

College Information

DONALD L. HARRISON COLLEGE OF BUSINESS

Gerald S. McDougall, Dean
Bert J. Kellerman, Associate 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 Small Business Management, and 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.

ACCOUNTING AND MANAGEMENT INFORMATION SYSTEMS

Chairperson: Joseph Wen

Faculty: Deborah Beard, Sean Eom, Eleanor Henry, Lavonne Huter, Gary Johnson, Mary Virginia Johnson, Demetrius Karathanos, Michael McDonald, Matthew Notbohm, Diane Pettypool, Carolyn Rainey, Keith Russell, Dana Schwieger, Regina Smart, Chellappa Somarajan, 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 aware-

ness, 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 Office Administration 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 Education (B.S. and M.S.)

MINORS:

Accounting
 Administrative Systems Management

CERTIFICATE:

Two-year Administrative Assistant

ECONOMICS AND FINANCE

Chairperson: Rebecca Summary

Faculty: Michael Devaney, Bruce Domazlicky, Benjamin Dow, Peter Kerr, David Kunz, Steve Nenninger, Cara Oosterbaan, Kang Hoon Park, Diane Primont, Willie Redmond, Terry Sutton, 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., 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 Studies in Business is responsible for the international exchange agreements involving the Harrison College of Business including membership in the Magellan Network; a consortium of business programs at American and European universities. The office manages various international programs available to business students and faculty exchange programs. The director of the office of International Studies in Business administers the major in international business. The Harrison College of Business supports a wide variety of international experiences open to all majors and minors. There are short-term international business programs scheduled between the fall and spring semesters, over spring break, and during the summer. Semester study abroad opportunities are available each semester and summer with a number of institutions in Europe and other locations. 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.

MAJOR:

International Business (B.S.B.A.)

MANAGEMENT AND MARKETING**Chairperson: Jack L. Sterrett**

Faculty: Steven Byrd, John Cherry, Kevin Dickson, Darlene Dunning, Peter Gordon, Kenneth Heischmidt, Scott Johnson, Patricia Karathanos, Bert Kellerman, Ismatilla Mardanov, James Ricks, David K. Smith, Jr., Stanley Stough, Scott Thorne, Judy Wiles

Company success depends on effective management and leadership, and getting the right product to market and making it attractive to consumers through the four P's - Product, Price, Place, and Promotion. The aim of management is to insure the organization of business is responsive to internal and external stakeholders. The aim of marketing is to know, understand and communicate with the market and the customer so well that the product or service fits him or her and sells itself. The department offers majors in management and marketing, with various options. Students choosing to major in Management concentrate in one of the following three options: Organizational Leadership, Human Resource Management, or Operations Management. A major in Management prepares students for entry-level management positions in both profit and not-for-profit organizations. Students choosing to major in marketing concentrate in either Marketing Management or Integrated Marketing Communication. A major in marketing prepares students for sales, public relations, advertising, distribution and market research positions.

The Department of Management and Marketing provides programs and quality instruction which enhance the understanding of communication, management, leadership and marketing among all undergraduate business students, and prepares majors for a variety of management and marketing careers in both business and not-for-profit organizations.

The department faculty is engaged in a variety of research endeavors that lead to publication in books, journals, and conference proceedings. Faculty service to the campus, region and profession is outstanding as exemplified by their numerous involvements and activities.

The Department of Management and Marketing takes a very active role in supporting the activities of the students through sponsorship of the Management Club, the Marketing Club/Delta Epsilon Chi, and Students in Free Enterprise.

MAJOR:

Management (B.S.B.A.)

OPTIONS:Organizational Leadership
Human Resource Management
Operations Management

Marketing (B.S.B.A.)

OPTIONS:

Marketing Management
Integrated Marketing Communica-
tions

MINORS:

Management
Logistics Management
Marketing: Integrated Marketing Communications
Marketing: Logistics Management
Marketing: Marketing Management
Marketing: Retail Management
Marketing: Sales Management

COLLEGE OF EDUCATION

I. Sue Shepard, Interim Dean
Department of Educational Administration
and Counseling
Department of Elementary, Early, and Special
Education
Department of Middle & Secondary Educa-
tion

The College of Education offers instruction in programs that prepare teachers, school administrators, and counselors as "competent 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 the professional development school concept and birth-grade 12 collaboration. Master's degree programs in teacher education, educational administration, and counseling provide opportunities for advanced education. The Specialist's degree in Educational Administration is also the responsibility of this college. The cooperative doctoral program in Educational Administration is provided through shared coursework, instruction and research oversight with the University of Missouri.

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 Educational 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 1994 Best Practice

Award in Global and International Education from the American Association of Colleges for Teacher Education (AACTE) and has twice 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. Students in the college of education hold the highest grade point average and a large percentage enter the college's graduate programs.

The college is on the cutting edge in its use of technology in all of its programs, and participates with four other universities in the federally funded In-Time Grant program to foster the use of technology in kindergarten through twelfth grade schools. The college is a recognized leader in the National Reading Recovery Program and hosts the statewide Early Literacy Project. It has garnered federal grants to assist in the preparation of Bilingual and Teaching English to Speakers of Other Languages (TESOL) professionals. Faculty in the college participates 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 another multi-university project, CARE: Children at Risk in Education. This project, involving students and faculty from three United States and three European institutions, is made possible through a grant from the Fund for the Improvement of Postsecondary Education (FIPSE) that proposes, among several important objectives, to develop a global curriculum for working with under-achieving children; identify good practice in the development of international education; and enable young teachers to understand underachievement in a global context.

In addition to programs that prepare teachers, in 1998, the college received CBHE approval to initiate graduate and undergraduate sport management programs and continues to offer graduate degrees in Community Counseling and Higher Education Practice for non-teaching professionals.

Other noteworthy activities that enforce its accreditation objectives are:

- National Board for 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 and American Indian Reservation student teaching;

- Transitional and Alternative Certification programs for non-traditional students;
- Beginning Teacher Assistance Program;
- Missouri Assessment Program Center;
- Portfolio assessment;
- National assessment of all earned degree graduates in teaching and education administration.

EDUCATIONAL ADMINISTRATION AND COUNSELING

Chairperson: Robert Buchanan (interim)
Faculty: Lisa Bertrand, Lauren Brewer, Gene Brunkhorst, Kelvie Comer, Margaret Dalton, Thomas Kiehne, Cheryl Milde, Zaidy Mohdzain, Julieta Monteiro-Leitner, Verl Pope, Ruth Roberts, Doris Skelton, Rose O. Tallent, Jerry L. Waddle

The Department of Educational Administration and Counseling offers primarily graduate course work. See Graduate Bulletin for available programs. However, the department does provide course work of an elective nature, which may be applicable to various degree programs.

ELEMENTARY, EARLY, AND SPECIAL EDUCATION

Chairperson: R. Eleanor Duff
Faculty: Jean Benton, Luisa Ballester-Conception, Kathleen Conway, Jeanine Dobbins, JoAnne Dunham-Trautwein, Ann Gifford, Cynthia Gordinier, Beverly Petch-Hogan, Tahsin Khalid, Gale McMahan, Julie Ray, Susan Reinagel, Min Zou
Dual Appointment Faculty: Gail Overbey, Sharo Shafaie

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 programs include mental retardation, learning disabilities, and behavior disorders. 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: Frederick L. Yeo
Faculty: Simin Cwick, Mary Ann DeLine, Evelyn Lee, Mary Montavon, Mary Harriet Talbut, Margaret Theobald
Content Area Representatives: David Baird, Leon Book, Sonja Davis, Alberta Dougan, Katherine Gilliland, Michael McDonald, Carol McDowell, Adelaide Parsons, Tamela Randolph, Dennis Seyer, Edwin Smith, Margaret Waterman, Candy Walton, 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 (9-12). 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), Student International Reading Association, Student World Council for Curriculum and Instruction (SWCCI), Student NCA, and Association for Supervision and Curriculum Development (ASCD).

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

Art (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)

Earth Science Education (9-12)	Spanish Education (K-12)
English Education (9-12)	Speech Education (9-12)
Family/Consumer Sci Ed (9-12)	Unified Science-Biology (9-12)
French Education (K-12)	Unified Science-Chemistry (9-12)
German Education (K-12)	Unified Science-Earth Science (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 service 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 educa-

tion 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 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 service throughout the life span and among varying cultures and behaviors; and provide experiences which develop skills in communication, critical thinking and value decisions 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 internationally.

- 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 internationally, through active involvement in the development of research, policy, and legislation that impacts on the health and human service professions and which addresses unique health, social and economic issues in Southeast Missouri.
- Maintain and establish professional accreditation where appropriate and available to ensure quality and excellence in the health and human services professions.

AEROSPACE STUDIES

Chairperson: Major Michael Berry

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 one, 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: Marcia Brown Haims, Martha J. Cook, Jane Edwards, 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: Henry Azuma, Michael Brown, Andy Fulkerson, Peter Hirschburg, Arrick Jackson, Linda Keena, Agatha Nnazor, Gerald Stott, 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 the Bachelor of Arts and Bachelor of Science degrees, as well as minors in Sociology and Criminology. Through elective sequences, sociology majors may choose an emphasis in such areas as criminology/deviant behavior, family, and social research/applied sociology. Sociology is an accepted pre-law curriculum.

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

MAJOR:

Criminal Justice (B.S.)

OPTIONS:

Correction

Law Enforcement

Security Management

Sociology (B.A., B.S.)

MINORS:

Criminal Justice

Criminology

Family Studies

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Social Rehabilitation and Treatment
Sociology

HEALTH, HUMAN PERFORMANCE, AND RECREATION

Chairperson: Joseph Pujol

Faculty: Jeremy Barnes, Beth Easter, Craig Elder, Kathy Gilliland, Sarah Hardin, Mark Langenfeld, Ed Leoni, Tim Rademaker, Amanda Sinclair, Seido Sofo, Tammie Stenger.

The Department of Health, Human Performance, and Recreation offers a variety of programs that prepare professionals to make an impact on health throughout the lifespan. Programs address quality of life, 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 to support experiential learning activities. The Athletic Training Education program and the Recreation program are fully accredited.

MAJORS:

Health Management (B.S.)

OPTIONS:

Athletic Training
Exercise Science
Health Promotion

Physical Education (B.S.Ed.)

Recreation (B.S.)

Sport Management (B.S.)

MINORS:

Coaching
Fitness and Exercise Science
Health Promotion
Recreation
Sport Management

PRE-PROFESSIONAL PROGRAM:

Pre-Physical Therapy

HUMAN ENVIRONMENTAL STUDIES

Chairperson: Paula R. King

Faculty: Mary E. Ambery, Shelba Branscum, Michelle Brune, Carolyn Cogswell, Deborah Cohen, Sara Garner, Anne Marietta, Marcia Nelms, Sharo Shafaie, Carol Stuhr, Georganne Syler, Rachel Thomson, Patricia Yancey

The Department of Human Environmental Studies offers diverse programs to improve the quality of life of children, individuals, and families. Cooperating programs emphasizing early childhood and gerontology are available for interested students. All programs include student involvement with model facilities. The Associate of Applied Science in Child Care and Guidance was the first such program offered in Missouri, and is a model throughout the State.

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 the elderly, offers students experience in working with the elderly. The Center for Child Studies, a preschool laboratory, provides diverse practicum experiences for students. Programs associated with the department include Workshop on Wheels, Family Strengths, Child-care Resource and Referral, School Aged Child Care, Senior Learning Program, SAVVY, and APPLE, and Early Head Start Infant/Toddler Program.

MAJORS:

Hospitality Management (B.S.)

Human Environmental Studies (B.S.)

OPTIONS:

Child Development
Dietetics
Family Life
Fashion Merchandising
Housing and Interior Design

Family and Consumer Sciences Education (B.S.Ed.)
Child Care and Guidance (A.A.S.)

MINORS:

Child Life Services
Child Studies

Family Economics & Management
 Family Studies
 Fashion Merchandising
 Food Service & Hospitality Management
 Gerontology
 Interior Design
 Nutrition

NURSING

Chairperson: A. Louise Hart
Faculty: Linda Bugle, Gloria Green, Kathy Ham, Jenny Harkey, Linda Heitman, Elaine Jackson, Lisa Job, Brenda Johnson, Cheryl Kieffer, Kathryn Kornegay, Bobbi Morris, Ellen O'Rourke, Desma Reno, Julie Sappington, Ann Sprengel, Janet Weber, Terri Woods, Cathy Young

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 both on campus and at an off campus site. The focus of the Master's Program is advanced specialty role implementation. The MSN includes Family Nurse Practitioner, Adult Health Clinical Nursing Specialist 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.)

SOCIAL WORK

Chairperson: Michael D. Parker
Faculty: Jean Bernstein, Janice Chadha, Walter Paquin, Tiffany Parker, Robert Polack, Frederick Robinson, 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

Martin M. Jones, 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

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, 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 English, French, German, history, music, philosophy, political science, psychology, Spanish, or speech communication, 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.
- 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: Samuel Bishop, Louise Bodenheimer, Ronald Clayton, Lane Fabrick, Stanley Grand, Amy Kephart, Laura MacCaskey, Sarah A. Riley, Paul Schock, Edwin Smith

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 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 work every year in the Juried Student Assessment Exhibition.

MAJOR:

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

MINORS:

Art

Art History

Art/3-D Studio

COMMUNICATION

Chairperson: R. Ferrell Ervin

Faculty: Tamara Baldwin, James Dufek, Susan Gonders, Karie Hollerbach, Fred Jones, Don Jung, Roy Keller, Karen Kight, Bruce Mims, Debbie Otto, Jennifer Summary, Roger Stout, Jennifer Summary, Larry Underberg, Michael Weatherson, Roseanna Whitlow, Glen Williams, Cindie Jeter Yanow, Tamara Zellers-Buck

The Department of Communication offers programs in Mass Communication and Communication Studies. The Mass Communication program has a general core of study and options in Advertising, Journalism, Public Relations, Radio, Video Production, and Media Studies within the traditional framework of the liberal arts. It also offers a minor in Mass Communication.

These study options help equip students for careers in the mass media or support industries of advertising and public relations.

Students interested in Communication Studies study both classical and contemporary theories of human communication. By developing skills in inter-

personal 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 inter-collegiate 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 university-operated Public Radio affiliate, KRCU 90.9 FM; a closed-circuit television channel; a department operated low power FM station, KDMC 103.71; and the corporate video production facility.

MAJORS:

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

OPTIONS:

Journalism
Media Studies

Mass Communication (B.S.)

OPTIONS:

Advertising
Public Relations
Radio
Video Production

MINORS:

Communication for Legal Professionals
Communication Studies
Mass Communication

ENGLISH

Chairperson: Carol Scates

Faculty: Roger Arpin, Stephanie Chamberlain, Sonja Davis, Peter Froehlich, Jacob Gaskins, Robert Hamblin, Dale Haskell, Harvey Hecht, Michael Hogan, Evelyn Biler Menz, Dean Monahan, Sheila Pardee, Adelaide Parsons, Trudi A. Patterson, Pennie Pflueger, Debrah Raschke, David Reinheimer, Susan Swartwout, 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.

MAJOR:

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, Leon Book, Gabriele Eckart, Kathleen Gallivan, Richard Kump, Daniel MacLeay, Carol Morrow, Conny Palacios, Michael Roark, Alice Strange

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

The Foreign Language program emphasizes communication skills, literature, and culture studies. Courses are also available in commercial French, German and Spanish.

Through classroom work, field experiences, internships, and guided independent study, Anthropology 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 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 business, land use planning, law and medicine.

MAJORS:

Anthropology (B.A.)
French (B.A., B.S.Ed.)

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German (B.A., B.S.Ed.)

Spanish (B.A., B.S.Ed.)

MINORS:

Anthropology

Archaeology

French

Geography

German

Spanish

HISTORY

Chairperson: James W. Ermatinger

Faculty: J. David Cameron, Eric L. Clements, Dalton Curtis, Alberta M. Dougan, Larry Easley, Steven Hoffman, Neil Miller, Frank Nickell, Joel Rhodes, Christopher Schnell, Bonita Stepenoff, Joseph Werne

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: Gary Miller

Faculty: Barry Bernhardt, Brandon Christensen, Sterling Cossaboom, Michael Dean, Daniel Dunavan, Sara Edgerton, Johnson Egbert, Robert Fruehwald, Marc Fulgham, Robert Gifford, Christopher Goeke, Steven Hendricks, Leslie Jones, Carol McDowell, Jeffrey Noonan, James Sifferman, Paul Thompson

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 and perform an audition before the applied music faculty. 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:

Instrumental Performance

Vocal Performance

MINOR:

Music

POLITICAL SCIENCE, PHILOSOPHY AND RELIGION

Chairperson: Hamner Hill

Faculty: Rickert Althaus, Gary Cesarz, Mitchel Gerber, Albert Hayward, 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.

MAJOR:

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

MINORS:

Philosophy
Religion
Political Science
Public Administration

PSYCHOLOGY

Chairperson: Richard A. Burns

Faculty: Douglas Atwood, Ken Callis, Lawrence Clark, Laura Delgado, Phillip Finney, Wayne Hoover, Norman Kinney, Paul Lloyd, Gail Overbey, Leslee Pollina, Rickard Sebby, William E. Snell, Jr., Dora Weaver, Martha Zlokovich

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:

Family Studies
Psychology: Applied
Psychology: Developmental
Psychology: General
Psychology: Psychological Services

THEATRE AND DANCE

Chairperson: Kenn Stilson

Faculty: Ellen Dillon, Robert W. Dillon, Jr., Philip Nacy, Dennis C. Seyer, Marc Strauss, Rhonda Weller-Stilson, Roseanna Whitlow, Paul Zmolek

The Department of Theatre and Dance offers students an intensive training program in the development of an informed appreciation of 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.

Theatre and Dance offerings include a variety of sequential courses in acting, choreography, dance, design, directing, technical theatre, and dance and theatre history and literature. Each year, the department produces four mainstage and two second-stage theatre and dance faculty directed/choreographed productions, resulting in ample opportunity for students to gain technical and performance experience in Forrest H. Rose Theatre, a fully equipped professional facility. The Department of Theatre & Dance also frequently collaborates with the Department of Music in musical theatre

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productions. Additional projects, including those directed by students, are staged in the more intimate Lab Theatre, Parker Dance Studio, and "found spaces."

The department is actively involved with the South-eastern Theatre Conference, Midwest Theatre Auditions, American College Dance Festival, United States Institute for Theatre Technology, and the Kennedy Center/American College Theatre Festival. Students are encouraged to participate in various competitions and workshops and vie for professional employment and internships across the country.

Majors, non-majors, and community members are eligible to audition for all shows. All students may gain membership in DanceXpressions, University Players, and Black Mask Honorary Dramatic Society.

MAJOR:

Performing Arts (B.F.A.)

OPTIONS:

Acting/Directing

Dance

Design/Technical Theatre

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

Theatre (B.A.)

MINORS:

Acting/Directing

Dance

Technical Theatre

Theatre Arts

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 Geoscience

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 sciences, 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 through-

out 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, and the Southeast Missouri Regional Crime Laboratory, the Center for Environmental Analysis and the Applied Statistics Center.

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, and technology for students satisfying University Studies requirements.

BIOLOGY

Chairperson: William Eddleman

Faculty: Allan Bornstein, James Champine, Christina Frazier, Allen Gathman, Frederick Janzow, Alan Journet, Timothy Judd, John Kraemer, Mark Langenfeld, Walt Lilly, Stephen Overmann, John Scheibe, David Starrett, Rex Strange, Lucinda Swatzell, Steven Trautwein, 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, and Tri-Beta, the biology honorary society, are supported by the Department.

MAJOR:

Biology (B.S.)
Biology Education (B.S.Ed.)

MINORS:

Botany
Microbiology
Zoology

PRE-PROFESSIONAL PROGRAMS:

Pre-Chiropractic
Pre-Dentistry
Pre-Medicine
Pre-Optometry

CHEMISTRY

Chairperson: Philip Crawford

Faculty: Mohammed Ali, Marcus Bond,
Sharon Coleman, Matthew Fasnacht, Bruce
Hathaway, James W. McGill, Chris
McGowan, Bjorn Olesen, Michael Readnour,
David Ritter, Michael Rodgers

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 Southeast Missouri Regional Crime Laboratory, which is 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., B.S.)
Chemistry Education (B.S.Ed.)
Medical Technology (B.S.)

MINOR:

Chemistry

PRE-PROFESSIONAL PROGRAM:

Pre-Pharmacy

COMPUTER SCIENCE

Chairperson: Anthony Duben

Faculty: Helen Hays, Ziping Liu, David Nau-
gler, Kamayasamy Surendran, William J.
Weber, 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:

Applied Computer Science (B.S.)
Computer Science (B.S.)

MINORS:

Computer Science
Information Systems

ENVIRONMENTAL SCIENCE

Stephen Overmann, Director

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

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graduate and professional school programs related to the environmental field.

MAJOR:
Environmental Science (B.S.)
MINOR:
Environmental Science
Environmental Studies

GEOSCIENCES

Chairperson: David Probst
Faculty: Michael Aide, Gary Cwick, Issa El-Hussain, Ernest Kern, Gary Lowell, Nicholas Tibbs

The Department of Geosciences supports degrees in Environmental Science, Elementary, Middle and Secondary Education, and Biology, as well as the University Studies Program.

MINOR:
Geoscience
Pedology/Soil Science

MATHEMATICS

Chairperson: Victor Gummersheimer
Faculty: James Bruening, W. Y. Chan, Paul Deiermann, Richard Francis, Sunshine Gibbons, Imad Khamis, Avelina Lichtenegger, Cheryl McAllister, Tamela Randolph, Timothy Ray, Craig Roberts, Sharon Schwarz, Robert Sheets, Pradeep Singh, Stuart Swope, Linda Tansil, Mohan Tikoo, Thomas Wallgren, Candide Walton, Haohao Wang, Thomas Wencewicz, 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 & Statistics
Mathematics (B.S.Ed.)
MINOR:
Mathematics

PHYSICS & ENGINEERING PHYSICS

Chairperson: David Probst
Faculty: Michael Cobb, Jai Dahiya, Margaret Hill, Joseph Paikeday, Bijan Pashaie, John Tansil, Giulio Venezian

The Department of Physics and Engineering Physics offers three degree programs, all of which are designed around the set of objectives 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 <http://www.abet.org>). Engineering Physics is a hybrid of physics and electrical or computer 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 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 audiovisual 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 Astronomy 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:
Applied Physics and Engineering
Computer Applications in Physics & Engineering

Physics (B.S.)
Physics Education (B.S.Ed.)

MINORS:
Engineering Physics
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 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 Farm, Rice Research Station and the Horticulture 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-orientated 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 related industries in the area.

AGRICULTURE

Chairperson: Wesley Mueller

Faculty: Donn Beighley, Michael Best, Indi Braden, William Ellis, Harry Pry, Mack Wilson

The Department of Agriculture's teaching laboratories are supported by the 410-acre University demonstration farm, the horticulture greenhouses, 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. Student groups, including the Agriculture Club, the Horticulture Club, Golf Course Superintendents Associate of America Club, the Pre-Veterinary Medicine Club, Delta Tau Alpha (the agricultural honorary society), and a collegiate Farm Bureau chapter are actively supported.

MAJORS:

Agribusiness (B.S.)

OPTIONS:

Agribusiness
Animal Science
Horticulture

Agriculture (B.S.)

OPTIONS:

Agriscience
Plant & Soil Science

MINORS:

Agriculture
Horticulture
Soils

PRE-PROFESSIONAL PROGRAMS:

Pre-Veterinary Medicine
Pre-Vocational Agriculture Education

INDUSTRIAL & ENGINEERING TECHNOLOGY

Chairperson: Ragu Athinarayanan

Faculty: David Baird, Gregory Boyd, Raj Desai, Carla Downing, Craig Downing, Doug Koch, Ted Loso, Chenggang Mei, Sophia Scott, Randall Shaw, Shaojun Wang

The Department of Industrial & Engineering Technology B.S. degrees are accredited by the National Association of Industrial Technology (NAIT) and prepare technical and technical management-oriented professionals for employment in business, industry, education, and government. The Department maintains a close association with local industry through an advisory

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committee, internship program, research program, and Society of Manufacturing Engineers (SME) student chapter. 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.

MAJORS:

Engineering Technology (B.S.)

OPTIONS:

Electrical & Control

Manufacturing

Industrial Technology (B.S.)

OPTIONS:

Construction Management &

Design

Electronics & Computer Technology

Industrial Management

Technical Graphics

Technology

Industrial Education (B.S.Ed.)

Computer Technology (A.A.S.)

OPTIONS:

Automated Manufacturing

Microcomputer Systems

Technical Computer Graphics

MINORS:

Architectural Design

Computer Networking

Electronic Technology

Graphic Communications Technology

Industrial Management

TWO YEAR CERTIFICATES:

Design Drafting

Electronics

Graphic Technology

PRE-PROFESSIONAL PROGRAM:

Pre-Architecture

