

*College Information*

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## **DONALD L. HARRISON COLLEGE OF BUSINESS**

**Gerald S. McDougall, Dean**

**Department of Accounting and Management Information Systems**

**Department of Economics and Finance**

**Department of Management and Marketing**

**Office of International Studies in Business**

**The Center for Business and Economic Research**

**The Center for Entrepreneurial Studies and Small Business Management**

Because of the quality of its programs in business, Southeast Missouri State University will become the campus of choice among students wishing to pursue undergraduate business studies at a State University with a primary focus on high quality instruction. Through the accomplishments of its students and faculty, and with a commitment to continuous improvement and excellence, the Donald L. Harrison College of Business will be a college that sets expectations rather than simply meets expectations. As a result of its academic growth and development, a stronger college identity will emerge and this identity will be enhanced by local, regional, national and international linkages which benefit students, faculty, and the University's larger community. The Harrison College of Business is committed to providing business studies today for tomorrow's business successes – experience Southeast, experience success.

The Donald L. Harrison College of Business at Southeast Missouri State University provides contemporary undergraduate and graduate business studies in accounting, administrative systems management, economics, entrepreneurship, finance, international business, management, management information systems, marketing, and organizational administration designed to meet the educational and professional needs in Southeast Missouri, while attracting students nationally and internationally. Students are provided an unusually strong liberal arts foundation by completing the nationally recognized University Studies program. A Master's In Business Administration (MBA) program is available for advanced studies in business.

A minor in business administration is offered for any non-business major. This minor is designed to provide non-business students with a foundation in business concepts that many employers find attractive. The business administration minor also provides a bridge to the MBA program. Upon completion of the undergraduate degree with a minor in business administration, students may apply directly to the MBA program. Once admitted,

students can achieve the MBA degree by completing 33 credit hours of graduate business work.

Excellence in teaching, intellectual contributions, and service consistent with the teacher-scholar model are faculty priorities. Greatest attention is given to high quality teaching, emphasizing conceptual reasoning, problem-solving, critical thinking, and preparation for life-long learning that recognizes an ever-changing global business environment. The active learning environment fosters integration of knowledge, an international perspective, and ethical valuing. To insure continuous improvement and relevance, curricula and other elements of the teaching process are reviewed and revised regularly.

Scholarly work, effective teaching, and student learning are intertwined. As such, following the teacher-scholar model, the Harrison College of Business encourages and supports all forms of scholarship, with an emphasis on applied research and instructional development. Faculty are expected to be active in scholarly and professional organizations, and to develop and enhance relevant linkages with the business community, area schools, other colleges and universities, governments at all levels, and organizations and agencies in other countries.

The Harrison College of Business promotes regional economic growth and small business development through its academic programs and activities of the Center for Economic and Business Research, the Center for Entrepreneurial Studies and through collaboration with the Small Business Development Center. Faculty expertise and student enthusiasm support a wide range of outreach efforts designed to assist regional businesses to be as successful as possible.

The Harrison College of Business aspires to attract, retain, and develop students who have the intellectual capacity and personal skills to succeed in their academic, personal, and professional endeavors. Paramount in this is the promotion of diversity and cultural sensitivity. The faculty is committed to supporting student success through excellence in instruction, advising, career counseling, internships and practica, co-curricular activities, and student placement. Student progress is monitored through the College Advising Center and by program evaluation, student outcomes assessment, and the maintenance of AACSB-International business accreditation.

College resources are acquired and managed in a manner consistent with a commitment to excellence and improvement. Faculty recruitment, retention, development and incentives are based on enhancing and recognizing teaching effectiveness, intellectual contribu-

tions, and service. Faculty professional development activities are supported through university, college, and departmental programs. Investments in facilities and equipment are guided by academic priorities focused on insuring student success and relevance. This is reflected in state-of-the-art technology that supports alternative delivery systems, develops skills valued by the business community and promotes student learning of business concepts.

The objectives of the undergraduate business program and college are:

- To prepare students to begin successful careers in business and related professions, or to pursue advanced studies in business or related fields.
- To develop an understanding of the linkage between the theory and practice of business.
- To insure students are conversant in the contemporary issues confronting the business practitioner.
- To develop communication skills, critical thinking skills, problem solving skills, leadership and teamwork skills, and fundamental research skills.
- To develop a foundation for life-long learning necessary for continued success and personal growth.
- To provide minors and other course work to complement the University's curriculum.
- To provide an environment that supports professional growth and advancement among faculty and staff.

The Donald L. Harrison College of Business is fully accredited by the Association to Advance Collegiate Schools of Business-International (AACSB – International). AACSB-International is the premier accrediting body for undergraduate and graduate programs in business worldwide.

## **ACCOUNTING AND MANAGEMENT INFORMATION SYSTEMS**

**Chairperson: Joseph Wen**

**Faculty: Deborah Beard, Sean Eom, Pam Gershuny, Eleanor Henry, Lisa Huang, Roberta Humphrey, Gary Johnson, Mary Virginia Johnston, Rebecca Lohmann, Charles McAllister, Diane Pettypool, Carolyn Rainey, Dana Schwieger, Regina Smart, Chellappa Somarajan, James Stapleton, Anthony Varnon, Jill Young**

The Department of Accounting and Management Information Systems meets the need for a quality undergraduate accounting and management information systems education through a dedicated faculty and curriculum that reflect the increasing importance of information to sound business decision making, a changing global environment, enhanced ethical awareness, and the increasing expectations of a professional career in accounting or information systems. Those completing the major in accounting have the foundation to pursue professional certification and a career in public accounting. Students completing the MIS major or the Administrative Systems Management major possess a foundation in business principles and computing technologies that enable graduates to pursue both technical and managerial careers. Students develop hands-on skills and experience by creating effective business applications of information technology to support business organizations. The department also serves students pursuing the MBA degree. Department faculty members regularly engage in professional development and scholarly activity. Faculty are also expected to engage in College and University service activities and provide service to the professional community at the local, regional and national levels through involvement in professional organizations and consulting activities.

### **MAJORS:**

- Accounting (B.S.B.A.)
- Administrative Systems Management (B.S.B.A.)
- Management Information Systems (B.S.B.A.)
- Business and Marketing Education (B.S.Ed)

### **MINORS:**

- Accounting
- Administrative Systems Management

### **CERTIFICATE:**

- Two-year Administrative Assistant

## **ECONOMICS AND FINANCE**

**Chairperson: Rebecca Summary**

**Faculty: Fred Adjei, Michael Devaney, Bruce Domazlicky, Benjamin Dow, Brian Gehring, Peter Kerr, David Kunz, Kang Hoon Park, Diane Primont, Willie Redmond, William Weber**

The department offers majors in economics and finance. The study of economics acquaints students with past and present national and world economic problems and with the tools of analysis economists use to understand these problems. The study of finance develops an understanding of financial institutions, capital markets and the financial structure of business.

By offering majors on the B.S. and B.S.B.A. degrees, the department encourages students to tailor their plan of study to their future goals. The B.S. degree in Economics prepares students for graduate work in economics, or for the study of law. The B.S.B.A. in Economics or Finance is geared toward students with an interest in employment in the business world.

In order to provide quality instruction, faculty participate in instructional workshops, engage in research designed to improve teaching skills and knowledge of subject matter, and participate in the development and teaching of interdisciplinary courses.

Students have experiential learning opportunities in addition to traditional internships. Economics majors have the opportunity to work with faculty on research projects that result in professional presentations and publications. Finance majors may choose coursework that allows them to participate in the management of a portfolio worth over \$600,000. Student organizations include Omicron Delta Epsilon, the national honorary society in economics, and the Accounting and Finance Club which partners with the FMA Student Chapter in fostering interaction among students, faculty, alumni, and other professionals.

#### **MAJORS:**

Economics (B.S.)

Economics (B.S.B.A.)

Options: Business Economics  
Financial Economics

Finance (B.S.B.A.)

#### **MINORS:**

Economics

Finance

## ***INTERNATIONAL STUDIES IN BUSINESS***

### **Director: Peter Gordon**

The office of International Business Programs (IBP) is responsible for the international academic programs sponsored by the Harrison College of Business. IBP supports a wide variety of international experiences open to all majors and minors, including short-term, and semester long programs.

Short term programs are scheduled between the fall and spring semesters, over spring break, and during the summer. Partial and full semester study abroad opportunities and summer programs are available at a number of institutions in Europe and other locations with students paying only Southeast fees. Knowledge of a foreign language is not required to participate.

The college also hosts business students from other countries under special programs and exchange agreements.

## ***MANAGEMENT AND MARKETING***

### **Chairperson: Judy Wiles**

**Faculty: Steven Byrd, John Cherry, Kevin Dickson, Peter Gordon, Kenneth Heischmidt, Nancy LeGrand, Ismatilla Mardanov, James Ricks, David K. Smith, Jr., Jack Sterrett, Scott Thorne**

The study of management, marketing and international business is critical to success in the world of business. The aim of management is to ensure the organization is responsive to internal and external stakeholders. Management majors study the many faceted tasks of managers, including planning, organizing, staffing, directing and controlling. Marketing involves a set of processes for creating, communicating, and delivering value to customers and for managing customer relationships in ways that benefit the organization and its stakeholders.

The department coordinates the majors of management, marketing, organizational administration and international business. Majors from this department are prepared for entry-level management positions in both profit and not-for-profit organizations. Students selecting to major in Management concentrate in one of three options: Entrepreneurship, Human Resource Management and Management. Students choosing to major in Marketing concentrate in either Marketing Management or Integrated Marketing Communications. The Marketing Management option encompasses the breadth and diversity of marketing management activities. The option in Integrated Marketing Communications focuses on the management of developing effective integrated marketing communication strategies including techniques in advertising, professional selling, promotions, publicity and direct marketing.

The Organizational Administration major is designed to provide a comprehensive understanding of the business process. Students completing this major will be prepared for positions that require a sound grasp of management and marketing principles, an appreciation for the economic environment of business, the ability to understand and use accounting and financial information, and understand the need for teamwork and leadership. This major accommodates business majors who need to take their courses online.

The International Business major is interdisciplinary in nature and promotes an understanding of the

cultural, financial, managerial, marketing and economic environmental of international business.

The department administers several minors, including those closely related to majors in Marketing and Management and two minors representing the broad discipline of business: the Entrepreneurship minor and the Business Administration minor. The Entrepreneurship minor focuses on the study of new venture development and effective small business management. The minor in Business Administration is designed for non-business majors who want to be better prepared for entry positions in business related to his/her major or to continue study in business at the graduate level.

The curriculum and instruction are designed to provide practical and professional experiences to students. Students have opportunities to work with actual businesses in select classes and complete an internship. Students also have opportunities to participate in our active student organizations: Delta Epsilon Chi/The Marketing Club and the Society for Human Resource Management. Activities by these organizations integrate and enhance the student's curriculum.

The department faculty have extensive teaching experience and regularly engage in scholarly research. The faculty are highly involved in providing service to the professional community at the local, regional, national and international levels.

#### **MAJORS:**

- International Business (B.S.B.A.)
- Management (B.S.B.A.)
  - Options: Entrepreneurship
  - Human Resource Management
  - Management
- Marketing (B.S.B.A.)
  - Options: Marketing Management
  - Integrated Marketing
  - Communications
- Organizational Administration (B.S.B.A.)

#### **MINORS:**

- Business Administration
- Entrepreneurship
- Human Resource Management
- International Business
- Management
- Marketing: Integrated Marketing Communications
- Marketing: Marketing Management
- Marketing: Retail Management
- Marketing: Sales Management

## **College of Education**

### **Margaret Noe, Dean**

#### **Department of Educational Leadership and Counseling**

#### **Department of Elementary, Early and Special Education**

#### **Department of Middle & Secondary Education**

The College of Education offers instruction in programs that prepare teachers, school administrators, and counselors as "competent, reflective and caring professional educators." Bachelor's degree programs in Teacher Education provide for direct entry into careers and the base for advanced education. These programs include a strong University Studies component; skill in the art of teaching; sequenced, integrated field-based experiences, and knowledge in a specialty area with a commitment to birth-grade 12 collaboration with area school districts. Master's degree programs in teacher education, educational administration and counseling provide opportunities for advanced education. The Specialist's degrees in Educational Leadership and Counseling Education are also the responsibility of this college. The cooperative doctoral program in Educational Leadership is provided through shared coursework, instruction and research oversight with the University of Missouri-Columbia.

The College of Education's undergraduate and graduate programs are accredited by the National Council for Accreditation of Teacher Education (NCATE). The college also holds accreditation from the Council for the Accreditation of Counseling and Related Education Programs (CACREP). In addition, all teacher preparatory programs are approved by the Missouri Department of Elementary and Secondary Education (DESE).

The college faculty enjoys national visibility for many of its programs, faculty research and programmatic activities. It received the 1999 Best Practice Award in Global and International Education from the American Association of Colleges for Teacher Education (AACTE) and has received the Christa McAuliffe Award from the American Association of State Colleges and Universities (AASCU). The college is an invited member of the Renaissance Group and is a member of the Teacher Education Council of State Colleges and Universities (TECSCU). The college has an active program of extra mural grants and ranks second in the university in external funding.

The college is a recognized leader in the International Reading Recovery Program and has recently opened its own University Training Center, one of

only twenty-three in the United States. The Reading Recovery program is one of three literacy professional development components of the Missouri Early Literacy Program which has received state grants.

Faculty in the college have participated with ten other universities in a five-year National Teacher Work Sampling project of the United States Office of Education.

Faculty and students from the college participate in international projects. Through a FIPSE grant, six universities from the U.S. and Europe have been identifying best practices in working with children at-risk across borders. Another grant from IREX brings secondary education teaching fellows from the Middle East, Southeast and South Asia and North Africa.

Other noteworthy activities that enforce its accreditation objectives are:

- National Board of Professional Teaching Standards support program for area teachers;
- Regional Professional Development Center for area teachers, administrators, and counselors;
- Web-based, distance learning, and off-campus courses at the undergraduate and graduate level;
- International (50 countries) and American Indian Reservation student teaching;
- Transitional and Alternative Certification programs for non-traditional students;
- Portfolio assessment;
- National assessment of all earned degree graduates in teaching and education administration.

## **EDUCATIONAL LEADERSHIP AND COUNSELING**

**Chairperson: Zaidy MohdZain**

**Faculty: Pamela Barnes, Lisa Bertrand, Gene Brunkhorst, Robert Buchanan, Margaret Dalton, Thomas Kiehne, Gary Koch, Julieta Monteiro-Leitner, Verl Pope, RuthAnn Roberts, Julia Smith, Rose O. Tallent, Janice Ward, Paul Watkins**

The Department of Educational Leadership and Counseling offers primarily graduate course work. See Graduate Bulletin for available programs.

## **ELEMENTARY, EARLY, AND SPECIAL EDUCATION**

**Chairperson: Deborah Eville Io**

**Faculty: Kathleen Conway, Annetta Crawford,**

**Sharon Dees, Jeanine Dobbins, Velma Gammon, Tahsin Khalid, Gayla Kolb, Dixie McCollum, Julie Ray, Doris Shands, Judy Thurston, Min Zou**

The Department of Elementary, Early, and Special Education provides programs for the preparation of teachers at the undergraduate level, and the improvement of teaching at the master's degree level. See Graduate Bulletin for listing of all advanced programs. Included at both levels are elementary education (grades 1-6) and education of exceptional children (K-12). The exceptional children program is a dual certification program: cross-categorical (K-12) and elementary education (grades 1-6). The early childhood education program provides instruction for birth -grade 3.

### **MAJORS:**

- Early Childhood Education (B.S.Ed.)
- Elementary Education (B.S.Ed.)
- Exceptional Child (B.S.Ed.)

## **MIDDLE & SECONDARY EDUCATION**

**Chairperson: Simin Cwick**

**Faculty: Jean Benton, William Bratberg, Mary Ann DeLine, Alberta Sautter, Mary Harriet Talbut**

**Content Area Representatives: David Baird, Daniel Beard, Sonja Davis, Daryl Fridley, Carol McDowell, Tamela Hanebrink, David Smallwood, James Stapleton, Candide Walton, Margaret Waterman, Roseanna Whitlow, Patricia Yancey**

The Department of Middle & Secondary Education has joint responsibility with the relevant academic departments for 5-9, 9-12 and/or K-12 programs leading to certification in the areas listed below as well as Music Education (K-12) and Family and Consumer Sciences Education (Birth-12). Extensive field experiences are an integral part of each program. Additionally, a Master of Arts with a major in Secondary Education and certifications in Teaching English to Speakers of Other Languages, and Speech and Language Specialist (K-12) are available for advanced study. In addition, the department manages an extensive state approved Alternative Certification program.

All programs in teacher education meet state requirements for certification and are fully accredited by the National Council for the Accreditation of Teacher Education (NCATE).

Several student organizations are active. Among them are Kappa Delta Pi (founded in 1925 as the first honorary on campus), Student Missouri State Teachers Association (SMSTA), Missouri National Education Association (MNEA), Student International Reading As-

sociation, Student World Council for Curriculum and Instruction (SWCCD), and Student NCA.

### **MAJORS (B.S.Ed.) MUST BE CHOSEN FROM:**

Art Education (K-12)	Middle School Education (5-9)
Biology Education(9-12)	Physical Education (K-12)
Business Education (9-12)	Physics Education (9-12)
Chemistry Education (9-12)	Social Studies (9-12)
English Education (9-12)	Spanish Education (K-12)
Family/Consumer Sci Ed (Birth-12)	Speech & Theatre Education (9-12)
French Education (K-12)	Unified Science-Biology (9-12)
German Education (K-12)	Unified Science-Chemistry (9-12)
Industrial Education (9-12)	Unified Science-Physics (9-12)
Mathematics Education (9-12)	

## **COLLEGE OF HEALTH AND HUMAN SERVICES**

### **Loretta P. Prater, Dean**

**Department of Aerospace Studies**

**Department of Communication Disorders**

**Department of Criminal Justice and Sociology**

**Department of Health, Human Performance, and Recreation**

**Department of Human Environmental Studies**

**Department of Nursing**

**Department of Social Work**

The College of Health and Human Services is responsible for the management of departments and programs in the rapidly expanding health and human services fields. The College's mission is to provide leadership and support for the teaching, research, scholarship, and service responsibilities of its units.

The College is composed of applied professions that are committed to an interdisciplinary model of education and performance. It strives for an environment in which linkages with other programs, colleges, and schools are desired and encouraged. The College takes a leadership role in encouraging positive and collaborative working relationships between the University and the community.

The College shares the educational responsibility to make available to all students the intellectual resources that will add meaning and interest to their lives; to provide an education which will enable them to make important cultural, social, and economic contributions in their community and state; and to provide an education of a quality and scope that will prepare students for lifelong learning.

The College of Health and Human Services is student, community, and faculty-oriented. Its education is based in the academic disciplines and it graduates students with the flexibility and breadth to adapt to a rapidly changing, multicultural, and technologically oriented environment. The curricula and programs of the College require a mastery of knowledge and problem-solving ability that is basic to human growth, development, and healthy functioning. The thrust of the College is to prepare an ethical professional who is equipped to provide service in a variety of settings, including businesses, homes, schools, hospitals, and community, social, and justice agencies. Health and human services encompass the concern with the quality of human life at all stages of development. These services are directed toward the total person, actualizing throughout the life cycle.

To achieve its mission and as a basis for planning, the College maintains eight purposes. The College will:

Provide undergraduate professional programs that are strongly grounded in liberal education and interdisciplinary cognate knowledge; provide experiences which develop excellent professional knowledge and skills; focus on interactive relationships between theory and practice; provide active experiential learning; develop broad holistic concepts of health and human services throughout the life span and among varying cultures and behaviors; and provide experiences which develop skills in communication, critical thinking and decision-making as they apply to the health and human services professions.

Provide graduate education in those professional areas where developing trends, manpower and regional needs justify and where college and institutional resources are of sufficient quality and quantity to support the development of advanced levels of professional and academic competencies.

Provide undergraduate and graduate programs that actively encourage equal access by a broadly diverse student population.

Design educational services and programs that interface with community, regional, and state agencies and businesses; that extend professional competencies and academic knowledge to constituent groups in the region; and that facilitate and support lifelong learning to enhance quality of life.

Contribute to the advancement of knowledge by facilitating and supporting research, scholarship, innovative teaching and creative endeavors, with appropriate

dissemination throughout the college, university, region, state, nation, and world.

Provide educational leadership in health promotion and the enhancement of the human experience through strong participation in the liberal education of the university student and the total university community.

Encourage professional leadership in the university region, state, nation, and world, through active involvement in the development of research, policy, and legislation that impacts on the health and human services professions and which addresses unique health, social and economic issues in Southeast Missouri.

Maintain and establish professional accreditations, where appropriate and available, to ensure quality and excellence in the health and human services professions.

## ***AEROSPACE STUDIES***

One of four such Air Force ROTC programs in Missouri, Aerospace Studies is a voluntary course leading to a commission as an officer in the United States Air Force. Students not pursuing a commission are also welcome to take the classes. The program is divided into four courses covering an introduction to the US Air Force, Air Force history, leadership and management, national security affairs and preparation for active duty. Air Force ROTC can be accomplished in two, three and four year programs and a number of scholarships are available for qualified applicants.

### **MINOR:**

Aerospace Studies

## ***COMMUNICATION DISORDERS***

**Chairperson: Sakina S. Drummond**

**Faculty: Martha J. Cook, Jane Edwards, Marcia Brown Haims, Jayanti Ray, Joyce Renaud, Kevin Squibb**

The Department of Communication Disorders provides students with a broad-based theoretical foundation in communication disorders at the undergraduate level. This includes a contemporary curriculum in normal processes of human communication as well as evaluation, treatment, and research into human communication and its disorders. Active learning experience is provided through a strong clinical training component within the University Speech and Hearing Clinic.

The graduate program in speech-language pathology is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association. Upon completion of the graduate program,

students are eligible for state and national certification. A broad selection of career challenges is available for professional speech-language pathologists. Career opportunities exist in a variety of professional settings including medical centers, higher education, community-state-federal health services agencies, public schools and private practice.

### **MAJOR:**

Communication Disorders (B.S.)

### **MINOR:**

Communication Disorders

## ***CRIMINAL JUSTICE AND SOCIOLOGY***

**Chairperson: John Wade**

**Faculty: Michael Brown, Andy Fulkerson, Peter Hirschburg, Linda Keena, Autumn Pettit, Carol Veneziano**

The Department of Criminal Justice and Sociology provides undergraduates in Criminal Justice with a core of courses central to the discipline of criminal justice. Students are also exposed to specialized courses as preparation for careers in law enforcement, corrections and security. The department serves more than 300 majors and a large number of students who enroll in criminal justice courses for elective credit.

The Department has an internship program for Criminal Justice majors which provides students with an opportunity to observe professionals in their fields and with practical job experience. Students may continue course work at the graduate level by pursuing the Criminal Justice Administration option of the Master of Science in Administration degree.

The Sociology program offers both minors in Sociology and Criminology.

The Department is recognized for its sponsorship of national and regional meetings and its scholarly activity.

### **MAJORS:**

Criminal Justice (B.S.)

Options: Corrections

Law Enforcement

Security Management

### **MINORS:**

Criminal Justice

Criminology

Social Rehabilitation and Treatment

Sociology

**HEALTH, HUMAN PERFORMANCE,  
AND RECREATION****Chairperson: Joseph Pujol****Faculty: Jeremy Barnes, Daniel Beard, Beth Easter, Craig Elder, Beverly Evans, Thomas Holman, Shewanee Howard, Mark Langenfeld, Ed Leoni, Barry Nicholson, Tim Rademaker, Amanda Sinclair, Seido Sofo, Ronald Williams**

The Department of Health, Human Performance, and Recreation offers a variety of programs that prepare professionals to make an impact on health and wellness throughout the lifespan. Programs address quality of life, health and fitness, teaching, recreation, coaching, and sport issues. Coursework in all majors includes experiential learning opportunities and culminates in a capstone internship experience or student teaching. Graduates work in a wide array of settings including schools, park and recreation departments, sports team organizations, youth agencies, sports medicine and rehabilitation centers, fitness and wellness facilities, and hospitals. Departmental facilities and equipment include well-equipped exercise physiology and athletic training laboratories, as well as a variety of outdoor recreation equipment, to support experiential learning activities. The Athletic Training Education, Physical Education and Recreation programs are fully accredited. The Sport Management major has received program approval from the Sport Management Program Review Council.

**MAJORS:**

Athletic Training (B.S.)  
 Health Management (B.S.)  
     Options: Exercise Science  
                 Health Promotion  
 Physical Education (B.S.Ed.)  
 Recreation (B.S.)  
 Sport Management (B.S.)

**MINORS:**

Coaching  
 Exercise Science  
 Health Promotion  
 Outdoor Adventure Leadership  
 Recreation  
 Sport Management

**PRE-PROFESSIONAL PROGRAM:**

Pre-Physical Therapy

**HUMAN ENVIRONMENTAL STUDIES****Chairperson: Paula R. King****Faculty: Mary E. Ambery, Quantella Anderson, Shelba Branscum, Michelle Brune, Deborah Cohen, Anthony Faber, Amy Freshwater, Sara Garner, Anne Marietta, Marcia Nelms, Carol Nesler, John Pruitt, Sharo Shafaie, Sara Starbuck, Angie Stiegemeyer, Georganne Syler, Rachel Thomson, Patricia Yancey**

The mission of the Department of Human Environmental Studies is to improve the quality of life of individuals and families through courses, career-focused degree programs and service projects that address human needs for food, clothing, shelter and interpersonal relationships. The department is committed to an interdisciplinary model of education and performance. Programs in child development and family studies plus a minor in gerontology are available for those interested in human relationships. All programs include student involvement with model facilities. The Associate's degree in Child Care and Guidance was the first such program offered in Missouri.

An American Dietetic Association-approved undergraduate program plus a post-baccalaureate internship in dietetics is offered by the Department. After completing a post-graduate internship, graduates are eligible to take the registration examination for the Registered Dietitian credential.

The Hospitality Management major prepares students for employment in Missouri's tourism industry. Internships are available through area hotels and restaurants. Close ties with industry are maintained through a student chapter of the Missouri Restaurant Association.

Housing and interior design and fashion merchandising students combine a marketing/management background with their study to become professionals in the business world.

The Family and Consumer Sciences Education degree meets the requirements of the Missouri Department of Elementary and Secondary Education. Students completing this program have a broad-based educational background, in addition to the teaching certificate.

The Eldercare Center, a model day care program for senior citizens, offers students experience in working with the elderly. The Center for Child Studies and the Child Development Center at Sikeston, preschool laboratories, provide diverse practicum experiences for students. Programs associated with the department include Workshop on Wheels, EDUCARE, Childcare

Resource and Referral, Senior Learning Program, SAVVY, APPLE, and the Horizon Day Care Program.

**MAJORS:**

- Hospitality Management (B.S.)
- Human Environmental Studies (B.S.)
  - Options: Child Development
    - Dietetics
    - Family Studies
    - Fashion Merchandising
    - Housing and Interior Design
- Family and Consumer Sciences Education (B.S.Ed.)
- Child Care and Guidance (A.A.)

**MINORS:**

- Child Life Services
- Child Studies
- Family Economics & Management
- Family Studies
- Fashion Merchandising
- Gerontology
- Hospitality Management
- Interior Design
- Nutrition

**NURSING****Chairperson: Marcia Hobbs**

**Faculty: Janet Adams, Twila Brown, Linda Bugle, Kathryn Farwell, Gloria Green, Kathy Ham, Linda Heitman, Elaine Jackson, Lisa Job, Brenda Johnson, Cheryl Kieffer, Bobbi Morris, Ellen O'Rourke, Desma Reno, Julie Sappington, Ann Sprengel, Janet Weber, Madonna Weiss, Terri Woods**

The Department of Nursing offers two nursing degrees: a Bachelor of Science in Nursing (BSN), and a Master of Science in Nursing (MSN). The BSN is approved by the Missouri State Board of Nursing and accredited by the Commission on Collegiate Nursing Education (CCNE). The MSN is accredited by the Commission on Collegiate Nursing Education (CCNE). After passing the national examination, graduates of the BSN program are eligible to apply for licensure as Registered Professional Nurses in all 50 states and the U.S. territories. Within the Bachelor of Science in Nursing there is a baccalaureate completion (RN to BSN) track for registered nurses desiring a Bachelor of Science in Nursing. The RN to BSN track is offered as an on-line program. The focus of the Master's Program is advanced specialty role implementation. The MSN includes Family Nurse Practitioner, Adult Health Clinical Nursing Specialist/Care Manager and Nurse Educator tracks. For more

information, see the Graduate BULLETIN.

Students are provided a variety of learning experiences in classrooms, laboratories and clinical facilities, and are actively involved in all aspects of health care delivery. As the Department continues to develop and expand, faculty provide continuing education for the community, and are developing outreach programs for the service area.

**MAJOR:**

- Nursing (B.S.N.)

**SOCIAL WORK****Chairperson: Michael D. Parker**

**Faculty: Dhira Crunkilton, Priscilla Hornby, Kathie Miller, Walter Paquin, Tiffany Parker, Robert Polack, Jack Stokes**

The principle educational goal of the social work program is to prepare students for beginning generalist social work practice. The generalist curriculum is grounded in the cardinal social work values of human worth and dignity, social and economic justice, diversity, and service. Students acquire the skills, knowledge, and ethics necessary for entry-level social work practice or the pursuit of a graduate degree in the field. The final semester is spent in field education actually working with clients. The social work program at Southeast Missouri State University is fully accredited by the Council of Social Work Education.

**MAJOR:**

- Social Work (B.S.)

**MINOR:**

- Social Work

**COLLEGE OF LIBERAL ARTS**

**Francisco Barrios, Dean  
Gary Miller, Associate Dean**

**Department of Art**

**Department of Communication**

**Department of English**

**Department of Foreign Language and  
Anthropology**

**Department of History**

**Department of Music**

**Department of Political Science, Philosophy and  
Religion**

**Department of Psychology**

**Department of Theatre and Dance**

**Holland School of Visual and Performing Arts**

The College of Liberal Arts provides courses of study in the fine and performing arts, the humanities, and the behavioral and social sciences. Faculty in the nine departments of the College teach most of the liberal arts curriculum offered for all students through the University Studies program. They also teach both in traditional and contemporary applied modes the various disciplines represented in the College, and provide disciplinary substance in art, English, French, German, music, social studies, Spanish, and speech and theatre for the teacher education program.

The roots of liberal arts education reach back to the classical Greek civilization where the role of the autonomous individual thinker as an active social participant emerged. The arts, humanities, and social sciences have evolved as those fundamental disciplines, which inquire into the nature and value of both individual and collective human experience in all of its creative and destructive manifestations. Teaching students to understand and exercise their individual creative capabilities in relation to their moral, political, and social responsibilities as citizens in a democratic and pluralistic environment is at the heart of the faculty's involvement in active learning and scholarship. Helping students reach their full potential for life-long learning and self-realization in the various roles and careers they will pursue is the aim of liberal arts education.

Preparing students for direct entry into initial career employment or for advanced training is the purpose of the structured major programs offered by the College. Some programs, like advertising, graphic design, video production, journalism, historic preservation, music education, or theatre, may lead to employment upon graduation from the baccalaureate curriculum. Other majors, like communication studies, English, French, German, history, music, philosophy, political science, psychology, or Spanish can prepare students for the world of work and graduate study in that or a related field or in a professional school for a career in law, business, medicine, or public administration.

The curricular objectives of the College of Liberal Arts are:

- To improve communication and critical thinking skills.
- To expand the ability to make sound evaluations, responsible judgments, and conscientious commitments.
- To develop aesthetic appreciation and artistic creativity.
- To imbue students with a sense of their history and an appreciation for the

development and values of other societies and cultures as well as our own.

- To enable students to function more effectively and to provide leadership in both interpersonal and public situations.
- To instruct students in sophisticated intellectual modes of analysis and inquiry in order to improve their problem-solving ability and capacity to generate new knowledge.
- To provide learning environments that extend beyond the formal instruction of the classroom or studio into practical experiences and internships as well as the student's daily life.
- To create a community of scholars-teachers-learners as an activity in which faculty members and students participate mutually for their collective benefit and that of society at large.
- To help students integrate their varied courses of study in the university with the objectives of a liberal education for the purpose of achieving greater personal integrity.
- To continue to create new knowledge and share the expertise of the faculty, staff, and students with the community for its enrichment.

## **ART**

### **Chairperson: Patricia Reagan**

**Faculty: Louise Bodenheimer, Ronald Clayton, Stanley Grand, Benjie Heu, Sarah A. Riley, Paul Schock, Katherine Ellinger Smith, Chris Wubbena**

The Department of Art offers courses in graphic design, illustration, painting, drawing, ceramics, print-making, fibers, sculpture, watercolor, art education, computer imaging/animation, art history and new genre. Following basic study in a foundation curriculum and upon successful completion of the foundation review, students may choose an elective sequence of courses from eight areas in the B.F.A. program or a program leading to a B.A. Liberal Arts degree, or electives leading to a B.S. in Education. Those interested in art history may select classes which consider periods from ancient art to twentieth century developments. Art majors are required to enter two works every year in the Juried Student Assessment Exhibition and to complete the senior B.F.A. project.

**MAJOR:**

Art (B.A., B.F.A., B.S.Ed.)

**MINOR:**

Art/Art History

**COMMUNICATION****Chairperson: Stuart Towns**

**Faculty: Tamara Baldwin, Tamara Zellars Buck, Ellen Dillon, James Dufek, Sherrie Farabee, Susan Gonders, Karie Hollerbach, Jennifer Icaza-Gast, Fred Jones, Don Jung, Karen Kight, Doug McDermott, Bruce Mims, Larry Underberg, Michael Weatherson, Roseanna Whitlow, Glen Williams, Cindie Jeter Yanow,**

The Department of Communication offers majors in Mass Communication, Communication Studies and Corporate Communication. The Mass Communication program has a general core of study and options in Advertising, Journalism, Public Relations, Radio, and Television and Film within the traditional framework of the liberal arts. The Mass Communication options are professional and are nationally accredited by the Accrediting Council on Education for Journalism and Mass Communications and certified by the Public Relations Society of America. These five professional study options help equip students for careers in the mass media or support industries of advertising and public relations. There is also a minor in Mass Communication.

Students interested in Communication Studies or Corporate Communication study both classical and contemporary theories of human communication. By developing skills in interpersonal and small group communication, organizational communication, and public communication, students prepare themselves for a variety of activities and careers which require skilled communicators. A forensics program, emphasizing debate activities, is available for students to test their knowledge and skills in intercollegiate competition and is especially recommended for those planning a legal career. The forensics program and membership in Pi Kappa Delta, the forensics honorary, are open to majors and non-majors.

In addition to formalized internships, laboratory experiences are available through the weekly student newspaper, the CAPAHA ARROW; a closed-circuit television channel; a department-operated low-power FM station, KDMC 103.7; and the video production facility.

**MAJORS:**

Communication Studies (B.A.)  
Corporate Communication (B.S.)

Mass Communication: Journalism (B.A.)

Mass Communication (B.S.)

Options: Advertising  
Public Relations  
Radio  
Television and Film

**MINORS:**

Communication for Legal Professionals  
Communication Studies  
Mass Communication

**ENGLISH****Chairperson: Carol Scates**

**Faculty: Roger Arpin, John Campbell, Karen Carcia, Stephanie Chamberlain, Sonja Davis, Thomas Eaton, Jacob Gaskins, Robert Hamblin, Dale Haskell, Harvey Hecht, Dean Monahan, Shiela Pardee, Pennie Pflueger, Debrah Raschke, David Reinheimer, Chris Rieger, Susan Swartwout, Irina Ustinova, Robert Zeller, Deqi Zen**

Study in the Department of English centers on writing, literature, and linguistics. Those with special interest in composition will find courses in creative writing, practical and professional written communication, styles of writing, and rhetorical theory. For students whose primary concern is with literature, the Department offers work in British, American, and World prose, poetry, and drama. Also available for those preparing to teach English are courses in techniques of teaching English, Linguistics, and studies in English as a Second Language.

**MAJORS:**

English (B.A.)  
Options: Literature  
Writing  
English (B.S.Ed.)

**MINORS:**

Literature  
Small Press Publishing  
TESOL  
Writing

**FOREIGN LANGUAGES AND ANTHROPOLOGY****Chairperson: Dieter Jedan**

**Faculty: Beth Adkins, Warren Anderson, Gabriele Eckart, Debra Lee-DiStefano, Daniel MacLeay, Margarita Merget, Carol Morrow, Michael Roark, David Smallwood, Alice Strange**

The Department of Foreign Languages and Anthropology offers major and minor programs in Anthropology, French, German, Global Studies, and Spanish, as well as minor programs in Archaeology, Geography and International Studies. Opportunities for study abroad may be sought through the department. A variety of internships, here and abroad, are available to our majors.

Through classroom work, field experiences, internships, and guided independent study, Anthropology majors and Archaeology minors are trained in cultural studies and ethnographic methodology, archaeological theory and methods, physical anthropology and linguistics, toward preparation for an advanced degree in a specialized area of Anthropology or for an entry-level position in the field.

The Foreign Language program emphasizes communication skills, literature, and culture studies to prepare students for graduate study and for entry-level positions in import/export, business, translation/interpretation, government, and teaching. Courses are also available in commercial French, German and Spanish.

The Global Studies program provides students the opportunity to enhance their current academic program with an international and global emphasis. The program encourages students to expand their international awareness by providing national and global exposure to their career field.

The Geography minor emphasizes both cultural and political aspects of the world, providing students with a better understanding of the physical world and its inhabitants. The minor offers students marketable skills and the broad perspectives on environment and society that enable graduates to move beyond entry-level positions and that provide students a sound foundation for graduate studies in fields such as geography, business, land use planning, law and medicine.

**MAJORS:**

Anthropology (B.A.)  
 French (B.A., B.S.Ed.)  
 German (B.A., B.S.Ed.)  
 Global Studies (B.A.)  
 Spanish (B.A., B.S.Ed.)

**MINORS:**

Anthropology  
 Archaeology  
 French  
 Geography  
 German  
 International Studies  
 Spanish

**HISTORY****Chairperson: Joseph Werne (Interim)**

**Faculty: David Briggs, J. David Cameron, Eric L. Clements, Dalton Curtis, Larry Easley, Daryl Fridley, Laurie Hamblin, Steven Hoffman, Frank Nickell, Joel Rhodes, Christopher Schnell, Bonita Stepenoff,**

In addition to a curriculum for traditional careers in history, the Department of History offers expanding, innovative programs in response to the changing needs of students. From ancient times to the twentieth century, from African studies to local history, the diversity of faculty preparation and scholarly activity encourages the development of student interests. The Department also offers a major in historic preservation and is the advising department for the B.S. in Education-Social Studies.

**MAJORS:**

Historic Preservation (B.S.)  
 History (B.A.)  
 Social Studies (B.S.Ed.)

**MINORS:**

Historic Preservation  
 History

**MUSIC****Chairperson: Christopher Goeke**

**Faculty: Barry Bernhardt, Brandon Christensen, Robert Conger, Michael Dean, Sara Edgerton, Johnson Egbert, Robert Fruehwald, Marc Fulgham, Steven Hendricks, Leslie Jones, Carol McDowell, Gary Miller, Shane Mizicko, Jeffrey Noonan, James Sifferman, Paul Thompson, Matthew Yount**

The Department of Music offers the Bachelor of Arts in Music for students who wish to integrate music with studies in other disciplines; the Bachelor of Music for students who wish to perform professionally; and the Bachelor of Music Education for students who wish to teach public school music. All music degree programs prepare students for graduate and advanced professional studies.

Through its wide variety of ensembles and liberal arts oriented music courses, the department provides opportunities for all students, regardless of academic major, to develop their musical potential, to pursue their musical interests and to fulfill their lifelong vocational and avocational musical goals. Through its varied activities, the department enriches the musical life of the university and the community.

Students who wish to declare music as their major must meet the admission requirements of the university and of the department. A performance audition before applied music faculty of the appropriate area is required. Acceptance in a music degree program is contingent upon the demonstration of a basic level of competency in a performance medium, the ability to read musical notation, the ability to hear and reproduce pitches, the recommendation of a music professional, and the approval of the music faculty. Specific audition and admission requirements may be obtained from the department office.

All students wishing to advance in each program of study must earn a grade of "C" or better in all courses in the major. Students who fall below 3.0 in the major will be placed on notice as subject to dismissal from their program of study after two successive semesters if the GPA has not been raised to 3.0. All students are advanced in applied music competency level by a juried performance at the end of each semester.

**MAJORS:**

Music (B.A.)

Music (B.M.)

Options: Composition

Instrumental Performance

Vocal Performance

Music Education (B.M.E.)

**MINOR:**

Music

***POLITICAL SCIENCE, PHILOSOPHY AND RELIGION*****Chairperson: Hamner Hill**

**Faculty: Rickert Althaus, Gary Cesarz, Christy Ferrell, Mitchel Gerber, Albert Hayward, Debra Holzhauser, Tomoaki Nomi, Russell Renka, Bambi Robinson, Brian Smentkowski, Jeremy Walling**

The Department of Political Science, Philosophy, and Religion offers both a Bachelor of Arts and a Bachelor of Science with majors in Political Science, a Bachelor of Arts with a major in Philosophy, and minors in Political Science, Public Administration, Philosophy, and Religious Studies. The department has all the major fields in Political Science: American Politics, Comparative Politics, International Relations, Political Theory, and Public Administration. The Department serves the University with pre-law advising to assist all students planning a legal career. The Public Administration Program focuses on public employment, and is strongly supported by internships in government and

not-for-profit institutions. The Philosophy program includes study in the traditional areas of history, logic, and ethics, and offers advanced study in philosophy of law, aesthetics, philosophy of science and contemporary philosophy. The program is broad based and encourages the development of literary and conceptual skills together with appreciation for the best of humanistic scholarship. A major in philosophy provides excellent preparation for students wishing to do graduate work in philosophy, business and law. The department provides a strong contribution to the University Studies program with offerings at the upper and lower division aesthetics, philosophical classics, ethics, logic, American government, comparative politics, social philosophy, Old and New Testament literature and world religions. The department also offers a wide range of courses in applied ethics (business, environmental, media, and medical ethics), political theory, jurisprudence, and holocaust studies.

**MAJORS:**

Philosophy (B.A.)

Political Science (B.A., B.S.)

**MINORS:**

Philosophy

Religion

Political Science

Public Administration

***PSYCHOLOGY*****Chairperson: Leslee Pollina**

**Faculty: Douglas Atwood, Richard A. Burns, Ken Callis, Lawrence Clark, Laura Delgado, Phillip Finney, Jennifer Gadberry, Wayne Hoover, Norman Kinney, Paul Lloyd, Gail Overbey, Rickard Sebby, William E. Snell, Jr., Dora Weaver**

The Department of Psychology offers an undergraduate major that leads to the Bachelor of Science degree. The goal of this program is to provide a common set of learning experiences that characterize the breadth and diversity of the discipline. The program establishes a solid foundation for a variety of career goals including those which involve graduate education in psychology. In addition to preparing our majors for graduate education and careers in human services, our courses support many other undergraduate programs including business, criminal justice, education, and nursing. Departmental courses also support graduate programs throughout the university and the core curriculum and upper-level interdisciplinary curriculum of the University Studies Program.

Faculty in the department represent a wide range of professional interests. Many are involved in professional activities, including both scholarly research and leadership in professional organizations. Numerous service activities are provided to the surrounding area by faculty members in the department.

The department sponsors two student organizations: Psychology Club and Psi Chi, the national honor society in psychology. Membership in the Psychology Club is open to all interested students; membership in Psi Chi is by invitation to students who meet its academic requirements. Both organizations provide opportunities for students to become involved in the discipline and profession of psychology. The department and student organizations coordinate the annual Southeast Missouri State University Student Research Conference.

**MAJOR:**

Psychology (B.S.)

**MINORS:**

Psychology: Applied

Psychology: Developmental

Psychology: General

Psychology: Psychological Services

**THEATRE AND DANCE****Chairperson: Rhonda Weller-Stilson**

**Faculty: Robert W. Dillon, Jr., Judith Farris, Lees Hummel, Jeff Luetkenhaus, Philip Nacy, Hilary Peterson, Marc Strauss, Kenneth Stilson**

The Department of Theatre and Dance offers students an intensive pre-professional training program in the performing arts within the context of a liberal arts education designed to prepare students for advanced educational programs, internships, and the professional performing arts market.

The department's programming is divided into three major areas:

- training
- production
- professional development (i.e., internships, professional master classes and employment.)

Opportunities for experiential learning abound as most courses in the curriculum emphasize hands-on instruction. Theatre and dance offerings include a variety of sequential courses in acting, choreography, dance, design, directing, musical theatre, technical theatre, and dance and theatre history and literature.

As part of the Holland School of Visual and Performing Arts, the department annually produces six major, faculty-directed/choreographed productions, resulting in

ample opportunity for students to gain technical and performance experience in the River Campus Cultural Arts Center, a new state-of-the-art professional facility with numerous classrooms, construction, rehearsal, and performance spaces.

Finally, the department regularly incorporates outside professional companies and guest artists into its normal on-campus programming, and it strongly emphasizes student professional development through outside internships, master classes, conventions, festivals, and semester-long employment.

**MAJORS:**

Performing Arts (B.F.A.)

Options: Acting/Directing

Dance

Design/Technology

Musical Theatre

Speech & Theatre Education (B.S.Ed.)

Theatre & Dance (B.A.)

**MINORS:**

Dance

Theatre: Acting/Directing

Technical Theatre

Theatre (General)

**COLLEGE OF SCIENCE AND MATHEMATICS**

**Chris W. McGowan, Dean  
Jai N. Dahiya, Associate Dean**

**Department of Biology**

**Department of Chemistry**

**Department of Computer Science**

**Department of Mathematics**

**Department of Physics and Engineering Physics  
Program in Environmental Science**

The College of Science and Mathematics offers high-quality programs of instruction in the physical and natural sciences, computer science, environmental science, and science education. The program in chemistry is certified by the American Chemical Society (ACS) and the one in Physics and Engineering Physics has been accredited by the Accreditation Board of Engineering Technology (ABET). The foundation of these programs is an active faculty of teacher-scholars supported by well-equipped laboratories. Modern technology, including up-to-date-computers, is integrated throughout the curricula and in faculty and student research. External funding of research in the College is substantial and increasing, providing outstanding opportunities for undergraduate

involvement. Service to our region is provided by the College through the Linda Godwin Center of Science and Mathematics Education, the NASA Education Resources Center, the Center for Environmental Analysis and the Applied Statistics Center. The College Advising Center provides excellent opportunities to students for selecting major fields of studies.

The curricular objectives of the College of Science and Mathematics are:

- To offer modern, current, and excellent instruction of adequate breadth in the respective disciplines.
- To maximize the learning experience of all students in the college utilizing scientific methods through provision of modern laboratory and field experiences of the highest quality.
- To promote the involvement of students in high quality experiential learning experiences including undergraduate research and/or internships.
- To provide alone, and in consort with other colleges, high quality pre-professional, vocational, and outreach programs of regional and timely significance.
- To provide exemplary instruction in science, mathematics, global issues and technology for students satisfying University Studies requirements.
- To enhance access throughout the service region.
- To provide service to the region and enhance the University community.
- To promote international exchange of faculty and students.
- To promote diversity in terms of students, staff and faculty.

## **BIOLOGY**

**Chairperson: William Eddleman**

**Faculty: Allan Bornstein, Ellen Sue Brockett, Marilyn Burluson, James Champine, Christina Frazier, Allen Gathman, Frederick Janzow, Alan Journet, Timothy Judd, John Kraemer, Walt Lilly, Stephen Overmann, James Robins, John Scheibe, David Starrett, Lucinda Swatzell, Michael Taylor, Margaret Waterman, Diane Wood**

The Department of Biology programs are supported by a 150-acre sanctuary known as the I.R. Kelso Wildlife Sanctuary and an 8-acre Juden Creek Natural

History Area. The sanctuary and the surrounding area provide rich reserves for field studies. Students interested in wildlife biology will find opportunity to select an appropriate course of study. The Department is also affiliated with the Gulf Coast Research Laboratory (Mississippi) and the Reis Biological Station (Missouri Ozarks). These affiliations provide unique coursework opportunities. Student research opportunities are strongly encouraged by the faculty. Student interest groups such as the Biology Club, the Southeast Student Medical Society, Student Chapter of the Wildlife Society, and Tri-Beta, the biology honorary society, are supported by the Department.

### **MAJORS:**

Biology (B.S.)

Options: Biomedical Sciences

General Biology

Microbiology, Cellular and Molecular

Biology and Biotechnology

Organismal, Ecological, and

Evolutionary Biology

Wildlife and Conservation

Biology Education (B.S.Ed.)

Options: Biology Education

Unified Science

### **MINORS:**

Biology

Botany

Microbiology

Zoology

### **PRE-PROFESSIONAL PROGRAMS:**

Pre-Chiropractic

Pre-Dentistry

Pre-Medicine

Pre-Optometry

## **CHEMISTRY**

**Chairperson: Philip Crawford**

**Faculty: Mohammed Ali, Marcus Bond, Matthew Fasnacht, Bruce Hathaway, James W. McGill, Chris McGowan, Bjorn Olesen, David Ritter, Michael Rodgers, Donna Speck, Rachel Morgan-Theall**

The Department of Chemistry is fully accredited by the American Chemical Society and provides students access to a program of study, facilities, and instructional staff which meet the standards of the world's largest scientific society. The department also works with students interested in our PrePharmacy and Medical Technology programs.

Our students interact and work closely with the faculty both in and out of the classroom. Many students work as laboratory assistants and graders. Students also work on research projects. They have opportunities to give presentations at professional meetings and to co-author published articles. The Missouri State Highway Patrol Troop E Crime Laboratory, which was formerly affiliated with the department, gives students opportunities to explore forensic science. Our student affiliate chapter of the American Chemical Society also promotes an interactive faculty-student environment through both professional and social activities.

**MAJORS:**

Chemistry (B.A.)

Options: Chemistry

DNA Analysis

Forensic Science

Chemistry (B.S.)

Options: American Chemical Society

Certified Chemistry

Biochemistry

Business

Chemistry

Forensic Chemistry

Chemistry Education (B.S.Ed.)

Medical Technology (B.S.)

**MINOR:**

Chemistry

**PRE-PROFESSIONAL PROGRAM:**

Pre-Pharmacy

**COMPUTER SCIENCE****Chairperson: Donald Bagert**

**Faculty: Xiaobing Hou, Ziping Liu, David Naugler, Carole Pfeiffer, Kamayasamy Surendran, Xuesong Zhang**

The Department of Computer Science has programs designed to provide students with the skills necessary for entry-level positions in a variety of computer science areas or for graduate study and the basic knowledge needed throughout their professional careers. Employment opportunities remain high for program graduates. Minors in Computer and Science and Information Systems are available to those wishing to use computers in their chosen profession.

Because Computer Science is a rapidly expanding field, the faculty engages in applied research for peer review and publication, participate in professional and consulting activities, and serve the university and professional community in numerous activities. The

Department also sponsors the student Computer Science Club.

**MAJORS:**

Computer Information Systems (B.S.)

Computer Science (B.S.)

**MINORS:**

Computer Science

Information Systems

**ENVIRONMENTAL SCIENCE****Stephen Overmann, Director**

**Content Area Representatives: Christine Aide, Michael Aide, Mohammed Ali, Allen Bornstein, James Champine, Philip Crawford, Gary Cwick, William Eddleman, Matthew Fasnacht, Christina Frazier, Hamner Hill, Debra Holzhauer, Alan Journet, Tahsin Khalid, John Kraemer, Chris McGowan, David Starrett, Bonnie Stepenoff, John Tansil, William Weber, Diane Wood, Robert Zeller**

Environmental Science is an inter-departmental program based in the College of Science and Mathematics, but with participating faculty from other colleges within the University. Environmental issues are extraordinarily complex, involving scientific, economic, legal, ethical, health, and social concerns. The diversity of expertise among the environmental faculty is recognition of the need for a multi-disciplinary approach to environmental issues.

Assurance of a quality environment for ourselves and future generations must rank among the most important needs of society. Challenges to environmental quality are evident at the regional, state, national, and global levels. Governments, businesses and industries, and societal organizations at all levels have mobilized to meet these environmental challenges. Correspondingly, there is a societal need for personnel specifically educated and trained to act as leaders in efforts to address and resolve these difficult environmental issues.

The primary goal of the Environmental Science program is to prepare graduates for leadership positions in the environmental science professions in the 21st century. Graduates of the program will be prepared for competitive placement in entry-level positions in the environmental field and for competitive admission to graduate and professional school programs related to the environmental field.

**MAJOR:**

Environmental Science (B.S.)

**MINORS:**

Environmental Science

Environmental Studies

**MATHEMATICS****Chairperson: Victor Gummersheimer**

**Faculty: W. Y. Chan, Trenton Crews, Paul Deiermann, Richard Francis, Sunshine Gibbons, Tamela Hanebrink, Avelina Lichtenegger, Cheryl McAllister, James McEwen, Timothy Ray, Craig Roberts, Robert Sheets, Pradeep Singh, Stuart Swope, Linda Tansil, Mohan Tikoo, Thomas Wallgren, Candide Walton, Haohao Wang, Jerzy Wojdylo**

The Department of Mathematics is supported by a computer laboratory and the Mathematics Learning Center. It offers a program in developmental mathematics to students with deficiencies in their preparation for college-level work. Independent investigations in mathematics are strongly encouraged by the faculty. In addition to its academic programs, the Department sponsors two student organizations called the Mathematics Club and the Southeast Missouri Student Educators of Mathematics Organization.

**MAJORS:**

Mathematics (B.S.)

Options: Pure Mathematics

Applied Mathematics &amp; Statistics

Mathematics (B.S.Ed.)

**MINOR:**

Mathematics

**PHYSICS & ENGINEERING PHYSICS****Chairperson: David Probst**

**Faculty: C. Christine Aide, Michael Cobb, Gary Cwick, Jai Dahiya, Santaneel Ghosh, Margaret Hill, Ernest Kern, Jian Peng, John Tansil, Yumin Zhang**

The Department of Physics and Engineering Physics offers three degree programs, all of which are designed to produce graduates prepared to achieve the following objectives:

1. Graduates will be successful professionals.
2. Graduates will be effective communicators.
3. Graduates will be life-long learners.
4. Graduates will be socially engaged citizens.

In addition, students will achieve a set of outcomes listed on the departmental website at <http://www6.semo.edu/pep/index.asp>. The Bachelor of Science degree in Engineering Physics is accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology

(ABET) (111 Market Place, Suite 1050, Baltimore, MD 21202-4012, (410) 347-7700). The EAC of ABET is the sole accrediting body for engineering programs in the United States (see [www.abet.org](http://www.abet.org)). Engineering Physics is an interdisciplinary program that combines physics and computer, electrical or mechanical engineering, depending upon the option. Also offered are a Bachelor of Science degree in Physics and a Bachelor of Science in Education with a major in Physics. In addition, the department offers minors in Engineering Physics, Environmental Soil Science, Physics and Geoscience and it coordinates the pre-engineering program in which students study for two years at Southeast then transfer to an engineering school to finish their degree.

Well-equipped laboratories and a variety of audio-visual resources support instruction in the department. The use of computers is emphasized in all programs, both as instructional tools and as components of laboratory experiments. Student research and independent study are strongly encouraged and supported by the faculty. The department sponsors the Physics and Engineering Club, the Rocketry Club, the Society of Physics Students, a national student organization, and Sigma Pi Sigma, the national physics honor society.

**MAJORS:**

Engineering Physics (B.S.)

Options: Computer Applications

Electrical Applications

Mechanical Applications

Physics (B.S.)

Physics Education (B.S.Ed.)

**MINORS:**

Engineering Physics

Environmental Soil Science

Geoscience

Physics

**PRE-PROFESSIONAL PROGRAM:**

Pre-Engineering

**SCHOOL OF POLYTECHNIC STUDIES****Randall Shaw, Dean****Department of Agriculture  
Department of Industrial & Engineering  
Technology**

Today's industrial and agricultural environment is vast, dynamic, and highly dependent on technology. It is impossible to imagine sending graduates out into today's complex society without the very latest technical and management skills. Industrial and agriculture careers require skilled individuals with post-secondary degrees who can apply and manage technology to solve problems, and who can continue to learn and adjust to changes in technology as related to their positions.

At Southeast, technology is one of the hallmarks. The School of Polytechnic Studies was created in 1999 in recognition of the need for an educational unit that focuses on meeting the technical and management needs of industry and agriculture of the region. The Otto and Della Seabaugh Polytechnic Building is a state-of-the-art facility that has the finest classrooms, laboratories and equipment in an ergonomic setting designed to promote student learning.

The degree programs offered by the Department of Agriculture and Department of Industrial and Engineering Technology prepare graduates for a variety of career fields in the vast spectrum of today's changing high-tech society. The quality of the Department of Agriculture's programs and graduates are recognized regionally and nationally. Programs in the Department of Industrial and Engineering Technology are accredited by the National Association of Industrial Technology and the Accreditation Board of Engineering and Technology. They also bring recognition to the department as a Missouri Center of Excellence in Advanced Manufacturing Technology.

The School of Polytechnic Studies is committed to combining traditional classroom learning with actual, real-world experience in order to make our students more marketable upon graduation. The internship and student research programs, the University Farms, Rice Research Station and the new Charles L. Hutson Agriculture Greenhouses provide excellent opportunities to combine classroom theory and practical experience. It is truly an exciting time to begin a career in programs offered by the School of Polytechnic Studies.

The School's undergraduate programs are designed around the following objectives:

- Provide a curriculum that prepares students

for technical and management-oriented employment.

- Provide state-of-the-art laboratory and internship experiences for students to develop linkages between theory and practice.
- Develop skills in communications, critical thinking, problem solving, leadership and teamwork.
- Encourage and provide support for faculty through professional and applied research activities, to keep them current with content relevant to their instructional area of responsibility.
- Utilize faculty and student expertise in providing assistance to industries in the area.

**AGRICULTURE****Chairperson: Michael Aide****Faculty: Donn Beighley, Indi Braden, Kim Dillivan, William Ellis, Wesley Mueller, Paul Schnare**

The Department of Agriculture's teaching laboratories are supported by the new University Research Farm, the Charles L. Hutson Agricultural Greenhouses, the turf plot facility, the Rice Research Station and the All-America Selections Display Garden. An internship or undergraduate research project is required. The Department places a priority on interaction with students outside the classroom in experiential learning settings. Student groups, including the Agriculture Club, the Horticulture Club, Golf Course Superintendents Association of America Club, the Pre-Veterinary Medicine Club, Delta Tau Alpha (national agriculture honorary society), and a Collegiate Farm Bureau chapter are actively supported.

**MAJORS:**

Agribusiness (B.S.)

Options: Agriculture Industry  
Animal Science  
Horticulture  
Plant & Soil Science

**MINORS:**

Agriculture  
Companion Animals  
Horticulture  
Soils

**PRE-PROFESSIONAL PROGRAMS:**

Pre-Veterinary Medicine  
Pre-Vocational Agriculture Education

## **INDUSTRIAL & ENGINEERING TECHNOLOGY**

**Chairperson: Ragu Athinarayanan**

**Faculty: David Baird, Bryan Bowers, Gregory Boyd, Bradley Deken, John Dudley, Deepak Gupta, Xiaobing Hou, Doug Koch, Kevin McMeel, Sophia Scott, Randall Shaw, Shaojun Wang, Shuju Wu, Angran Xiao**

The Department of Industrial & Engineering Technology's Industrial Technology major is accredited by the National Association of Industrial Technology (NAIT) and prepares technical and technical management-oriented professionals for employment in business, industry, education, and government. The Engineering Technology program is accredited by the Accreditation Board of Engineering and Technology (ABET). The Department maintains a close association with local industry through an advisory committee, internship program, research program, and Society of Manufacturing Engineers (SME) parent chapter in St. Louis. The department also hosts a variety of student extra-curricular activities through the Club TEC student organization. The Department is committed to providing students hands-on problem solving experience on the latest technologies. A high-tech Automated Manufacturing System Lab is an example of technology available to students. The department also offers a Master of Science degree in Industrial Management.

The Engineering Technology degree is designed around the following objectives:

- Gain technical proficiency in the engineering technology practice and engage in life-long learning.
- Effectively use technology for problem solving, decision making, implementation, management, and optimization of systems and processes.
- Work effectively in a team environment.
- Maintain the highest ethical and professional standards with commitment to protect the public interest, safety, and the environment.
- The Industrial Technology degree is designed around the following objectives:
- Apply theories, concepts, and principles in humanities, social and behavioral sciences to communicate effectively.
- Apply principles and concepts of mathematics, science, and computer applications for problem solving.
- Develop expertise in materials and production

processes, industrial management, human relations, marketing, communications, electronics, graphics, computer applications, and industrial safety.

- Specialize in a technological field.

### **MAJORS:**

Engineering Technology (B.S.)

Options: Electrical & Control

Mechanical & Manufacturing Systems

Industrial Technology (B.S.)

Options: Computer and Multimedia

Graphics

Construction Management & Design

Facilities Management

Industrial Management

Technology Management

Telecommunications and Computer Networking

Industrial Education (B.S.Ed.)

Computer Technology (A.A.S.)

Options: Automated Manufacturing

Microcomputer Systems

Technical Computer Graphics

### **MINORS:**

Architectural Design

Commercial Photography

Computer Networking

Electronic Technology

Graphic Communications Technology

Industrial Management

### **TWO YEAR CERTIFICATES:**

Design Drafting

Electronics

Graphic Technology

### **PRE-PROFESSIONAL PROGRAM:**

Pre-Architecture