in Pastoral Theology*. M.A., Ph.D., Wales.

Adjunct and Part-Time Faculty, 1993-94

Lora Brewer Ackerman, *Adjunct instructor in communication*.

Pamela M. Adams, *Adjunct instructor in biology*.

Mark J. Armato, *Adjunct instructor in education*.

Linda Armstrong, *Adjunct instructor in political science and coordinator of the William Jewell Society for the Pew Younger Scholars Program*.

Reta A. Beaty, *Adjunct instructor in physical education*.

Terry Bowman, *Adjunct instructor in physical education*.

Virginia Boyer, *Adjunct instructor in English*.

Linda Brandom, *Adjunct instructor in education*.

Elaine Brown, *Adjunct artist-instructor in music (flute)*.

John C. Brown, *Adjunct instructor in physical education*.

Sherry Cady, *Adjunct instructor in mathematics*.

John W. Cain, *Adjunct instructor in psychology*.

Montserrat Jurado Cebrian, *Spanish assistant*.

Phyllis Chatlos, *Adjunct instructor in mathematics*.

Dale Cooper, *Adjunct instructor in physical education*.

James R. Crowe, *Adjunct instructor in religion*.

Randall Cunningham, *Adjunct instructor in music*.

Michael R. Dennis, *Adjunct instructor in religion*.

Larry Dickerson, *Adjunct instructor in philosophy*.

Ray DiMarchi, *Adjunct instructor in music*.

Loulla Efstathiou, *Adjunct instructor in education*.

William H. Eggering, *Adjunct instructor in German*.

David Everson, *Adjunct instructor in music*.

Sally N. Ellis Fletcher, *Adjunct instructor in nursing*.

Rebecca Folsom, *Adjunct instructor in music*.

Rebecca Foster, *Adjunct instructor in English*.

William R. Gossett, *Adjunct instructor in physical education*.

Laurence Sylvie Gouyette, *French assistant*.

Katherine Griffith, *Adjunct instructor in language*.

James Grimm, *Adjunct instructor in music*.

College Personnel

Kevin Guthrie, *Adjunct instructor in physical education.*

William Hall, *Adjunct instructor in music.*

David Haas, *Adjunct instructor in music.*

Julie Hess, *Adjunct instructor in education.*

Juarenne C. Hester, *Adjunct instructor in education.*

Vicki L. Hollon, *Adjunct instructor in religion.*

Eddie Hornback, *Adjunct instructor in physical education.*

Patricia A. Jamerson, *Adjunct instructor in nursing.*

Ann Johnson, *Adjunct instructor in foundations.*

Peggy Jean Jones, *Adjunct instructor in biology.*

Rebecca Koop, *Adjunct instructor in art.*

Brian Kramer, *Adjunct instructor in physical education.*

Sidney Krampitz, *Adjunct instructor in nursing.*

Edward Lakin, *Distinguished adjunct professor of music.*

Ken Macken, *Adjunct instructor in religion.*

Jim Mair, *Adjunct instructor in music.*

John Massa, *Adjunct instructor in physical education.*

Steve Mathews, *Adjunct instructor in physical education.*

Leslie Mengel, *Adjunct instructor in music.*

Judy Minor, *Adjunct instructor in physical education.*

Andrew J. Moody, *Adjunct instructor in English.*

Barbara Morgart, *Adjunct instructor in nursing.*

Mikako Muta, *Adjunct instructor in Japanese.*

Patrick Nickle, *Adjunct instructor in business administration.*

Yvonne Nixon, *Adjunct instructor in foundations.*

Victoria Olson, *Adjunct instructor in music.*

Norris Patterson, *Distinguished adjunct professor in physical education.*

Colleen Petty, *Adjunct instructor in nursing.*

Ann Posey, *Adjunct instructor in music.*

Mort Rader, *Adjunct instructor in music.*

Mike Reuck, *Adjunct instructor in physical education.*

Betty S. Richert, *Adjunct instructor in nursing.*

Mary Dugan Saxon, *Adjunct instructor in nursing.*

Steve Seward, *Adjunct instructor in music.*

Gwen Shapiro, *Adjunct instructor in physical education.*

Karen Shy, *Adjunct instructor in physical education.*

Rodney Soptic, *Adjunct instructor in physical education.*

Marybeth Sorrell, *Adjunct instructor in communication.*

Bradley W. Springer, *Adjunct instructor in art.*

Lawrence Stewart, *Adjunct instructor in religion.*

Edward J. Stuckey, *Adjunct instructor in English.*

John Sylvester, *Adjunct instructor in art.*

Terri Teal, *Adjunct instructor in music.*

James O. Thomas III, *Adjunct instructor in accounting.*

Burdette L. Wagenknecht, *Distinguished adjunct professor of biology.*

Carol Wagner, *Adjunct instructor in nursing.*

Norma Ward, *Adjunct instructor in physical education.*

College Personnel

Jane Woodruff, *Adjunct instructor in Latin and Greek.*

James Wright, *Adjunct instructor in music.*

Linda Yameen, *Adjunct instructor in music.*

Pat Young, *Adjunct instructor in nursing.*

EMERITI FACULTY AND ADMINISTRATORS

Georgia B. Bowman, *Professor of communication, and chairman, 1947-1979.*

Wilbur J. Bruner, *Professor of modern languages, and chairman, 1936-1978.*

Keith R. David, *Professor of philosophy, 1969-1994.*

Thomas S. Field, *President, 1970-1980.*

Bernice B. Gonzalez, *Associate professor of modern languages, 1964-1974.*

Darrel W. Gourley, *Associate professor of physical education, and golf coach, 1958-1991.*

E.W. Holzapfel, *Vice president of student affairs, 1947-1970; acting president 1969-1970.*

D. Vern LaFrenz, *Associate professor of mathematics, 1945-1969.*

Edward Lakin, *Professor of music, 1950-1977.*

David O. Moore, *Professor of religion, and chairman, 1956-1986.*

Norris A. Patterson, *Professor of physical education, and chairman, 1950-1969 and 1975-1985.*

Virginia D. Rice, *Associate professor of communication, 1930-1975.*

Olive E. Thomas, *Associate professor of biology, 1936-1974.*

Janet Vincent Thompson, *Professor of nursing, 1968-1991.*

Myra Cozad Unger, *Professor of English, 1961-1994.*

Burdette L. Wagenknecht, *Professor of biology, 1968-1991.*

Kermit C. Watkins, *Professor of economics and chairman, 1956-1978.*

Earl R. Whaley, *Professor of sociology and chairman, 1955-1988.*

Officers of the College, 1993-94

Jerry B. Cain, *Chaplain to the College, and collegiate vice president. B.S., Eastern New Mexico University, 1968; M.A., Baylor University, 1971; D.S.T., William Jewell College, 1992.*

Sandra M. Hader, *Vice president for administrative services. B.B.A., University of Missouri-Kansas City, 1970; C.P.A., State of Missouri, 1978; M.B.A., Rockhurst College, 1991.*

Gary D. Phelps, *Dean of student affairs, and collegiate vice president. A.B., William Jewell College, 1970; M.S., Emporia State University, 1972.*

Larry E. Stone, *Director of enrollment management, and collegiate vice president. A.B., William Jewell College, 1969; M.A., University of Missouri-Kansas City, 1974.*

Jimmie E. Tanner, *Dean of the College, and provost, and interim president. B.A., Oklahoma Baptist University, 1955; M.A., 1957, Ph.D., 1964, University of Oklahoma.*

Administrative Faculty, 1993-94

Tim R. Ackerman, *Publications designer. B.S., 1989, M.S., 1991, Central Missouri State University.*

Ruth Ann Anderson, *Bookstore manager.*

Susan J. Armstrong, *Director of student financial planning. A.B., William Jewell College, 1984; M.B.A., Rockhurst College, 1987.*

B. Darlene Atkinson, *Associate to the director of food service. B.S., William Jewell College, 1987.*

Elaine M. Barnes, *Registrar. B.S., University of Kansas, 1972.*

Norman Boos, *Structural supervisor.*

DeeDee Barnes Bruns, *Associate director of admission. B.S., William Jewell College, 1981; M.L.A., Baker University, 1993.*

College Personnel

John W. Cain, *Director of counseling and testing.* A.B., William Jewell College, 1981; M.A., University of Missouri-Kansas City, 1984.

J. Bradley Chance, *Director of academic advising.* A.B., University of North Carolina, Chapel Hill, 1975; M.Div., Southeastern Baptist Theological Seminary, 1978; Ph.D., Duke University, 1984.

Carol Croley, *Administrative assistant, Fine Arts Program.*

Ernie L. Davis, *Director of food service.* B.S., Southern Illinois University, Edwardsville, 1992.

Victor L. Davolt, *Regional director of admission.* A.B., William Jewell College, 1982.

Kevin L. Deremer, *Head athletic trainer.* B.S., University of West Virginia, 1981; M.S.Ed., Northwest Missouri State University, 1983.

Larry J. Dickerson, *Director of computer services.* A.B., William Jewell College, 1976; M.Div., Yale University, 1980.

Amy B. Duncan, *Admission counselor.* A.B., William Jewell College, 1988; M.A., Baylor University, 1991.

Ruth G. Eakin, *Learning Resource Center Coordinator.* B.A., 1977, M.L.S., 1978, University of Mississippi; further study, Mississippi College.

Robert A. Eisele, *Director of public relations.* B.A., University of Missouri-Kansas City, 1975; M.A., Webster University, 1992.

David M. Fulk, *Assistant director of alumni programs.* A.B., William Jewell College, 1985; M.R.E., Midwestern Baptist Theological Seminary, 1990.

D. Corrine Geabhart, *Assistant director of student financial planning.*

Helen L. Gillespie, *Accountant/business office manager.* B.S., William Jewell College, 1977.

Phillip F. Hagan, *Associate college physician.* M.D., Creighton University, 1986.

Richard L. Harriman, *Director of the Fine Arts Program.* A.B., William Jewell College, 1953; M.A., Stanford University, 1959; Litt.D., William Jewell College, 1983.

Douglas D. Hawley, *Coordinator of microcomputer resources and network assistant.* B.A., William Jewell College, 1991.

Kathryn Hawley, *Box office manager, Fine Arts Program.* B.A., William Jewell College, 1991; M.A., Central Missouri State University, 1992.

R. Melvin Henderson, *Director of planned giving.* A.B., Howard (now Samford) University, 1952; M.Th., Southeastern Baptist Theological Seminary, 1956; Ph.D., Princeton Theological Seminary, 1964.

Daniel G. Hickey, *Campus minister.* B.A., University of Arkansas, 1979; M.Div., Midwestern Baptist Theological Seminary, 1983.

Mike Hurst, *Assistant director of career development and placement.* B.S., 1982, William Jewell College; M.S., Avila College, 1990.

Linda Jester, *Catering supervisor.* A.A.A.S., Grand Rapids Community College, 1988.

Tracey J. Johnson, *Director of Lydia Lovan School of Music.*

Tami Lewis Jones, *Coordinator of business and professional seminars.* A.B., William Jewell College, 1987.

Brian Kramer, *Mabee Center facilities coordinator.* B.S., University of Nebraska, 1984; further study, Texas A & M University.

Rodger L. LaBeth, *Assistant dean for athletics, Mabee Center, and physical education.* A.B., William Jewell College, 1968; M.A., Ohio University, 1978.

Adrian Lamkin, Jr., *Director, William E. Partee Center for Baptist Historical Studies.* B.A., Georgetown College, 1970; M.Div., 1973, Ph.D., 1980, Southern Baptist Theological Seminary.

Joan S. Lawrence, *Administrative assistant to the president.*

Randy M. Leek, *Supervisor.* B.S., 1974, M.S., 1980, Kansas State University.

College Personnel

Ann Martin, *Coordinator of community education*. B.A., Fontbonne College, 1976.

Mitzi E. Mathews, *Associate college physician*. M.D., University of Kansas, 1982.

Karyl L. Minor, *Administrative assistant for continuing education*. B.S., Missouri Valley College, 1966.

Clark Morris, *Audience development coordinator, Fine Arts Program*. A.B., William Jewell College, 1992.

Rebecca A. Morrison, *Communication specialist*. B.A., University of Arkansas, 1978.

Ronald C. Mullennix, *President, CollegeHill Investments, Inc.* B.A., 1970, J.D., 1972, University of Missouri-Columbia.

Kathleen J. Sheppard Nasteff, *Regional admission representative*. A.B., William Jewell College, 1986.

James W. Nelson, *Senior development associate*. B.A., William Jewell College, 1965; M.A., University of Missouri-Columbia, 1971.

T. Edwin Norris, *Director of admission*. A.B., William Jewell College, 1983.

William E. Peters, *Chef*. Certified, Culinary Institute of America, 1962.

Sarah E. Powers, *Director of learning skills and the writing center*. A.B., William Jewell College, 1971; M.A., University of Missouri-Kansas City, 1972.

Aaron M. Reuck, *Director of physical plant*. B.S.C.E., Rolla School of Mines, 1962.

Denny Russell, *Security supervisor*.

Karen M. Russell, *Administrative assistant to the director of physical plant*.

Judith A. Rychlewski, *Director of career development and placement*. A.B., 1970, M.S., 1972, University of Missouri-Columbia.

J. Stephan Schwegler, *Associate dean for continuing education*. B.A., University of Missouri-Kansas City, 1969; M.A., University of Kansas, 1971; Ed.D., Teachers College, Columbia University, 1982.

Ann Marie Shannon, *Associate dean of the college, senior tutor of Oxbridge Program, and coordinator of overseas study*. B.A., Agnes Scott College, 1951; A.M., Radcliffe College, 1952; Ph.D., Emory University, 1961.

Ardith Sharp, *Administrative assistant to the dean and provost*.

Nancy C. Sherrick, *Coordinator of programs, president's office*.

Dan Simmons, *Landscape coordinator*.

Wendy Smith, *Box office treasurer, Fine Arts Program*. B.A., William Jewell College, 1993.

William D. Soper, *College physician*. M.D., University of Missouri-Columbia, 1968.

Jacque W. Stouffer, *Assistant to the director of admission*. A.B., William Jewell College, 1990.

Deborah Taggart, *Director of the Bowles-Skilling Health Center*.

Eleanor F. Terry, *Associate dean of students/director of Freshman Year Experience program*. Mississippi College, 1964; M.A., 1965, Ph.D., 1989, University of Missouri-Columbia.

James L. Thomas, *Assistant director of physical plant*.

Susan B. Tideman, *Director of alumni programs*. B.S., Buena Vista College, 1986.

Richard B. Uhlmann, *Assistant director of the physical plant*.

Kristin K. Vaughn, *Assistant director of regional admission*. A.B., William Jewell College, 1990.

Jennie Walters, *Administrative assistant for counseling and testing*.

Vernon W. Wenzel, *Custodial supervisor*.

Michael E. Williams, *Coordinator of the Foundations Program*. B.A., University of Northern Colorado-Greeley, 1977; M.A., 1979, Ph.D., 1982, University of Colorado-Boulder.

John Young, *Director of the library*. A.B., William Jewell College, 1964; M.A.L.S., University of Denver, 1967; M.P.A., University of Missouri-Kansas City, 1974.

Board of Trustees

Board of Trustees

Jimmy L. Albright, *Residence, 2209 Elephant Trail, St. Joseph, MO 64506; business address, Wyatt Park Baptist Church, 2739 Mitchell, St. Joseph, MO 64507.* Pastor, Wyatt Park Baptist Church, St. Joseph; served as First Vice President of Missouri Baptist Convention, 1984; board member, Missouri Baptist Foundation and Christian Life Commission; Nominating Committee, Missouri Baptist Convention; included in *Who's Who in the Southwest*, *Who's Who in America*, and *Who's Who in American Colleges and Universities*; Walter Pope Binns Fellow, William Jewell College, 1987; professor in archaeology, Missouri Western State College; author; lecturer; motivational speaker; has served former pastorates in Texas.

Richard P. Bowles, M.D., *Residence, 414 North Ridge, Liberty, MO 64068; business address, 140 Westwoods Drive, Liberty, MO 64068.* Certified by American Board of Family Practice; retired William Jewell College physician; served as delegate from Missouri to American Medical Association; member, Missouri State Medical Association; past president of medical staffs at Liberty Hospital and North Kansas City Hospital; "Harris Fellow" of Liberty Rotary Club; served on board of directors, Liberty Chamber of Commerce; received distinguished service award from Liberty Jaycees for community service; received Citation for Achievement from William Jewell College; awarded membership in the Missouri Athletic Trainers Association Sports Medicine Hall of Fame; received distinguished service award from Liberty Hospital.

William M. Crouch, C.F.P., *Residence, 239 Chasselle Lane, St. Louis, MO 63141; business address, Moneta Group, Inc., 700 Corporate Park Drive, #300, Clayton, MO 63105.* Principal, Moneta Group, Inc.; member, Certified Financial Planners; member, National Association of Securities Dealers; member, executive board, Missouri Quarterhorse Association; associate board member, Missouri Baptist Hospital; Boystown of Missouri; St. Louis Exhibitors Horse Show Association.

H.F. "Fred" Fishel, *Residence, 14140 Westernmill Drive, Chesterfield, MO 63017; business address, First Baptist Church, 333 N. Florissant Road, St. Louis, MO 63135.* Pastor, First Baptist Church-Ferguson, St. Louis; member, Executive Board, Missouri Baptist Convention; Walter Pope Binns Fellow, 1980; Yates Medallion Recipient, William Jewell College, 1980; former pastorates in Virginia and Kentucky.

John L. Gilbert, *Residence, 551A North Westwood Drive, Poplar Bluff, MO 63901; business address, First Baptist Church, 551 North Westwood Drive, Poplar Bluff, MO 63901.* Pastor, First Baptist Church, Poplar Bluff; served for 12 years as member, Executive Board of Missouri Baptist Convention; president, Missouri Baptist Convention, 1984-85.

John E. Hughes, *Residence, 14909 East 34th Street, Independence, MO 64055; business address, 500 West Truman Road, Independence, MO 64050;* Pastor, First Baptist Church, Independence; Executive Board, Missouri Baptist Convention; president, American Christian Television System of Kansas City, Inc.; past president, Southern Baptist Theological Seminary National Alumni Association.

Wallace E. Jones, *Residence, 1210 Kennington Ct., Lake St. Louis, MO 63367.* Pastor Emeritus, Fee Fee Baptist Church, St. Louis; Executive Committee, Southern Baptist Convention; past president, Missouri Baptist Convention; former pastorates in Kansas City; Weldon, N.C.; Higbee, Mo.; Dade County and Johnson County, Mo.

Lewis M. Krause, *Residence, 4510 Georgetown Drive, Columbia, MO 65203.* Retired pastor, Springfield Southern Baptist Church, Springfield, Ill.; former work as fraternal representative to German Baptist Union under Southern Baptist Convention Foreign Mission Board; pastorates at First Baptist Church, Camdenton and Fulton, Mo.; Immanuel Baptist Church, Jefferson City, Mo.; First Baptist Church, White Castle, La.

Burnell Landers, M.D., *Residence, 13101 Delaware Drive, Independence, MO 64055; business address, 4240 Blue Ridge Blvd., Kansas City, MO 64133.* Physician in gastroenterology; staff

Board of Trustees

privileges at Research Medical Center, North Kansas City Memorial Hospital, Independence Sanitarium and Hospital, plus consulting staff privileges at eight other area hospitals; member of American College of Gastroenterology, American Society of Gastrointestinal Endoscopy, American Medical Association, Greater Kansas City Society of Internists, Jackson County Medical Society, Kansas City Southwest Clinical Society, Midwest Society for Gastrointestinal Endoscopy, Missouri Society of Internal Medicine.

John E. Owen, *Residence, 916 North Cape Rock Drive, Cape Girardeau, MO 63701; business address, First Baptist Church, 926 Broadway, Cape Girardeau, MO 63701.* Pastor, First Baptist Church, Cape Girardeau; President, Missouri Southern Seminary Alumni Association; trustee, Annuity Board of Southern Baptist Convention; member, Long Range Planning Committee of Cape Girardeau Baptist Association; member, Student Work Committee for Baptist Student Union and chaplain of basketball team, Southeast Missouri State University, Cape Girardeau; former pastorates in Kentucky and Ohio.

Palmer A. Reynolds, *Residence, 1516 Gettysburg Landing, St. Charles, MO 63301; business address, Phoenix Textile Corporation, 13652 Lakefront Drive, St. Louis, MO 63045.* President, Phoenix Textile Corporation; member, Executive Committee, Missouri Baptist Convention.

Linda J. Roos, *Residence, 1199 Clayton Place Drive, St. Louis, MO 63131.* Private practice in marriage and family counseling; board member, the Metropolitan School, the Christian Civic Foundation; member and past president of the board of the North Side Team Ministry; member, advisory board of Dehoney Center, and chairperson of Dehoney Foundation, Southern Baptist Theological Seminary; vice president, Pillsbury Foundation, St. Louis; member and officer of P.E.O.

Gerald R. Sprong, *Residence, 37 Court Lane, St. Joseph, MO 64506; business address, The Morris Plan Company, P.O. Box 518, St. Joseph, MO 64502.* President and director, The Morris Plan Company; president and director, First Savings Bank, Manhattan, Kan.; director of St. Joseph Light and Power Company.

Joy Steincross, *Residence, 912 Wildbriar Drive, Liberty, MO 64068.* Active in denominational work of both Missouri Baptist Convention and Southern Baptist Convention; member, Coordinating Council, Cooperative Baptist Fellowship; former member, Christian Life Commission; chairperson, Missouri Baptist Convention World Hunger Task Force; formerly recording secretary of MBC Executive Board; compiler of "World Hunger Cookbook"; Meals on Wheels board of directors; member of P.E.O.; Liberty Symphony board of directors; Nursing School advisory board; member, Women-In-Ministry National Board; accomplished musician, public speaker, and church leader.

Harvey M. Thomas, Ph.D., *Residence, 617 Jefferson Circle, Liberty, MO 64068.* President, Thomas and Associates, Inc., psychological consultants to management; member, Claycrest Golf Club; member, Industrial Commission, Liberty; member, American Psychological Association, Midwest Psychological Association; certified psychologist, Missouri; Pi Kappa Delta; Sigma Xi.

William E. Turnage, *Residence, 230 Lakeside Drive, Liberty, MO 64068; Judge, Missouri Court of Appeals, Western District, retired.*

Robert W. Webb, *Residence, 5493 E. Waterfront South, Columbia, MO 65202; business address, Memorial Baptist Church, 1634 Paris Road, Columbia, MO 65201.* Pastor, Memorial Baptist Church, Columbia; has served as chairman, Inter-Agency Relations, Missouri Baptist Convention; member, State Nominating Committee, and member, Executive Board, MBC; former pastorates in Kansas, Arkansas, Bolivar, Mo., and First Baptist Church, Maryville, Mo.

John F. White, *Residence, 99 Lazell Street, Hingham, MA 02043; business address, Haemonetics Corporation, 400 Wood Road, Braintree, MA 02184.* President, chairman, and CEO, Haemonetics Corporation; chairman, CP&S; board member, Massachusetts High Technology Council.

Trustees/Committees

ADVISORY TRUSTEE

A. Phillip Lineberger, *Residence, 5415 Brandon Court, Tyler, TX 75703; business address, 301 West Ferguson, Tyler, TX 75702.* Pastor, First Baptist Church, Tyler; former pastor in Richardson, Texas, Wichita, Kan., and Little Rock, Ark.; graduate of Southwestern Seminary; member, BWA Evangelism Committee; received many honors, awards, including H.C. Brown Preaching Award, Outstanding Senior Preacher, Southwestern Baptist Seminary; *Who's Who in American Universities and Colleges; Outstanding Young Men of America.*

TRUSTEES EMERITI

Robert M. Addison, 2517 Hawthorne, Independence, MO 64052.

James R. Bocell, 1 Elmwood Road, St. Joseph, MO 64505.

Homer Earl DeLozier, D.D., 1700 Bellevue, St. Louis, MO 63117.

G. Nelson Duke, 1903 Chicago Road, Jefferson City, MO 65109.

J. Ray Gill, 406 East Lexington, Richmond, MO 64085.

Joe H. Hunt, P.O. Box 490, Arcadia, OK 73007.

Samuel E. Maddox, 907 El Dorado, Dothan, AL 36303.

Eugene M. Moore, 333 W. Meyer Blvd., #614, Kansas City, MO 64113.

O.Q. (Dick) Quick, 26 Sugar Creek, Waco, TX 76712.

John F. Truex, 13139 Thornhill Drive, St. Louis, MO 63131.

Committees of The College, 1994-95

PROGRAM AND POLICY COMMITTEES

ADMINISTRATIVE CABINET (A): Cain, Hader, Phelps, Stone, Tanner

CURRICULUM AND EDUCATIONAL POLICY (AIF): Faculty—M. Cook, J. Dils, D.N. Duke, A. Epley, K.B. Harris, F. Moore, S. Nadler, E. Reynolds, J. Westlie; Ex-officio—Barnes, Schwegler, Shannon, Williams; Administrator—Tanner

FACULTY COUNCIL (F): J. Canuteson, J. Day, D. Dunham, B. Hall, O. Miller, P. Schoenrade

FACULTY DEVELOPMENT (F): M. Cadd, B. Chance, P. Gabrielson, C. Green, J. Hawkins, M. Horne, D. Johnson, D. Meyer, J. Philpot

SPECIFIC ACTION COMMITTEES

ADMISSION (A/F): Faculty—H. Brown, L. Jacobsen, T. Mathis; Administrators—Norris, Phelps, Tanner; Ex-officio—Barnes

ATHLETICS (A/F): Faculty—E. Chasteen, N. Lueders; Administrator—Tanner

BUDGET (A): Faculty—J. Johnson, S. Sherrick, M. Walters; Administrators—Cain, Hader, Phelps, Stone, Tanner

CHRISTIAN COLLEGE (A/F): Faculty—D. Baker, R. Brown, L.A. Harris, A. Vera; Administrator—Cain

COMMITTEE ON COMMITTEES (F): S. Emig, J. Kersten, K. Chatlos, V. Meek, R. Morris, P. Thompson

COMPUTER FACILITATING (A/F): Faculty—V. Meek, S. Powers; P. Riddle, M.J. Stockton, P. Thompson; Administrator—Dickerson

HONORS COUNCIL (F): A. Buss, M. Dixon, V. Meek, B. Norris, F. Spletstoser

HUMANITARIAN SERVICE COMMITTEE (F): M.E. Bleakley, D. Johnson, N. Ma, P. Schaefer, E. Webb

Committees

INTERNATIONAL/INTERCULTURAL

EDUCATION (A/F): Faculty—W. Henning, J. Kersten, R. Morris; Administrator—Shannon

LIBRARY (A/F): Faculty—A. Buss, S. Emig, P. Kruse; Administrators—Shannon, Young

PRE-LAW ADVISORY (A/F): Faculty—V. Colapietro, E. Helsing, R. Troutwine

PRE-MEDICAL ADVISORY(A/F): Faculty—J. Dahl, A. Dema, J. Dilts, M. Dixon, D.N. Duke, E. Lane, C. Newlon

PRESTIGIOUS FELLOWSHIP

ADVISORY (F): G. Armstrong, K. Chatlos, R. Edwards, R. Garrison, E. Hoyt

SABBATICAL LEAVE (A): Faculty—K. Chatlos, C.D. Geilker, R. Trotter; Trustees—Gilbert, Hughes, Thomas, Turnage; Administrators—Shannon, Tanner

WHO'S WHO IN AMERICAN COLLEGES AND UNIVERSITIES (A/F):

Faculty—L. Bell, J. Dahl, F. Flook, R. Garrison, P. Posey, D. Thoman, R. Trotter, R. Troutwine; Administrator—Phelps

CONSULTATIVE COMMITTEES

CAMPUS ORGANIZATIONS AND

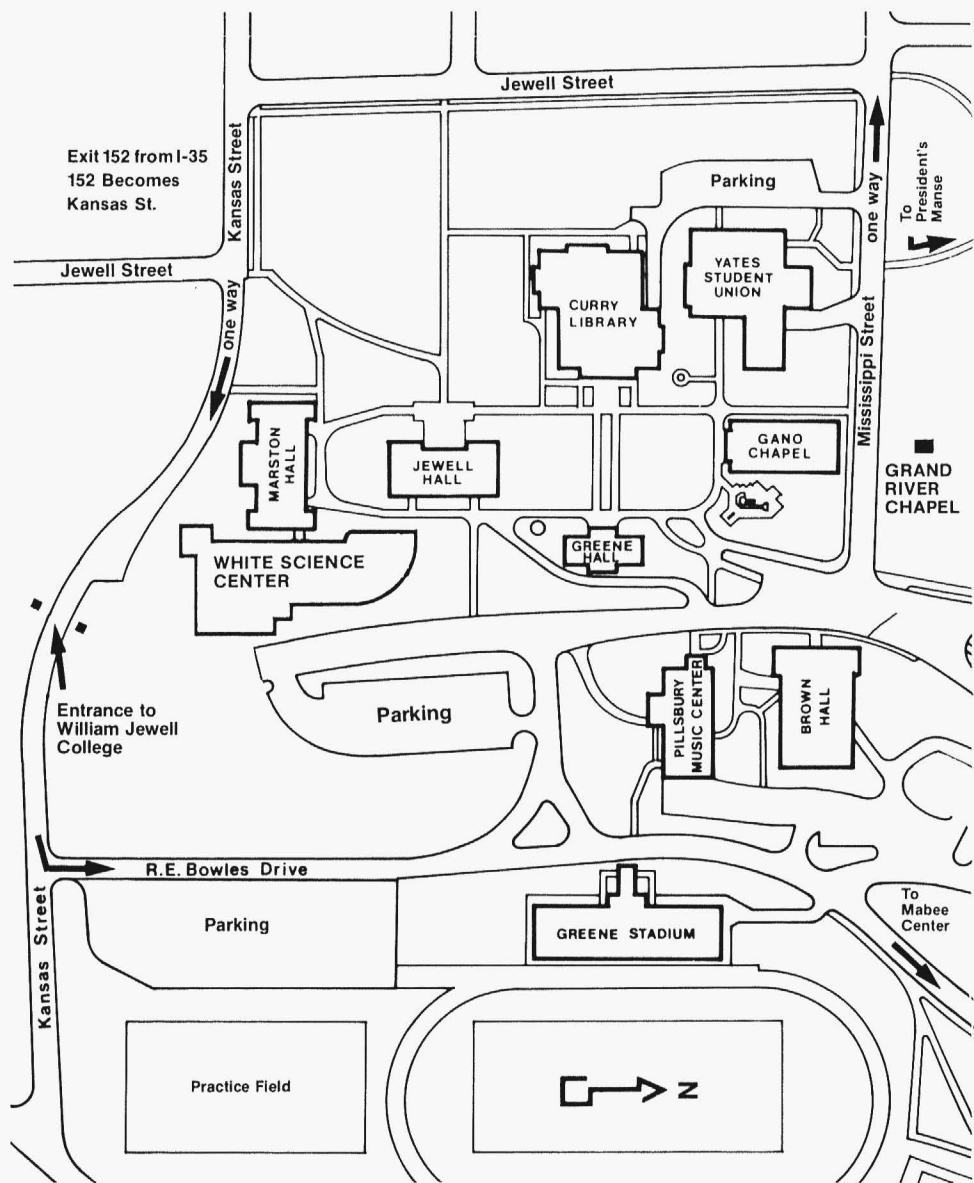
SPECIAL EVENTS (A/F): Faculty—D. Brown, E. Chasteen, L. Hamilton, J. Johnson, N. Lueders; Administrator—Phelps

COLLEGE CONDUCT (F): K. Deremer, R. Edwards, C. Permenter, M. Walters, T. Willett

EDUCATIONAL RECORD REVIEW (A/F): Faculty—L. Holley, B. Norris; Administrator—Rychlewski

TEACHER EDUCATION (F): M. Bleakley, M. Cadd, R. Garrison, C. Green, T. Mathis, F. Moore, S. Powers, P. Schaefer, M.J. Stockton, D. Thoman

Campus Map



Campus Facilities

Academic Buildings

CURRY LIBRARY

Baptist Historical Society
Browning Theater

JEWELL HALL

Business Administration and
Economics Department
Communication Department
English Department
Language Department
Philosophy Department

WHITE SCIENCE CENTER

Biology Department
Chemistry Department
Math and Computer Studies
Department
Physics Department

MABEE CENTER

Physical Education
Department

PILLSBURY MUSIC CENTER

Forbis Recital Hall
Lovan Community School
of Music
Music Department
Perry Learning Resource
Center

Special Services Buildings

ELY HALL

Custodial Office
Physical Plant Office
Security Office
Bowles-Skilling Health Center

GREENE HALL

Administrative Services
Associate Dean/Oxbridge
Overseas Study
Business Office
Information Center
President
Provost and Dean
Registrar
Student Financial Planning

MARSTON HALL

Advancement
Alumni/Development/
Public Relations
Education Department
Fine Arts Program
History Department
Nursing Department
Political Science Department
Psychology Department
Sociology Department

POWER PLANT

Building Services

YATES COLLEGE UNION

Bookstore
Career Development
and Placement
Counseling and Testing
Dean of Student Affairs
Food Service
Housing Services
Student Activities
Student Affairs

Other Facilities

BROWN HALL

Admission
Art Department
Continuing Education
Doniphan Room
Journalism and Student
Newspaper
Microcomputer Laboratory
Peters Theater
Radio Station KWJC
Stocksdale Art Gallery
Theatre Program

GAHO CHAPEL

Chaplain Office
New Horizons Center
Religion Department
Spurgeon Center for Ministry
Student Ministries

GREENE STADIUM

Norris A. Patterson Field
Elliot C. Spratt
Outdoor Sports Complex
Polly Grant Memorial
Baseball Field
Soccer Field
Softball Diamonds

HESTER ALUMNI CENTER

Guest Suites

PRESIDENT'S MANSE

Housing

College Place West
Melrose Hall
Semple Hall

Sororities

Alpha Gamma Delta
Alpha Delta Pi
Zeta Tau Alpha
Delta Zeta

Jones Hall
Browning Hall
Eaton Hall
Ely Hall
Marguerite Apartments
Regents' Quadrangle
Kappa Alpha Fraternity
Coventry House
Oxford House
Doniphan House
Lambda Chi Alpha Fraternity
Stamford House
Scholar's Cottage
Ivy Cottage
Cardinal House
Evans House
Phi Gamma Delta Fraternity
Sigma Nu Fraternity

Calendar

Official Calendar 1994-95

FALL SEMESTER

August 27
Residence Halls Open

August 27-29
New Student Orientation

August 29
Registration

August 30
Classes Begin

September 1
Opening Convocation

October 8
Homecoming

October 21
Fall Break

November 22
Thanksgiving Holiday Begins
(5 p.m.)

November 28
Classes Resume

December 12
Finals Preparation Day

December 13-16
Final Examinations

December 16
Christmas Holiday Begins
(5 p.m.)

SPRING SEMESTER

January 16
Classes Begin

February 24
Achievement Day

March 3
Spring Break Begins (5 p.m.)

March 13
Classes Resume

April 14
Good Friday Observed

May 1-4
Final Examinations

May 7
Baccalaureate and
Commencement

SUMMER SCHOOL

May 30
Summer School Begins

July 21
Summer School Ends

1995-96

FALL SEMESTER

August 26
Residence Halls Open

August 26-28
New Student Orientation

August 28
Registration

August 29
Classes Begin

August 31
Opening Convocation

October 14
Homecoming

October 20
Fall Break

November 21
Thanksgiving Holiday Begins
(5 p.m.)

November 27
Classes Resume

December 11
Finals Preparation Day

December 12-15
Final Examinations

December 15
Christmas Holiday Begins
(5 p.m.)

SPRING SEMESTER

January 15
Classes Begin

February 23
Achievement Day

March 1
Spring Break Begins (5 p.m.)

March 11
Classes Resume

April 5
Good Friday Observed

April 29-May 2
Final Examinations

May 5
Baccalaureate and
Commencement

SUMMER SCHOOL

May 28
Summer School Begins

July 19
Summer School Ends

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