

# College Information



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

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**Gary Johnson, Dean (Interim)**

**Department of Accounting**

**Department of Economics and Finance**

**Department of Management and Marketing**

**Office of International Studies in Business**

**The Center for Economic and Business Research**

**The Center for Innovation and Entrepreneurship**

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, 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, including discipline-based scholarship, contributions to practice, and pedagogical research. 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 Innovation and Entrepreneurship 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 contributions, 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. International Accreditation by the Network of International Business Schools (NIBS) complements accreditation by AACSB and reinforces the college's global perspective.

## **ACCOUNTING**

**Chairperson: Leisa L. Marshall**

**Faculty: Deborah Beard, Sean Eom, Pam Gershuny, Roberta Humphrey, Gary Johnson, Christine Ladwig, Rebecca Lohmann, Charles McAllister, Lori Mueller, Gillian Nicholls, Alisha Youngblood Ortiz, Richard Palmer, Dana Schwieger, Gangaraju Vanteddu, Anthony Varnon, Jill Young**

The Department of Accounting meets the need for a quality undergraduate accounting 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. Those completing the major in accounting have the foundation to pursue professional certification and a career in public, corporate or non-profit accounting. 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 also 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.)

### **MINORS:**

Accounting

Business Law

Supply Chain Management

## **ECONOMICS AND FINANCE**

**Chairperson: Rebecca Summary**

**Faculty: Fred Adjei, Michael Devaney, Benjamin Dow, Brian Gehring, Natallia Gray, David Kunz, Kang Hoon Park, Willie Redmond, William Weber, David Yaskewich**

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 Finance and Economics 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: James Caldwell, John Cherry, Kevin Dickson, Erin Fluegge-Woolf, Peter Gordon, Kenneth Heischmidt, Nancy LeGrand, Ismatilla Mardanov, Heather McMillan, James Ricks, Foster Roberts, Sandipan Sen, James Stapleton, 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 BSBA degree majors of management, marketing, business administration, healthcare administration and international business and the BS major in Healthcare Management. 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 or Management. Students choosing to major in Marketing concentrate in one of three options: Marketing Management, Integrated Marketing Communications or Sales Management. 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. Sales Management involves leading and managing the personal selling efforts of an organization.

The Business Administration major is designed to provide a comprehensive understanding of the business process. This major accommodates business majors who need to take their courses online and is ideal for those seeking a general business major on a part-time basis.

The International Business major is interdisciplinary in nature and promotes an understanding of the cultural, financial, managerial, marketing and economic environment of international business.

The BSBA degree with a major in Healthcare

Administration focuses on how the functional areas of business (finance, management, accounting, marketing and economics) operate within the complex healthcare environment.

The BS degree with a major in Healthcare Management offers a focus area (option) in either Quality and Patient Safety or Informatics.

The department administers several minors, including those closely related to majors in Marketing and Management and three minors representing the broad discipline of business: Entrepreneurship, International Business and Business Administration. 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 minor in International Business emphasizes multi-disciplinary perspectives of international business practices.

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: DECA, Redhawks CEO, HR Redhawks and the International Business Club. 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:**

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

#### **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**

**Diana Rogers-Adkinson, Dean**

**Department of Educational Leadership and Counseling**

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

**Department of Middle & Secondary Education**

The mission of the College of Education is to prepare teachers, leaders and counselors as highly effective professionals who possess a passion for life-long learning. 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 the 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 is fully accredited by the Council for the Accreditation of Educator Preparations (CAEP) and approved by the Missouri Department of Elementary and Secondary Education (DESE). Additional, our programs enjoy national recognition for excellence by their respective specialized professional Associations (SPAs). Counselor Education is also recognized by CACREP accreditation.

The college faculty enjoys national visibility for many of its programs, faculty research and programmatic activities. The college is a member of the Teacher Education Council of State Colleges and Universities (TECSCU).

The college is a recognized leader in the International Reading Recovery Program. The Reading Recovery program is part of the Missouri Early Literacy Intervention Program (MSELIP).

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;
- Online and off-campus courses at the undergraduate and graduate level;
- International (50 countries) and American Indian Reservation student teaching opportunities;
- Transitional and Alternative Certification programs for non-traditional students;
- National assessment of all earned degree graduates in teaching and education administration.
- Southeast Missouri Autism Center for Assessment and Intervention of Children and Adults with Autism Spectrum Disorders.

The college is committed to excellence in all areas of licensure. All candidates for teacher education licensure must pass the required state assessments. State Regulations can and do change and all teacher education candidates must meet the state of Missouri MOSPE standards to complete this program. Current Missouri requirements can be found online at <http://dese.mo.gov/eq/>. Education advisors support students in understanding how to meet those standards.

## **EDUCATIONAL LEADERSHIP AND COUNSELING**

**Chairperson: C.P. Gause**

**Faculty: Lisa Bertrand, Margaret Dalton, Julieta Monteiro-Leitner, Margaret Noe, Melissa Odegard-Koester, Travis Smith, David Stader, 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: Julie Ray**

**Faculty: Nancy Aguinaga, Candee Baker, R. Larry Bohannon, Susan Davis, Sharon Dees, Amy Freshwater, Cynthia Gordinier, Ann Graham, Sharon Gunn, Tahsin Khalid, Dixie McCollum, Neal Nghia Nguyen, Debra Porter, Jamie Severtson, Shonta Smith, 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), early childhood (birth-grade 3) 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, with the option of adding elementary education (grades 1-6).

### **MAJORS:**

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

### **CERTIFICATE:**

- Autism Spectrum Disorder Certificate
- Teaching Assistant Preparation Certificate – Elementary or Special Education

## **MIDDLE & SECONDARY EDUCATION**

**Chairperson: Simin Cwick**

**Faculty: Jean Benton, William Bratberg, Daryl Fridley, David Powell, Alberta Sautter, Robin Smith**

**Content Specialists: Patricia Farrish, Carol Horst, Courtney, Kisat, Debra Lee-DiStefano, David Mauk, Belinda McMurry, Mary Mims, Adolfo Ramos, Candide Walton, Christine Warren, Margaret Waterman**

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 Educational Studies and Educational Technology and certifications in Teaching English to Speakers of Other Languages, and Speech and Language Specialist (K-12) are available for advanced study. 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 Association, Student World Council for Curriculum and Instruction (SWCCD), and Student NCA.

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

- Agriculture Education (9-12)
- Art Education (K-12)
- Biology Education(9-12)
- Chemistry Education (9-12)
- English Education (9-12)
- Family/Consumer Sci Ed (Birth-12)
- French Education (K-12)
- German Education (K-12)
- EngineeringTechnology Education (9-12)
- Mathematics Education (9-12)
- Middle School Education (5-9)
- Music Education (K-12)
- Physical Education (K-12)
- Physics Education (9-12)
- Social Studies (9-12)
- Spanish Education (K-12)
- Unified Science-Biology (9-12)
- Unified Science-Physics (9-12)

#### **CERTIFICATE:**

- Teaching Assistant Preparation Certificate – Middle or Secondary Education

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

### **Morris Jenkins, 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 Military Science**
- 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**

### **Chairperson: Michael Holt**

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. Scholarships are available for qualified applicants.

#### **MINOR:**

Aerospace Studies

## **COMMUNICATION DISORDERS**

### **Chairperson: Marcia Brown Haims (Interim)**

#### **Faculty: Martha J. Cook, Judy McLain, Jayanti Ray, Joyce Renaud, Kevin Squibb, Julie Tipton**

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 Center for Speech and Hearing.

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 choices 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:**

Autism Studies

Communication Disorders

**CRIMINAL JUSTICE AND SOCIOLOGY****Chairperson: Jeremy Ball****Faculty: Raleigh Blasdel, Diana Bruns, Andrew Fulkerson, Morris Jenkins, Michelle Kilburn, Carl Kinnison, Laura Krieger, Carol Veneziano, John Wade**

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 and corrections. The department serves more than 500 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 a Master of Science in Criminal Justice degree.

The Department offers minors in Criminal Justice, Criminology, Social Rehabilitation and Treatment, and Sociology. (Students who choose the Criminology option may not choose Criminology as a minor.)

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

**MAJORS:**

Criminal Justice (B.S.)

Options: Corrections

Criminology

Law Enforcement

**MINORS:**

Criminal Justice

Criminology

Social Rehabilitation and Treatment

Sociology

**HEALTH, HUMAN PERFORMANCE, AND RECREATION****Chairperson: Joseph Pujol****Faculty: Jeremy Barnes, Michael Church, Beth Easter, Beverly Evans, Thomas Holman, KT Kim, Mark Langenfeld, Steve Nickell, Adolfo Ramos, Kyle Schneider, Alicia Scott, Annette Slattery, Seido Sofo, Jason Waggoner**

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 organizations, youth agencies, sports medicine and rehabilitation centers, fitness and wellness facilities, and hospitals. Departmental facilities and equipment include well-equipped exercise physiology, bone density and athletic training laboratories, as well as a variety of outdoor recreation equipment, to support experiential learning activities. The Athletic Training Education, Physical Education, Recreation and Park Administration and Sport Management programs are fully accredited.

**MAJORS:**

Athletic Training (B.S.A.T.)

Health Management (B.S.)

Options: Exercise Science

Health Promotion

Health Sciences (B.S.)

Physical Education (B.S.Ed.)

Recreation and Park Administration (B.S.)

Sport Management (B.S.)

**MINORS:**

Coaching

Exercise Science

Health Management Entrepreneurship

Health Promotion

Outdoor Adventure Leadership

Recreation

Sport Management

Substance Abuse Prevention

**PRE-PROFESSIONAL PROGRAM:**

Pre-Physical Therapy

**HUMAN ENVIRONMENTAL STUDIES****Chairperson: Shelba Branscum****Faculty: Mary E. Ambery, Quantella Anderson-Noto, Michelle Brune, HJ Cho, Tammy Davis, Lisa Essmyer, Anthony Faber, Patricia Farrish, Sara Garner, Shelby Hicks, Billie Holshouser, Lee Anne Lambert, Anne Marietta, Carol Nesler, Sharo Shafaie, Robyn Standridge, Sara Starbuck, Angie Stiegemeier, Francis Tayie, Molly Timlin, Victor Wilburn,**

The Department of Human Environmental Studies offers a wide variety of programs and four year degrees that prepare professionals in social services, health, education and business. 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.

The Academy of Nutrition and Dietetics-accredited 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.

Fashion merchandising students combine a marketing/management background with their study to become professionals in the global fashion world.

The Interior Design program is accredited by the National Kitchen and Bath Association (NKBA) and is in the early stages of seeking CIDA accreditation.

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

The Hoover Eldercare Center, a model day care program for senior citizens, offers students experience in working with the elderly. The University School for Young Children and the Child Development Center at Sikeston preschool laboratories, provide diverse practicum experiences for students. Programs administered by the department include Workshop on Wheels, EDUCARE, APPLE, and the Horizon Adult Day Care Program.

#### **MAJORS:**

Hospitality Management (B.S.)

Human Environmental Studies (B.S.)

Options: Child Development

Dietetics

Family Studies

Fashion Merchandising

Interior Design

Family and Consumer Sciences Education (B.S.Ed.)

Child Care and Guidance (A.A.)

#### **MINORS:**

Child Development

Family Studies

Fashion Entrepreneurship

Fashion Merchandising

Gerontology

Hospitality Management

Interior Design

Nutrition

### ***MILITARY SCIENCE***

#### **Program Director: Tyson Mele**

The Missouri Army National Guard Officer Leadership Development Program (SHOW-ME GOLD) offers the opportunity for professional development and leadership training to become an Army officer. The officer training program consists of credit-bearing classroom instruction, leadership laboratories, field training exercises, physical training and military leadership schools. The Minor of Military Science focuses on the theory of leadership, progression of leadership, how to develop personal leadership style, military tactics, communication skills and application of leadership for both civilian professions and military service. There is no requirement to contract with the SHOW-ME GOLD program to attain the Minor of Military Science.

#### **MINOR:**

Military Science

### ***NURSING***

#### **Chairperson: Gloria Green**

**Faculty: Janet Adams, Cheryl Alberternst, Vera Campbell-Jones, Cheryl Essner, Christel Fehr, Linda Garner, Kathy Ham, Linda Heitman, Elaine Jackson, Brenda Johnson, Ellen O'Rourke, Bobbi Palmer, Desma Reno, Julie Sappington, Lorreen Stinnett, Michele Tanz, Julie Twidwell, Jolon Vaughn, Janet Weber**

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 fully 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-BSN) option for registered nurses desiring a Bachelor of Science in Nursing. The RN-BSN option 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 and Nurse Educator options. For more information, see the Graduate BULLETIN.

The mission of the Southeast Missouri State University Department of Nursing is to educate baccalaureate and masters graduates to practice nursing within the context of knowledgeable caring. The department influences the health of the region and beyond by providing graduates who have demonstrated intellectual, personal and professional growth and can integrate theoretical knowledge, experiential learning and an interdisciplinary foundation. Faculty encourage graduates to pursue a career of lifelong learning.

**MAJOR:**

Nursing (B.S.N.)

**SOCIAL WORK****Chairperson: Cathy McElderry**

**Faculty: Dhira Crunkilton, Jocelyn Martin, Kathie Miller, Michael D. Parker, Tiffany Parker, Natalie Sandoval**

The principle educational goal of the social work program is to prepare graduates for competent, entry level generalist social work practice with individuals, families, groups, communities and organizations largely in the rural environment. The competency based curriculum is grounded in the liberal arts and reflects the values of economic and social justice, human diversity, dignity and worth of the person, human rights, integrity and the importance of human relationships and service. The baccalaureate social work program 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**

**Rhonda Weller-Stilson, Associate Dean and Director, Holland School of Visual and Performing Arts**

**Department of Communication Studies**

**Department of English**

**Department of Global Cultures and Languages**

**Department of History**

**Department of Mass Media**

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

**Department of Psychology**

**Holland School of Visual and Performing Arts**

**Department of Art**

**Department of Music**

**Department of Theatre and Dance**

The College of Liberal Arts provides courses of study in the performing and visual arts, the humanities, and the behavioral and social sciences. Faculty in the 10 departments of the college teach 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 and Spanish 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 of study, such as historic preservation, music education, theatre, and dance, and the various options within the mass communication major (advertising, multimedia journalism, public relations, TV & film) may lead to employment upon graduation from the baccalaureate curriculum. Other majors, such as communication studies, English, global cultures and languages, history, music, philosophy, political science, or psychology can prepare students for the world of work, for graduate study in that or a related field, or for professional training 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 their 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 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: Caroline A. Kahler**

**Faculty: Louise Bodenheimer, Emily Booth, Emily Denlinger, Joni Hand, Benjie Heu, Carol Horst, Justin Miller, Hannah March Sanders, Katherine Ellinger Smith, Chris Wubbena**

The Department of Art offers courses in graphic design/illustration, painting, drawing, ceramics, printmaking, fiber, sculpture, art education, digital art, art history, digital photography and web design. Following basic study in a foundation curriculum and upon passing the foundation review, students may choose an elective sequence of courses from six areas in the B.F.A. program or a program leading to a B.A. Liberal Arts degree (minor required), or electives leading to a B.S.

in Education with a major in Art Education. Art history classes may be selected from a range of chronologically and conceptually diverse topics, from classical art to modern. Art majors are required to enter work every year in the Juried Student Assessment Exhibition. B.F.A. majors must complete the senior B.F.A. studio capstone course with a culminating exhibition.

**MAJOR:**

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

**MINOR:**

Art/Art History

Fine Arts Entrepreneurship

## **COMMUNICATION STUDIES**

**Chairperson: Glen Williams**

**Faculty: Lisa Clark, Brooke Clubbs, Avery Henry, Natalie Holley, Slavica Kodish, Jennifer Summery, Larry Underberg, Roseanna Whitlow-Greenwood**

The Department of Communication Studies offers majors in Communication Studies, Corporate Communication, and Health Communication as well as minors in Communication Studies, Communication for Health Professionals, and Communication for Legal Professionals. In all of these programs, students study both classical and contemporary theories of human communication.

By developing skills in interpersonal and small-group communication, intercultural communication, organizational communication, and public communication, students prepare for a variety of activities and careers which require skilled communicators. They also enhance their ability to participate more meaningfully in civic affairs.

In and out of the classroom, students will find opportunities to grow. A variety of audiovisual resources housed in state-of-the-art classrooms support department instruction, and a Speaker's Lab serves as a student resource. An award-winning intercollegiate debate program provides skill refinement for majors and those planning a legal or political career. The student organization, COMMrades, assists leadership training, professional networking, service-learning, and volunteer opportunities for majors and students studying communication-intensive professions. Another student organization, "Jimmy's Friends," offers service opportunities in a healthcare setting. In addition, active chapters of the honor societies Phi Kappa Delta (forensics) and Lambda Pi Eta (Communication Studies) foster and recognize academic achievement.

**MAJORS:**

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

**MINORS:**

Communication for Health Professionals  
 Communication for Legal Professionals  
 Communication Studies

**ENGLISH****Chairperson: Susan Kendrick**

**Faculty: Carl Bloom, James Brubaker, John Campbell, Stephanie Chamberlain, Daniel Crocker, Chase Dimock, Dale Haskell, Jon Hayes, Pennie Pflueger, Missy Phegley, Debrah Raschke, Chris Rieger, Eric Sentell, Susan Swartwout, Irina Ustinova, Melanie Walters, Christine Warren, 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 interest is 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  
 Writing

**CERTIFICATE:**

ESOL

**GLOBAL CULTURES AND LANGUAGES****Chairperson: Toni Alexander**

**Faculty: Beth Adkins, Warren Anderson, Jennifer Bengtson, Gabriele Eckart, Debra Lee-DiStefano, Kimberly Louie, Margarita Merget, Alice Strange, Shu-Chuan Wang-McGrath**

The Department of Global Cultures and Languages offers a Bachelor of Arts degree with a major in Global

Cultures and Languages with Options in Anthropology; Foreign Languages (with advising tracks in French, German, and Spanish); and Global Studies (with advising tracks in Chinese, Francophone, Germanic, Hispanic, and Japanese). A Bachelor of Science in Education degree (public school teaching) is also offered with majors in French, German, and Spanish. Minors are offered in Anthropology, Archaeology, French, German, Global Studies, and Spanish. Opportunities for study abroad are available through the department. A variety of internships are available to our majors.

Through classroom work, field experiences, internships, and guided independent study, Anthropology Option students 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 Option and the B.S.Ed. degree prepare students for graduate study and for entry-level positions in import/export, business, government, and teaching.

The Global Studies Option 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.

**MAJORS:**

French (B.S.Ed.)  
 German (B.S.Ed.)  
 Global Cultures and Languages (B.A.)  
 Options: Anthropology  
 Foreign Language  
 Global Studies

Spanish (B.S.Ed.)

**MINORS:**

Anthropology  
 Archaeology  
 French  
 German  
 Global Studies  
 Spanish

**HISTORY****Chairperson: Wayne H. Bowen**

**Faculty: Theresa Haug Belvin, J. David Cameron, John Chandler, Eric L. Clements, Adam Criblez, Dalton Curtis, Laurie Hamblin, Erika Hosselkus, Steven Hoffman, Courtney Kisat, Vicky McAlister, Joel Rhodes, Lily Santoro**

The Department of History offers four undergraduate programs: Bachelor of Arts with a major in History, Bachelor of Arts with a major in Social Science, Bachelor of Science with a major in Historic Preservation and Bachelor of Science in Education with a major in Social Studies. These degree programs provide superior training for graduate school and professional work, with each having a different focus. Department faculty teach and research in a wide variety of fields, including U.S. and local history, Latin American, modern and medieval Europe, women's history, social studies education, and historic preservation.

The B.A. programs in History and Social Science prepare students for graduate school or immediate employment in a wide range of fields. Graduates have a successful record of admission to law school, graduate study in history, as well as to employment in government and the private sector.

The Historic Preservation program trains its graduates for employment in national and state parks, museums, archives, historic sites and in community-based non-profits engaged in protecting the nation's architectural and cultural heritage. With a strong emphasis on experiential learning, the HP program also includes exciting opportunities for internships. Past graduates have interned at Jamestown, the National Trust for Historic Preservation, Gettysburg National historic Park, The Holocaust Museum, and the Smithsonian Institution.

The Social Studies Education program prepares students to be secondary school teachers, through coursework and practical classroom experience. In cooperation with the Department of Middle and Secondary Education, the program provides mentoring, supervision and training in curriculum construction, effective teaching practices and classroom leadership. Graduates have become successful teachers in public and private schools throughout Missouri and the region.

**MAJORS:**

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

**MINORS:**

Historic Preservation  
History  
Latin American Studies

**MASS MEDIA****Chairperson: Karie Hollerbach**

**Faculty: Tamara Zellars Buck, James Dufek, Susan Gonders Golike, Fred Jones, Don Jung, Bruce Mims, Michael Simmons, John B. (Jack) Zibluk**

The Mass Media program has a general core of study and options in Advertising, Multimedia Journalism, Public Relations, and Television & 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 in Journalism & Mass Communications and certified by the Public Relations Society of America. These professional study options help equip students for careers in the mass media or the support industries of advertising and public relations. There is also a minor in Mass Communication. In addition to formalized internships, laboratory experiences are available through the weekly student newspaper, the Arrow; the video production facility; and the student-run public relations firm.

**MAJORS:**

Mass Communication (B.S.)  
Options: Advertising  
Multimedia Journalism  
Public Relations  
Television & Film

**MINORS:**

Mass Communication

**MUSIC****Chairperson: Kevin Hampton**

**Faculty: Gabrielle Baffoni, Brandon Christensen, Robert Conger, Peter Durow, Sara Edgerton, Robert Fruehwald, Marc Fulgham, Christopher Goeke, Nicholas Kenney, Leslie Jones, Mary Mims, Shane Mizicko, Martin Reynolds, Timothy Schmidt, 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. The department enriches the musical life of the university and the community through its varied activities.

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 may advance 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.)

Options: Instrumental Performance

Vocal Performance

#### **MINOR:**

Music

### ***POLITICAL SCIENCE, PHILOSOPHY, AND RELIGION***

**Chairperson: Hamner Hill**

**Faculty: Rickert Althaus, Chris Baldwin, Gary Cesarz, Laura Hatcher, Albert Hayward, Debra Holzhauser, Bronik Matwijkiw, James Newman, Tomoaki Nomi, Bambi Robinson, Kevin Sexton, Patty Sharp, 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: Scott Brandhorst, Catherine Chou, Alison Whiteford Damerall, Laura Delgado, Jennifer Gadberry, Shawn Guiling, Jeremy Heider, John Humrichouse, Norman Kinney, Gail Overbey, William E. Snell, Jr., Nicolas Wilkins**

The Department of Psychology offers an undergraduate major that leads to the Bachelor of Science degree and an online major that leads to a Bachelor of

Arts degree. The goal of these programs is to provide a common set of learning experiences that characterize the breadth and diversity of the discipline. The programs establish a solid foundation for a variety of career goals. The B.S. program prepares students for graduate education in psychology also. In addition, 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.A., online)  
Psychology (B.S.)

**MINORS:**

Psychology: Applied  
Psychology: Developmental  
Psychology: General  
Psychology: Psychological Services

## ***THEATRE AND DANCE***

**Chairperson: Kenneth L. Stilson**

**Faculty: Michelle Contrino, Philip Edgcombe, Judith Farris, Joseph Mason, Michael McIntosh, Philip Nacy, Hilary Peterson, Rhonda Weller-Stilson, Roxanne Wellington, Bart Williams**

The Department of Theatre and Dance offers students an intensive professional training program in the performing arts within the context of a liberal arts education. The Bachelor of Fine Arts (BFA) is a professional degree designed to prepare students for entrance into the professional performing arts market,

while the Bachelor of Arts (BA) degree prepares students for graduate programs or post-graduate professional internships. The BA is also intended for students wishing to pursue a career in video or film production, playwriting or screenwriting, or arts management by double-majoring in Mass Communication: Television and Film option, English: Creative Writing option, Management or Marketing.

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

- academic, creative and technique training;
- production;
- career preparation.

Theatre and Dance offers a variety of sequential performance, theory, history and practical courses in theatre, dance and musical theatre. Each year, the department produces six major faculty-directed and choreographed productions, two student showcases, and numerous student-produced projects, resulting in ample opportunity for students to gain technical and performance experience in the River Campus for the Visual and Performing Arts, a new start-of-the-art professional facility with numerous classroom, construction, rehearsal and performance spaces. 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, intensives, conventions, festivals and professional employment. The theatre program is accredited by the National Association of Schools of Theatre (NAST).

**MAJORS:**

Dance (B.A., B.F.A.)  
Theatre (B.A.)  
Theatre (B.F.A.)  
Options: Acting  
Design/Technology  
Musical Theatre

**MINORS:**

Dance  
Fine Arts Entrepreneurship  
Theatre: Acting  
Theatre: General  
Theatre: Technical

## **COLLEGE OF SCIENCE, TECHNOLOGY AND AGRICULTURE**

**Chris W. McGowan, Dean**  
**Sophia Scott, Associate Dean**

**Department of Agriculture**

**Department of Biology**

**Department of Chemistry**

**Department of Computer Science**

**Department of Mathematics**

**Department of Physics and Engineering Physics**

**Department of Polytechnic Studies**

**Program in Environmental Science**

The College of Science, Technology and Agriculture offers high-quality programs of instruction in the physical and natural sciences, environmental science, technology, agriculture, mathematics, and science education. The program in chemistry is certified by the American Chemical Society (ACS). The programs in Computer Science, Engineering Physics and Engineering Technology are accredited by the Computing Accreditation Commission, the Engineering Accreditation Commission and the Engineering Technology Accreditation Commission, respectively, of ABET, <http://www.abet.org>. Other programs in the Department of Polytechnic Studies are accredited by the Association of Technology, Management and Applied Engineering (ATMAE). The foundation of these programs is an active faculty of teacher-scholars model 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 research involvement. Polytechnic Studies is home to a Missouri Center of Excellence in Advanced Manufacturing Technology. The David M. Barton Agriculture Research Center, Rice Research Station, the Charles Nemanick Alternative Agricultural Garden, and the Charles L. Hutson Horticulture Greenhouse in the Department of Agriculture provide excellent opportunities to combine classroom theory and practical experience. Additional service to our region is provided by the College through 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, Technology and Agriculture 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 promote the University Studies Program by offering various sections of UI 100 (First Year Seminar).
- To promote the offering of online/ITV instruction throughout the main campus as well as through extended learning.
- 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, technology and agriculture 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.
- To promote globalization in accordance with the mission of the University.
- To keep up with the University's strategic plan, program review and retention of undergraduate as well as graduate students policies and procedures.

## **AGRICULTURE**

**Chairperson: Michael Aide**

**Faculty: Donn Beighley, Indi Braden, Heidi Clark, David Mauk, Byron McVay, Wesley Mueller, Sven Svenson, Julie Weathers**

The Department of Agriculture's teaching laboratories are supported by the new David M. Barton Agriculture Research Center, the Charles L. Hutson Horticulture Greenhouse, the Charles Nemanick Alternative Agriculture Gardens, 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, a Collegiate Farm Bureau chapter, Delta Tau Alpha (national agriculture honorary society), the Horticulture Club, and the Pre-Veterinary Medicine Club are actively supported.

**MAJORS:**

Agribusiness (B.S.)

Options: Agriculture Industry

Animal Science

Horticulture

Plant & Soil Science

Agriculture Education (B.S.Ed.)

**MINORS:**

Agriculture

Agriculture/Horticulture Entrepreneurship

Companion Animals

Horticulture

Soils

**PRE-PROFESSIONAL PROGRAMS:**

Pre-Veterinary Medicine

**BIOLOGY****Chairperson: James Champine**

**Faculty: Allan Bornstein, Marilyn Burleson, Jon Davenport, William Eddleman, Allen Gathman, Timothy Judd, John Kraemer, Rebecca Kurzhals, Walt Lilly, Shannon McNew, James Robins, John Scheibe, Dustin Siegel, 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, an 8-acre Juden Creek Natural History Area, and the 27-acre Miller Reserve. The sanctuary and the surrounding area provide excellent opportunities for field studies. 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 is strongly encouraged by the faculty. Student interest groups such as the Biology Club, the Student Medical Society, Student Chapter of the Wildlife Society, Alpha Epsilon Delta (the pre-medical honorary society, and Tri-Beta (the biology honorary society) are supported by the Department.

**MAJORS:**

Biology (B.S.)

Options: Biomedical Sciences

Marine Biology

Microbiology, Cellular and Molecular

Biology, and Biotechnology

Organismal, Ecological, and

Evolutionary Biology

Pre-Physician Assistant

Wildlife and Conservation Biology

Biology Education (B.S.Ed.)

Options: Biology Education

Unified Science

**MINORS:**

Biological and Medical Sciences Entrepreneurship

Biology

**PRE-PROFESSIONAL PROGRAMS:**

Pre-Chiropractic

Pre-Dentistry

Pre-Medicine

Pre-Optometry

**CHEMISTRY****Chairperson: Philip Crawford**

**Faculty: Mohammed Ali, Marcus Bond, Yin Yee Choo, Kelli Gottlieb, Adam Jacoby, Jim McGill, Chris McGowan, Christina Ragain, Michael Rodgers, Rachel MorganTheall**

The Department of Chemistry is fully accredited by the American Chemical Society (ACS) 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 Pre-Pharmacy and Medical Laboratory Science 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 organizations, such as the student affiliate chapter of the American Chemical Society and the Forensic Science Club also promote an interactive faculty-student environment through both professional and social activities.

**MAJORS:**

Chemistry (B.A.)

Options: Business

Chemistry

Forensic Science

Chemistry (B.S.)

Options: Chemistry (ACS Certified)

Biochemistry

DNA Analysis

Forensic Chemistry

Chemistry Education (B.S.Ed.)

Medical Laboratory Science (B.S.)

**MINOR:**

Chemistry

**PRE-PROFESSIONAL PROGRAM:**

Pre-Pharmacy

## COMPUTER SCIENCE

**Chairperson: David Probst**

**Faculty: Suhair Amer, Fazel Keshtkar, Ziping Liu, David Naugler, Carole Pfeiffer, Xuesong Zhang**

The Department of Computer Science has programs designed to prepare students with the skills and knowledge necessary for entry-level positions in a variety of computing areas, graduate study and their professional careers. The department offers two degree programs designed to produce graduates prepared to achieve the following objectives:

1. Recognized by their peers and superiors for their technical skills in the computing field;
2. Recognized by their peers and superiors for their professional skills in the computing field (e.g., communication, teamwork, leadership);
3. Actively involved in local and regional professional service;
4. Graduate students in computer science and related disciplines;
5. Professionals actively engaged in activities which allow for the continuous development of their computing skills.

In addition, students will achieve a set of outcomes listed on the departmental website at [http://www.semo.edu/csdept/objectives\\_outcomes.htm](http://www.semo.edu/csdept/objectives_outcomes.htm). The Bachelor of Science with a major in Computer Science is accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org>. It emphasizes the theoretical underpinnings of Computer Science as well as specific application areas. The Computer Information Systems program has a solid foundation in Computer Science, but emphasizes application to a much greater extent. In fact, students are required to complete a minor in another field of interest to them as a way to gain exposure to fields in which they might apply their computing skills. The Computer Information Systems program is not accredited by ABET.

Employment opportunities remain high for program graduates. Minors in Computer Science and Information Systems are also available to those wishing to use computers in their chosen profession.

**MAJORS:**

Computer Information Systems (B.S.)

Computer Science (B.S.)

**MINORS:**

Computer Science

Information Systems

## ENVIRONMENTAL SCIENCE

**John Kraemer, Director**

**Content Area Representatives: Michael Aide, Mohammed Ali, Allan Bornstein, James Champine, Philip Crawford, Gary Cwick, Hamner Hill, Debra Holzhauser, Tahsin Khalid, Chris McGowan, John Tansil, William Weber, Diane Wood**

Environmental Science is an inter-departmental program based in the College of Science, Technology and Agriculture, 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

Sustainability

**MATHEMATICS****Chairperson: Tamela D. Randolph**

**Faculty: Henry Clark, Daniel Daly, Paul Deiermann, Avelina Lichtenegger, Cheryl McAllister, Ewelina McBroom, James McEwen, William McNeary, Peter Oman, Laurie Overmann, Joshua Powers, Craig Roberts, Ann Schnurbusch, Andrew Schwartz, Pradeep Singh, Linda Tansil, Emmanuel Thompson, Caroline Thornburgh, Mohan Tikoo, Candide Walton, Haohao Wang, Xiang-Sheng Wang, Jerzy Wojdylo, Yanping Xia**

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 Student Association of Math Educators (SAME).

**MAJORS:**

Mathematics (B.S.)

Options: Actuarial Science

Applied Mathematics & Statistics

Pure Mathematics

Mathematics (B.S.Ed.)

**MINOR:**

Mathematics

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

**Faculty: Ali Abu-Nada, Michael Cobb, Gary Cwick, Santaneel Ghosh, Margaret Hill, 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://www.semo.edu/physics>. The Bachelor of Science degree in Engineering Physics is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>. The Engineering Accreditation Commission of ABET is the sole accrediting body for engineering programs in

the United States. 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, Geographic Information Systems, Geoscience and Physics 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 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

Geographic Information Systems

Geoscience

Physics

**PRE-PROFESSIONAL PROGRAM:**

Pre-Engineering

**POLYTECHNIC STUDIES****Chairperson: Bradley Deken**

**Faculty: Vijay Anand, Khaled Bawaneh, Bryan Bowers, Gregory Boyd, Wendy Cooper, Robbie Davis, John Dudley, Jeremy Griffin, Xue (Lulu) Han, Dan Lauder, Kevin McMeel, Belinda McMurry, Bradley Phillips, Sophia Scott, Jingjing Tong, Shaojun Wang, Hassan Zargarzadeh**

The Department of Polytechnic Studies offers majors in Technology Management, Engineering Technology, Cybersecurity and Commercial Photography. The Technology Management program is accredited by the Association of Technology, Management, and Applied Engineering (ATMAE) and prepares technical and techni-

cal management-oriented professionals for employment in business, industry, education, and government. The Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>. The Department maintains a close association with local industry through an advisory committee, internship program and research programs. The department also hosts a variety of student extracurricular activities through several student organizations. The Department is committed to providing students hands-on problem solving experience using 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 Technology Management.

The major in Engineering Technology is designed around the following objectives:

- Communicate effectively.
- 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 and understand the issues related to diversity and a global community
- Maintain the highest ethical and professional standards with commitment to protect the public interest, safety, and the environment.

The major in Technology Management 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:**

Commercial Photography (B.S.)

Cybersecurity (B.S.)

Engineering Technology (B.S.)

Options: Electrical & Control

Mechanical & Manufacturing Systems

Engineering Technology Education (B.S.Ed.)

Technology Management (B.S.)

Options: Computer and Multimedia Graphics

Construction Management & Design

Facilities Management & Sustainability

Industrial & Safety Management

Sustainable Energy Systems

Management

Technology Management

Telecommunications and Computer

Networking

Computer Technology (A.A.S.)

Options: Automated Manufacturing

Microcomputer Systems

Technical Computer Graphics

#### **MINORS:**

Architectural Design

Commercial Photography

Computer Networking

Construction Management

Cybersecurity

Electronic Technology

Graphic Communications Technology

Industrial and Engineering Technology Entrepreneurship

Industrial Management

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

Pre-Architecture



