

Southwestern College

Catalog for 2004/2005

Southwestern College

Winfield, Kansas 67156-2499

(620) 229-6000

www.sckans.edu

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Calendar 2004-2005

FALL TERM

August 9, Monday

Fall registration begins

August 16-17, Monday-Tuesday

Drive-in registration, 10 a.m.-4 p.m.

August 18, Wednesday

Residence hall sign-in, new students, 10 a.m.-2 p.m.

August 21-22, Saturday-Sunday

Residence hall and apartment sign-in, returning students, 9 a.m.-4 p.m.

August 23, Monday

Registration continues

August 25, Wednesday

Classes begin

President's Convocation, first-time freshmen

August 26, Thursday

Moundbuilding Ceremony

August 27, Friday

Matriculation Convocation, all students

September 3, Friday

Last day to enroll, or to drop or add classes

September 6, Monday

Labor Day (no classes; offices closed)

September 22, Wednesday

Assessment Day

October 8, Friday

Mid-term grades due, 5 p.m.

October 16, Saturday

Homecoming

October 25-26, Monday-Tuesday

Fall break

October 27, Wednesday

Last day to withdraw from classes

November 8-19, Monday-Friday

Course selection for spring term

November 23, Tuesday

Thanksgiving recess begins after classes

Last dining hall meal, noon

November 29, Monday

Classes resume

Dining hall opens, breakfast

December 9, Thursday

Last day of classes

December 10, Friday

Reading Day (no classes)

December 13-16, Monday-Thursday

Final examinations

December 16, Thursday

Last dining hall meal, 12 noon

Residence halls close, 6 p.m.

December 20, Monday

Final grades due, noon

December 24-December 31, Friday-Friday

College offices closed

SPRING TERM

January 3, Monday

Spring registration begins

January 9, Sunday

Residence hall sign-in,

new students 1-3 p.m.

Residence halls open,

returning students, 3 p.m.

January 10, Monday

Registration continues

Dining hall opens, breakfast

January 12, Wednesday

Classes begin

January 17, Monday

Martin Luther King Jr. Day (no classes)

January 24, Monday

Last day to enroll, or to drop or add classes

March 4, Friday

Mid-term grades due, 5 p.m.

March 16, Wednesday

Last day to withdraw from classes

March 18, Friday

Spring vacation begins after classes

Last dining hall meal, noon

Residence halls close, 6 p.m.

March 25, Friday

Spring break (offices closed)

March 27, Sunday

Residence halls open, 3 p.m.

March 28, Monday

Classes resume

Dining hall opens, breakfast

March 28-April 8, Monday-Friday

Course selection for fall term

April 6, Wednesday

Assessment Day

April 27, Wednesday

Honors Convocation

April 28, Thursday

Last day of classes

April 29, Friday

Reading Day (no classes)

May 2-May 5, Monday-Thursday

Final examinations

May 5, Thursday

Senior grades due, 5 p.m.

May 6, Friday

Residence halls and apartments close except for graduating seniors

May 8, Sunday

Baccalaureate Service, 10:30 a.m.

Commencement Convocation, 4 p.m.

May 9, Monday

Final grades due, 12 noon

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This catalog contains information and announcements about the program of Southwestern College. It does not constitute a contract.

Welcome to Southwestern

Our Vision

Southwestern College in Winfield, Kansas, is a learning community dedicated to

- intellectual growth and career preparation,*
- individual development and Christian values,*
- lifetime learning and responsible citizenship, and*
- leadership through service in a world without boundaries.*

The Vision Interpreted

Southwestern College in Winfield, Kansas, is a learning community. . .

- challenging each person to search for truth through consistent discipline of the mind.
- stimulating habits of careful reading and listening, clear speaking and writing, critical analysis and creative synthesis, individual thought and collaborative action.

• promoting rigorous intellectual competency within the context of vital interpersonal relationships.

Dedicated to intellectual growth and career preparation. . .

• emphasizing a broadly-based, value-centered liberal arts curriculum as the core of intellectual life, professional development and personal growth.

• integrating the core curriculum with career planning and preparation for a lifetime of service.

• building academic excellence and leadership potential.

Dedicated to individual development and Christian values. . .

• challenging each person to creative self-expression, aesthetic appreciation, freedom of thought, and responsible action.

• inviting students to explore ultimate reality; honoring the spiritual nature of human existence; affirming Christian values as central to an ethical, caring and inclusive community life.

• defining its historic commitment to community, freedom and diversity within a covenant relationship to the Kansas West Conference of the United Methodist Church.

Dedicated to lifetime learning and responsible citizenship. . .

• promoting responsible citizenship through active learning, professional growth and volunteer service.

• building wholeness, health and athletic abilities for lifetime physical fitness.

• encouraging lifelong intellectual and personal growth.

Dedicated to leadership through service in a world without boundaries. . .

• fostering opportunities for service in personal, family and professional life.

• recognizing the inherent worth of each person, the need for personal and social responsibility, the interdependence of all peoples, and the requirements of the age for justice and responsible living on the earth.

• inviting graduates to accept leadership roles in the emerging global community.

The Mission of Southwestern College

Southwestern College is a private institution of higher education directed by a Board of Trustees and related historically and by covenant to the Kansas West Conference of the United Methodist Church. Founded in 1885, it offers bachelor's and master's degrees.

Southwestern College:

Sets standards for admission that expect the successful completion of specific pre-college requirements.

Requires students to participate in an integrative studies program that is congruent with the liberal arts: oral and written communication skills; creativity; wellness; historical, cultural, and environmental understandings.

Welcomes students who have begun their studies at other colleges or universities and sets policy to let those credits transfer readily to Southwestern.

Offers programs leading to baccalaureate degrees that serve as foundations to professional development, graduate study, and certification in selected areas.

Offers specific programs for degree completion, and encourages those employed full time to continue their learning.

Offers programs for the emerging learning society that stress enrichment, enhancement, and personal growth.

Invites students to live in its residential community and participate in activities that enhance development of interpersonal relations and leadership potential.

Challenges students to take responsibility for the future of society, and affirms the role of individual Christians in shaping a world that preserves honesty

and integrity and nurtures communities of service and care.

Operates solely within the limits of income from tuition and fees and financial gifts from alumni and friends.

History

Southwestern College was chartered June 19, 1885, by the Methodists of Kansas as "an institution of learning of full collegiate powers." It opened its doors for forty-three students on September 7, 1886. The first name of the college was "The Southwest Kansas Conference College"; the name "The Southwestern College" was adopted November 5, 1908.

Always strong in the arts, the music program was augmented by the merger, in 1926, of the Winfield College of Music with the college.

The campus facilities were seriously affected in 1950 by a fire which destroyed the interior of the administration building. The reconstruction of this building and the subsequent erection of new academic facilities has provided the college with a modern campus to support its program.

A graduate program in education, begun in 1986, lets students earn a master of education degree or elect to take courses for professional or personal development. A graduate program in business, begun in 2000, offers the master of business administration degree.

Major steps were taken in 1994 to develop a professional studies program with the opening of a center in downtown Winfield. During 1996-98, two additional centers were opened in the city of Wichita.

Southwestern is a liberal arts college of approximately 1,400 students and 50 full-time teaching faculty members. It

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offers multiple programs on campus and selected programs for working adults through its professional studies centers and through SC Online.

Accreditation

Southwestern College is accredited by The Higher Learning Commission and is a member of the North Central Association, www.ncahigherlearningcommission.org, phone (312) 263-0456.

It is further accredited by the University Senate of the United Methodist Church, the Commission on Collegiate Nursing Education and the Kansas State Board of Nursing (nursing), the National Association for the Education of Young Children (early childhood education), the National Association of Schools of Music (music), and the National Council for Accreditation of Teacher Education and the Kansas State Department of Education (teacher education program). Southwestern students find credits taken here fully accepted in undergraduate and graduate schools across the nation.

Title II Compliance

Southwestern College is in compliance with federal regulations on disbursement of Title II information. Full information is provided in Appendix A.

Academic Information

Degrees Offered

Southwestern College confers the following degrees:

- B.A., Bachelor of Arts
- B.G.S., Bachelor of General Studies
- B.Mus., Bachelor of Music
- B. Phil., Bachelor of Philosophy
- B.S., Bachelor of Science
- B.S.N., Bachelor of Science in Nurs-

ing

M.B.A., Master of Business Administration

M.Ed., Master of Education

Students seeking a degree must fulfill all requirements as listed in this catalog. A second degree requires a minimum of 30 additional semester hours of credit.

Selection of Catalog

In most cases, students will meet graduation requirements stated in the catalog under which they first enter Southwestern College. When graduation requirements change, students may adhere to the ones listed in the catalog under which they first entered, or they may optionally select the newer catalog and follow those requirements. In either case, integrative studies and major requirements must both be met from the same catalog. Students who leave Southwestern but re-enroll having missed no more than two terms (counting fall, spring, and summer as terms) may follow the catalog under which they were previously enrolled.

Declaration of Major

Freshmen may declare majors if they wish, or work within the general curriculum. During the sophomore year, all students are encouraged to declare a major. Declaration of a major is made at the college services counter.

Declaration of Minor

Students may declare minors in certain disciplines. For specific requirements and procedures students should see the appropriate discipline listing in this catalog or should contact faculty in the discipline.

Changing Majors

A student who changes majors must assume the responsibility for any extra credits that may be involved in meeting the requirements of the new major.

Academic Advising

Academic advising is an important part of the educational process at Southwestern.

Advising for Freshmen

Freshmen are assigned a general advisor who will assist the student in the transition to college life. The student will have an ongoing relationship with the general advisor, meeting during orientation, course selection, selected social events, and various other times throughout the freshman year. Transfer students who enter with fewer than 24 hours participate in the same advising program.

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Advising after the Freshman Year

During the sophomore year, the student selects a major advisor to assist with course selection and other matters for the remainder of the student's educational experience at Southwestern.

Requirements for Graduation

Degree Requirements

These are the requirements for a degree:

1. Complete the specific course requirements for a major field of study together with required cognate courses, with a minimum grade point average of 2.00 (C) in those courses required by each major, minor, or secondary certification to be granted.
2. Complete the integrative studies requirements.
3. Complete a minimum of 124 credit hours.
4. Have an overall grade point average of 2.0 (C average).
5. Have Southwestern College course credit of at least 30 credit hours.
6. Have taken 15 of the last 30 course credit hours at Southwestern (waived for professional studies learners who are active duty military personnel under an SOC agreement).
7. Be elected to the respective degree by the faculty and by the Board of Trustees.

Degree Requirements for Transfer Students

1. Complete all items listed above.
2. Regardless of grade points earned at other institutions, have at least a C average for all work taken at Southwestern College.
3. For students transferring from two-year colleges, complete a minimum of 60 hours at a baccalaureate-degree-granting institution.
4. Accept the judgment of school administrators in substituting transfer credits for courses in the Southwestern catalog.

Integrative Studies

The general education component at Southwestern College is identified as the integrative studies program. This program is designed to move students toward outcomes which flow from the mission of Southwestern College. The mission statement places a strong emphasis on liberal arts, professional development, and personal growth. The integrative studies program is so named because Southwestern values an integrative approach to learning. We believe in synthesis rather than fragmentation, in community rather than alienation, and in the quest to discover unity while learning to appreciate our global diversity.

The integrative studies program is composed of 33 credit hours. Nine credit hours are required each semester of the first year of college work, and six credit hours each semester of the second year. Three credit hours are taken during the senior year. In addition, student development is enhanced as students participate in service and leadership activities.

All integrative studies courses are identified with the LAS prefix (for Liberal Arts and Sciences).

Goals of the Integrative Studies Program

1. Explore multiple ways of knowing to provide a foundation for intellectual curiosity and life-long learning.
2. Strengthen mathematical skills and the communication skills of listening, speaking, reading and writing.
3. Enhance the ability to integrate knowledge, to think critically, to solve problems, and to clarify spiritual and ethical values.

4. Increase understanding of diverse cultures and the potential for servant leadership and service to the global community.

5. Develop skills and attitudes which promote optimal health and well being of the total person.

6. Develop a reverence for the earth.

Integrative Studies Requirements

Full-time students must follow the plan below. Part-time students must complete all requirements for one year before beginning requirements for the next year.

Freshman Year, First Semester

Required:

110 Writing Across the Disciplines

Select Two:

130 Ancient Civilizations

150 Creativity

165 Computer, Brain, and Society

180 Planet Earth

Freshman Year, Second Semester

Required:

120 Research Across the Disciplines

Select Two:

140 Modern Civilizations

160 Applied Creativity

170 Atom and Cosmos

185 Mind, Body, Universe

Sophomore Year, First Semester

Select two from 200 level LAS course

Sophomore Year, Second Semester

Select two from 200 level LAS course

Senior Year

Required:

499 Responsibility for the Future

All courses are three credit hours.

Integrative Studies Requirements for Transfer Students

When transfer students enter Southwestern they may request waivers from some of the integrative studies requirements, based on previous course work. Waivers are granted according to these guidelines:

1. A student who has completed one semester of traditional freshman English composition with a grade of C or better may, if desired, be waived from LAS 110, Writing Across the Disciplines. Because the Southwestern course focuses on several areas beyond the traditional course, entering freshmen are urged to take it in addition to the previous course; both courses will receive full credit.

2. A student who has completed the second semester of a traditional freshman English composition sequence with a grade of C or better is waived from LAS 120, Research Across the Disciplines.

3. A student who has completed at least 12 hours with grades of C or better may be waived from two of the integrative studies elective courses. Similarly, a student with at least 24 hours with grades of C or better may be waived from four electives; 36 hours waives six electives and 48 hours waives eight electives.

4. Any student with an associate of arts degree or an associate of science degree is waived from all integrative studies requirements except LAS 499, Responsibility for the Future.

5. Any student with a bachelor's degree is waived from all integrative studies requirements.

Determination of integrative studies waivers is made at the time the student initially enters Southwestern College. Only hours successfully completed and

degrees earned at institutions recognized by the Council for Higher Education Accreditation (CHEA) are considered. Southwestern does not recognize credit for varsity athletics.

Once a student has entered Southwestern, it is expected that all remaining integrative studies requirements will be taken at the college. Students should not anticipate that hours taken, for example, in a summer session at another college will satisfy integrative studies requirements at Southwestern. Any exception to the above expectation must be approved by the integrative studies director.

Students who transfer from Southwestern to another school but then return following a gap of at least one year may ask the registrar to reevaluate their integrative studies requirements.

Honors Courses in Integrative Studies

Honors courses (HLAS) are offered each semester. These classes may be taken upon recommendation of the integrative studies program director and the instructor. As an illustration, these courses might be offered:

Freshman Year, First Semester

101 Biography

Freshman Year, Second Semester

102 History

Sophomore Year, First Semester

201 Mind-Brain Studies

203 Frontier Education

235 Language

Sophomore Year, Second Semester

202 Frontier Science

204 Ecology and Nature Conservancy

218 Epistemology: Ways of Knowing

All honors courses are three credit hours.

Majors and Course Offerings

Southwestern's curriculum provides opportunity for depth of study in a specific interest area as well as breadth of study enabling the student to encounter significant human questions. While some programs are structured to achieve specific vocational objectives, others are diversified for a variety of life planning goals. There is latitude for a student with comprehensive intellectual interests to pursue an individually structured program of general studies.

The organization of each major or program of study includes a core of essential major courses to develop a basic understanding of the chosen field. Clustered around this core may be a group of cognate courses from other departments chosen to emphasize relationships between disciplines.

In addition to the specific program requirements, students are urged to elect courses relating to cultural development and personal interests. These choices may grow out of the student's intellectual curiosity and broad commitment to the human community.

At each course level, the following numbers are reserved for the type of courses indicated.

- 51 - independent study
- 52 - readings
- 53 - problems
- 54 - projects
- 55 - topics
- 58 - special literature study
- 59 - practicum
- 60 - internship
- 61 - seminar
- 70 - field experience

Anthropology

Minor in Anthropology

Requirements:

In Anthropology:

- 219 Cultural Anthropology
- 222 North American Indian Cultures
- 325 Research Methods
- 352 Readings in Anthropology
- 355 Topics in Anthropology
- 415 Theories of Culture

Anthropology Courses

Department Code: ANTH

- 219 Cultural Anthropology.** A study of culture, its diverse forms and the meaning of cultures to contemporary people. Credit 3 hours.
- 222 North American Indian Cultures.** An ethnology course covering the culture areas and selected tribes of Native Americans at the time of first contact with Europeans. Some consideration of problems of acculturation is included. Cultural Anthropology recommended but not required as a prerequisite. Credit 3 hours.
- 325 Research Methods.** An introduction to the theory and methodology of social science research with emphasis on experimental design, data collection, statistical analysis, and report writing. Each student will actively participate in all four phases of the research process. Lecture and laboratory. Prerequisite: PSYC 112 and MATH 215. Cross-listed with Political Science and Psychology. Credit 4 hours.
- 340 Language: Structure and Meaning.** Basic information about analysis and description of human languages and ways in which human beings use their languages to communicate with one another. Cross-listed with English and Linguistics. Credit 3 hours.

415 Theories of Culture. A study of theories of culture stressing the development of anthropological thought and current trends. Credit 3 hours.

Art

Minor in Art

Requirements:

In Art:

- 123 Basic Drawing
- 215 Painting Studio 1
- 236 Ceramics

Nine hours selected from:

- 205 Traditional Photography
- 212 Stained Glass
- 216 Composing with Paint Programs
- 227 Advanced Drawing
- 336 Ceramics

Art Courses

Department Code: ART

- 103 Graphic Design.** The course will cover the basic design principles of layout, color, and typography. Class time will be spent on discussions, lectures, critiques, individual meetings, and work sessions. Cross-listed with Communication. Credit 3 hours.
- 123 Basic Drawing.** Various approaches to drawing such as contour, gesture, shading, and perspective, with the use of such tools as graphite, charcoal, ink, etc. Credit 3 hours.
- 205 Traditional Photography.** The basics of still photography, composition, and darkroom technique. Cross-listed with Communication. Credit 2 hours.
- 212-213 Stained Glass.** A course utilizing copper foil lead techniques with multi-colored glass to create traditional and innovative designs. Credit 3 hours.
- 215 Painting Studio 1.** The practice of painting techniques. Several media such as acrylic, oil, water color, and mixed media. Credit 3 hours.

- 216 Composing With Paint Programs.** The application of art, illustration and graphic design principles through paint programs such as Adobe Photoshop. Focus on art work for screen-based media, with other new media applications included. Cross-listed with Communication. Credit 3 hours.
- 217 Composing With Draw Programs.** The application of art, illustration and graphic design principles through paint programs such as Adobe Illustrator. Focus on artwork for print based media, with other new media applications included. Cross-listed with Communication. Credit 3 hours.
- 221 Sculpture.** Sculptural possibilities explored through disciplined application of form principles in a variety of materials ranging from paper, clay and stone to woods and fabrics and metal-jewelry techniques. Credit 3 hours.
- 223 Art in the Elementary School.** Lecture and workshop course. The lectures would consider the meaning of creativity in elementary education and the several stages of self-expression. The workshop portion of this course will consist of an introduction to and the use of basic art materials which might be used by the elementary teacher. Credit 3 hours.
- 227 Advanced Drawing.** Advanced principles of drawing utilizing a variety of drawing mediums. Prerequisite: 123. Credit 3 hours.
- 236-336 Ceramics.** A shop class in pottery-making. Hand-building and throwing. Credit 3 hours.

Biology

See also Marine Biology.

Biology investigates life processes at the molecular, cellular, organismal, population, and ecosystem levels. Biology is a science that demands a knowledge and application of chemical, physical and

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mathematical principles. The study of biology helps all students to understand the nature of science and the process of scientific inquiry.

Southwestern College's biology department offers a balanced program in field and laboratory science. Students have the opportunity to develop close working relationships with biology professors in the classroom, laboratory, and in the field.

The curriculum is inclusive of a wide range of subdisciplines that challenges students and empowers them to acquire the concepts and scientific problem-solving skills necessary to pursue careers in research, the health professions, education, environmental science, conservation, and other related fields. It provides students with a solid foundation of biological principles and at the same time offers students of varied backgrounds the opportunity to explore specialized topics that meet their needs and interests. The biology curriculum at Southwestern College also assists in meeting specific needs of other disciplines and serves preparatory programs in secondary teaching, nursing, and social work.

A number of the courses in the curriculum focus upon the investigative nature of biology. Lectures and discussions examine the interpretation of data, experimental design, and specific readings from the scientific literature. Laboratory and field work emphasize experimentation, student designed projects, and class projects.

B.S., Major in Biology

Major requirements:

At least 35 hours in Biology to include:

- 111 Biology 1
- 112 Biology 2
- 216 Cell Biology

230 Genetics and Evolution

461 Seminar in Biology

463 Research Design

One of the following laboratory courses:

305 Marine Biology

320 Vertebrate Natural History

336 Ecology

Cognate requirements:

In Chemistry:

111 General Chemistry 1

112 General Chemistry 2

221 Organic Chemistry 1

In Physics:

201 College Physics 1 or 211

General Physics 1

202 College Physics 2 or 212

General Physics 2

In Mathematics:

215 Introduction to Statistics

B.A., Major in Biology

Major requirements:

A minimum of 25 hours in Biology to include:

111 Biology 1

112 Biology 2

216 Cell Biology

230 Genetics and Evolution

One of the following laboratory courses:

305 Marine Biology

320 Vertebrate Natural History

336 Ecology

Cognate requirements:

In Chemistry:

111 General Chemistry 1

Secondary Certification in Biology

Requirements:

In Biology:

111 Biology 1

112 Biology 2

216 Cell Biology

221 Human Anatomy and Physiology

230 Genetics and Evolution

336 Ecology

In Chemistry:

111 General Chemistry 1

In Psychology:

301 Human Sexuality

In Integrative Studies:

280 History of Science

All requirements for Kansas teacher certification as listed in the Education section of this catalog.

Biology Courses

Department Code: BIOL

- 111 Biology 1.** The Unity of Life. Fundamental principles of prokaryotic and eukaryotic life. An examination of life processes from the molecular to the ecological level. Lecture and laboratory. Credit 4 hours.
- 112 Biology 2.** The Diversity of Life. Evolutionary diversity of eukaryotes, with an emphasis on animals and plants. Animal and plant structure and function. Lecture and laboratory. Credit 4 hours.
- 216 Cell Biology.** A study of structure and function at the molecular, organelle, and cellular levels of organization. The course will examine in detail the major cellular processes in eukaryotic cells. Lecture and laboratory. Credit 4 hours.
- 221 Human Anatomy and Physiology.** An introduction to the structure and function of the human body. Designed for students in various fields, requiring a basic but comprehensive knowledge of human anatomy and physiology. Lecture and laboratory. Prerequisite: 111 or equivalent. Credit 5 hours.
- 230 Genetics and Evolution.** An examination of the fundamentals of transmission, population and molecular genetics, and the principles of organic evolution. Lecture and laboratory. Credit 4 hours.
- 243 Comparative Anatomy of the Vertebrates.** Comparative structure of the vertebrates with emphasis upon selected types. Lecture and laboratory. Prerequisite: 112. Credit 5 hours.
- 290 Pathophysiology.** This is a foundational course in the study of physiologic and pathologic concepts of human homeostasis and alterations in homeostasis. It focuses on rationales for adaptations of human functioning to stressors and altered health states. It provides a basis for understanding alterations in functioning imposed by disease processes so that application to understanding clinical presentations can be made. Anatomy and Physiology, Chemistry, and other supplementary science courses may provide a foundational knowledge bases for this course. Prerequisite: 221. Credit 4 hours.
- 305 Marine Biology.** An introduction to the diverse array of marine organisms and marine habitats. Examination of the ecology of oceans from the intertidal to the deep sea. Emphasis upon adaptations to environmental factors and ecological relationships. Prerequisite: a college biology course or consent of instructor. Lecture and laboratory. Credit 5 hours.
- 310 Developmental Biology.** The study of patterns of development, mechanisms of cellular differentiation, and cellular interactions in development in animals and plants. Examination of the cellular, molecular, and genetic mechanisms governing these processes. Lecture and laboratory. Credit 5 hours.
- 320 Vertebrate Natural History.** Observation, identification, and life histories of vertebrate animals. Lecture and laboratory. Prerequisite: 112. Credit 5 hours.
- 321 Cadaver Dissection.** Advanced training in gross human anatomy and dissection techniques. Students will perform selected dissections on a human cadaver specimen. Prerequisite: 221 or 243 and consent of instructor. Graded S/U. Credit 1 or 2 hours.
- 322 Animal Behavior.** Examines the different philosophical approaches and experimental methodologies used to study animal behavior including ethology, comparative psychology, sociobiology, and behavioral ecology. The primary focus of these explorations will

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be to understand the proximate mechanistic causes and ultimate evolutionary explanations for the behavior of animals. A wide taxonomic spectrum of animals will be considered ranging from the simplest protozoans to guppies and human beings. Specific topics include communication, reproduction, foraging, and sociality. Credit 4 hours.

- 325 Animal Physiology.** A general and comparative examination of the major functional systems in animals. Emphasis upon regulatory mechanisms underlying physiological processes. Physiological adaptations at the cellular, molecular, and organ-system levels will be explored. Lecture and laboratory. Credit 5 hours.
- 330 Systematic Botany.** Field and laboratory work in the identification and classification of native flowering plants with consideration of their evolutionary relationships. Credit 1 to 3 hours.
- 331 Principles of Nutrition.** Utilization of basic nutrients throughout the life cycle. Emphasis on community nutrition and diet therapy. Prerequisite (or concurrent enrollment): 221 or faculty consent. Credit 3 hours.
- 334 Microbiology.** An introduction to the study of microorganisms with emphasis on bacteria. Lecture and laboratory. Credit 5 hours.
- 336 Ecology.** The relation, formation, and associations of animals and plant communities. Prerequisites: 111 and 112. Lecture and laboratory. Credit 5 hours.
- 352 Readings in Biology.** An independent study course in the biological sciences for reading in specific and advanced fields of study. Open to students of junior/senior standing with 8 or more hours in biology. Consent of instructor required. Graded S/U. Credit 1 or 2 hours.
- 353 Problems in Biology.** An independent study course in the biological sciences that utilizes one or more components of the scientific method in conducting field or laboratory research: lit-

erature review, development of methodologies, data collection, data analysis and/or the writing of a scientific paper. Open to students of junior/senior standing with 8 or more hours in biology. Consent of instructor required. Graded S/U. Credit 1 or 2 hours.

- 430 Biochemistry.** An introduction to the structure and function of biomolecules. Emphasis on proteins and carbohydrates. Protein structure, enzyme kinetics, and regulation are studied as are carbohydrates and their metabolism. Structure of lipids, steroids, and nucleic acids are taught; a brief time is given to their synthesis and reactions within the cell. Prerequisites: Chemistry 111, 112, 221, and either 222 or permission from the instructor. Cross-listed with Chemistry. Credit 5 hours.
- 461 Seminar in Biology.** While content will vary from year to year, the general theme of this seminar will be evolutionary biology. Credit 1 hour.
- 463 Research Design.** This course will cover aspects of biological research including research opportunities, library and computer resources, data reduction and analysis, scientific writing, and illustration techniques. Each student will choose a research advisor or off-campus internship and submit a research proposal for departmental approval. Credit 1 hour.
- 464 Senior Research.** Library research, development of methodologies, data collection, data analysis, and writing of the scientific paper. Prerequisite: 463. Credit 3 hours.

Business Administration

The business administration division offers the B.A. and B.S. degree in eleven different major areas after students complete a core of foundation courses. The

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curriculum in these major areas reflects the current and projected needs of the global business community and will prepare graduates to address the challenges of leadership in the rapidly changing world of business.

Students whose major or minor is within the business administration division must earn a grade of C or better in each course taken within the division to meet graduation requirements.

Core requirements:

In Business:

- 210 Business Communications
- 318 Quantitative Methods for Business
- 322 Management
- 393 Legal and Ethical Environment of Business
- 394 Marketing
- 395 Corporate Finance
- 497 Business Strategy and Policy (Capstone)

In Economics:

- 101 Principles of Microeconomics
- 102 Principles of Macroeconomics

In Computer Science and Digital Arts:

- 210 Introduction to Computer Systems
- 323 Communication Technologies

In Accounting:

- 281 Financial Accounting
- 283 Managerial Accounting

In Mathematics:

- 110 College Algebra
- 215 Introduction to Statistics

All requirements of one major area (below)

B.A., Major in Accounting

Requirements:

In Accounting

- 385 Tax Accounting
- 386 Cost Accounting
- 391 Intermediate Accounting 1
- 392 Intermediate Accounting 2
- 459 Practicum or 460 Internship

Six additional hours of 300 level or above of courses within the division (including OMGT 415 and OMGT 425 offered through Professional Studies program).

Minor in Accounting

Requirements:

In Accounting

- 281 Financial Accounting
- 283 Managerial Accounting
- 385 Tax Accounting
- 386 Cost Accounting

Nine additional hours of accounting courses of 300 level or above (including BUS 497)

B.A., Major in Business Administration

Major Requirements:

In Business

- 326 Investments
- 327 Consumer Behavior
- 328 Organizational Behavior
- 445 Management Decision Making
- 459 Practicum or 460 Internship

Six additional hours of 300 level or above from courses within the division (including OMGT 415 and OMGT 425 offered through Professional Studies program).

Minor in Business Administration

Requirements:

In Accounting:

- 281 Financial Accounting

In Business:

- 322 Management
- 394 Marketing

In Economics:

- 101 Principles of Microeconomics

Nine additional hours of 300 level or above from courses within the division. All prerequisites for courses must be met.

B.A., Major in Business Communications

Major requirements:

In Business:

- 459 Practicum or 460 Internship

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In Communication:

- 102 Elements of Oral Communication
- 110 Media Writing 1
- 294 Public Relations
- 315 Persuasion

Six additional hours of 300 level or above from courses within the division (including COMM 201, 215, 238; CPTR 211, 345; and ENG 260).

B.S., Major in Business and Computer Information Systems

Major requirements:

In Business:

- 459 Practicum or 460 Internship

In Computer Science and Digital Arts:

- 211 Basic Information and Web site Design
- 216 Visual Basic Programming
- 316 Advanced Visual Basic Programming
- 320 Database Management
- 324 Network and Operating Systems Management
- 440 Decision Support Systems

B.A., Major in Business Education

Major requirements:

In Business

- 328 Organizational Behavior
- 390 Operations Management
- 437 Business and Professional Ethics
- 438 Teaching Secondary School Business

Six additional hours of 300 level or above from courses within the division.

All requirements for Kansas teacher certification as listed in the Education section of this catalog.

B.A., Major in Entrepreneurship/Small Business Management

Major requirements:

In Accounting

- 332 Accounting for Small Business

In Business

- 334 Small Business Management
- 445 Management Decision Making
- 446 Strategies for Small Business
- 459 Practicum or 460 Internship
- 495 Entrepreneurship

Six additional hours selected from HRD 345, OMGT 415, and OMGT 425 (offered through Professional Studies program).

B.A., Major in Finance

Major requirements:

In Business

- 326 Investments
- 329 Money and Banking
- 330 Real Estate
- 331 Risk Management
- 459 Practicum or 460 Internship

Six additional hours of 300 level or above from courses within the division (including OMGT 415 and OMGT 425 offered through Professional Studies program).

B.A., Major in Management

Major requirements:

In Accounting

- 386 Cost Accounting

In Business

- 328 Organizational Behavior
- 390 Operations Management
- 445 Management Decision Making
- 459 Practicum or 460 Internship

Six additional hours 300 level or above from courses within the division (including OMGT 415 and OMGT 425 and HRD 345 offered through Professional Studies program).

B.A., Major in Marketing

Major requirements:

In Business

- 327 Consumer Behavior
- 328 Organizational Behavior
- 333 Advertising
- 432 Marketing Strategy
- 459 Practicum or 460 Internship

Six additional hours of 300 level or above from courses within the division (including COMM 294).

B.A., Major in Not-for-Profit Management

Major requirements:

In Accounting

331 Not-for-Profit Accounting

In Business

335 Resource Development for NFP

336 Public Policy

339 The Not-for-Profit Sector

447 Strategies for NFP Organizations

459 Practicum or 460 Internship

Six additional hours of 300 level or above from courses within the division (including POLS 338).

B.A., Major in Sustainable Economic Development

Major requirements:

In Business

338 Conflict Resolution

448 Politics of Growth

449 Community/Land Use Planning

459 Practicum or 460 Internship

In Economics

334 Environmental Economics

Six additional hours of 300 level or above from courses within the division.

Accounting Courses

Department Code: ACCT

281 Financial Accounting. Emphasizes comprehending the informational content of the principal financial statements and analyzing and evaluating these statements in a decision-making context. Course procedures include group interaction, written assignments and written examinations. Credit 3 hours.

283 Managerial Accounting. The study of accounting in terms of management's information requirements. Emphasizes the use of accounting information to assist management in planning, analyzing and implementing business deci-

sions and activities. Course procedures include group interaction, written assignments, completion of cases and written examinations. Prerequisite: 281. Credit 3 hours.

330 Accounting/Financial Information Systems. A study of the concepts of information systems, their design and operation and the relationship of these concepts to the economic information requirements, information flows, decision criteria and control mechanisms in the business organization. Course procedures include group interaction, written assignments, completion of cases and papers and written examinations. Prerequisite: 283. Credit 3 hours.

331 Not-for-Profit Accounting. An expansion of accounting concepts and practices relating specifically to not-for-profit and governmental entities. Course procedures include group interaction, written assignments, completion of papers and cases and written examinations. Prerequisite: 283. Credit 1 hour.

332 Accounting for Small Business. Provides theoretical and hands-on understanding of microcomputer accounting using generalized application packages such as Excel as well as specific multi-function proprietary software such as Peachtree and QuickBooks. Accounting functions will include critical design elements, setting up the chart of accounts, entering balances, transactions, generating financial reporting and tax reporting. Course procedures include group interaction, written assignments, completion of papers and cases and written examinations. Prerequisite: 283. Credit 2 hours.

385 Tax Accounting. An overview of the federal tax laws. Emphasizes the fundamental concepts in determining income, deductions, credits and property transactions. Examines the impact of tax regulations on decision making. Course procedures include group interaction,

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written assignments, completion of cases and papers and written examinations. Prerequisite: 283. Credit 3 hours.

386 Cost Accounting. The use of accounting information to assist management in planning, analyzing and operational control in contemporary business contexts. Course procedures include group interaction, written assignments, completion of papers and cases and written examinations. Prerequisite: 283. Credit 3 hours.

391 Intermediate Accounting 1. A thorough study of conceptual and technical aspects of financial accounting and reporting. Emphasizes recognition and measurement problems of income determination and balance sheet presentation. Course procedures include group interaction, written assignments, completion of papers and cases and written examinations. Prerequisite: 283. Credit 3 hours.

392 Intermediate Accounting 2. A continuation of 391. Course procedures include group interaction, written assignments, completion of papers and cases and written examinations. Prerequisite: 391. Credit 3 hours.

445 Auditing. A study of the auditor's attest function, including auditing standards and procedures, independence, legal responsibilities, codes of ethical conduct and evaluation of accounting systems and internal control. Course procedures include group interaction, written assignments, completion of cases and papers and written examinations. Prerequisite: 392. Credit 3 hours.

446 Advanced Accounting. An expansion of accounting concepts and practices relating to consolidation of statements and partnerships. Course procedures include group interaction, written assignments, completion of cases and papers and written examinations. Prerequisite: 392. Credit 3 hours.

Business Courses

Department Code: BUS

210 Business Communications. Course focuses on audience-oriented communication in the corporate culture. Oral and written communication forms, created with a corporate audience in mind, will be practiced using PowerPoint and other visual aids. Emphasis will be on developing and demonstrating communication skills, both singularly and in groups. Course procedures include oral and written communications, group interaction in class, and group project. Cross-listed with English and Communication. Credit 3 hours.

220 Introduction to Sport Management. This course is designed to provide an overview of the structure of the sports industry and to highlight the scope and variety of career opportunities in the area. The value of professional management to sports organization will also be emphasized. Attention will be given to the issues facing sport organizations and to the use of management techniques to solve business-related problems. The development of effective communication skills, both written and oral, will be emphasized through class presentations and written assignments. Cross-listed with PESS 220. Credit 3 hours.

240 Mini-Topics in Sport (Law, Finance, and Facilities). The course will be divided into three sections and will include the exploration of law concepts as they apply to the context of sport, a look at the financial operations and economic conditions relative to intercollegiate athletics with exposure to professional and interscholastic athletics, and the concepts of facility design and layout. Cross-listed with Physical Education and Sport Studies. Credit 2 hours.

315 Sales: The Influence Management Process. This course is designed to examine sales as the indispensable element in the marketing mix which cre-

ates a proactive response with customers. The problem-solving approach which increases productivity and organizational effectiveness will be discussed in detail. Course procedures include oral and written communications, group interaction in class, and major presentations. Credit 3 hours.

- 318 Quantitative Methods for Business.** An introduction to the quantitative reasoning required in business and economics. The course includes the study of basic algebraic functions, differential calculus, descriptive measures, sampling distributions, estimation and hypothesis testing with emphasis on applied problems in business and economics. Additional topics may include linear programming techniques, linear- and multiple regression analyses and the introduction of structural modeling techniques in the solution of business problems. The coursework requires extensive research, case studies, oral and written presentations and group interaction. Prerequisites: MATH 110, MATH 215. Credit 3 hours.
- 320 SIFE (Students in Free Enterprise).** Students will meet weekly in a common class to generate and define free enterprise educational outreach projects. Students will work outside of class to develop and implement these projects within the community. Projects must fall into one of four categories: Business and Professional Ethics, Personal Financial Success Skills, Entrepreneurship, Free Market Economics Principles. Through these project activities students will learn and apply the fundamental principles of the free enterprise system in a service learning environment. Students will have the opportunity to travel and present the effectiveness of their projects in competition against other colleges and universities. May be repeated for credit. Credit 1 hour.
- 322 Management.** Course is designed to establish a foundation of sound man-

agement skills for future business leaders. Managing communication, people, quality, and economic change will highlight this human resource development process. Course procedures include oral and written communication, group interaction, and major presentations. Credit 3 hours.

- 326 Investments.** The course covers the principles of securities analysis and valuation from the perspectives of the individual and institutional investor. Emphasis is placed on portfolio theory and modern philosophies of portfolio analysis and selection. Topics include stocks, bonds, mutual funds, derivatives, international trading, and the organization and functions of the securities markets and the SEC. Prerequisites: 318 and 395. Credit 3 hours.
- 327 Consumer Behavior.** A study of the buyer's information acquisition, evaluation, purchasing and post-purchasing evaluation process. Emphasis is placed upon social psychological theories and their implications on the understanding and prediction of consumers' behavior. The student will apply behavioral science concepts to the problems of planning, pricing and promotion decision. Prerequisites: 318 and 394. Credit 3 hours.
- 328 Organizational Behavior.** Individual and work group behavior in organizations. Exercises in the dynamics of power, developing leadership, facilitating quality and change, and interpersonal communication skills will be emphasized. Course procedures include oral and written communications, group interaction in class, and a major presentation. Cross-listed with Psychology. Credit 3 hours.
- 329 Money and Banking.** The course topics include the study of contemporary money and banking concepts including the role of money in the domestic and world economies, government regulation of the money supply, banking systems and the role of the Federal Re-

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serve Bank. The course may include guest speakers, case studies, extensive research and development of oral and written presentations and group interaction. Prerequisites: 395 and ECON 102. Credit 3 hours.

330 Real Estate. This is an introductory course in the fundamentals of real estate including property rights, ownership, financing, brokerage, investing and home buying and selling. The course also includes a survey of the various kinds of deeds and conveyances, mortgages, liens, rentals, appraisals and other types of real estate transactions. The course will include guest speakers, extensive research requirements, oral and written presentations and group interaction. Prerequisites: 393, 394, and 395. Credit 3 hours.

331 Risk Management. The course covers the concepts of risk and risk management, what insurance is and how it is distributed to the public, essential insurance terms and concepts, various insurance products, the importance of risk management and insurance to business and society. The course will include guest speakers, a survey of career opportunities in risk management, case studies, oral and written presentations and group interaction. Prerequisite: 318. Credit 3 hours.

332 Project Management. An introductory course in project management including quantitative techniques such as PERT/CPM, simulations, decision trees as well as the development of project proposals, project monitoring and project evaluation. The course requirements include substantial use of computerized planning and scheduling modules, case studies, oral and group presentations, and group interaction. Prerequisite: 318. Credit 3 hours.

333 Advertising. The course will deal with the use of advertising and public relations elements in a promotional program. The emphasis will be on the efficient use of an organization's resources

to accomplish communication goals through effective promotional strategy. The student will study the communication process and how information is processed by the receiver, determination of promotional objectives, promotional budgets, media decisions, measuring the effectiveness of promotional campaigns. The ultimate goal of the course is to provide students the tools necessary to devise and evaluate advertising and marketing communications programs for any given product, service or idea. Prerequisites: 318 and 394. Credit 3 hours.

334 Small Business Management. An introduction to the multi-faceted nature of owning and operating a small business. The course will focus primarily on the management of an existing small business enterprise but will touch on the topic of entrepreneurship. Topics will include managing employees, inventory management, accounting and financial concerns, merchandising, sales, planning and scheduling, customer service, strategic alliances, basic legal issues. Students will partner with a small business owner to provide context and content for learning experiences. Prerequisites: 318 and 393. Credit 3 hours.

335 Resource Development for NFP. The course will cover the primary financial management issues faced in NFP, NGO and PVO organizations. Topics will cover fund raising, grant writing, development of strategic partnerships and the allocation and distribution of funds. Students will develop an actual grant proposal for an RFP (Request for Proposal from a funding agency) during the course. Prerequisites: 322 and 339. Credit 3 hours.

336 Public Policy. The course explores governmental and business policy decisions and governmental regulations affecting business as well as the social responsibility of business and includes examination of economic considerations of policy decisions and as a tool

of administration. The coursework includes extensive research and readings, case studies, oral and written presentations and group interaction. Prerequisites: 339. Credit 3 hours.

338 Conflict Resolution. The course covers the topics of communications, conflict, negotiation, public relations, and leadership issues as they apply to the not-for-profit, small business, entrepreneurial and public administration/economic development /community planning areas of business. Students will develop individual personality assessments including personality types, preferences and styles. Students will also study interpersonal interaction and group dynamics. Special emphasis will be given to conflict assessment, resolution, negotiation theory as well as the contingency style of management and leadership. Prerequisites: 322 and 393. Credit 3 hours.

339 The Not-for-Profit Sector. An exploration of the goals of the not-for-profit (NFP), private volunteer organization (PVO) and non-governmental organization (NGO) and of the wide variety of issues faced by employees and managers in these organizations. Topics include managing volunteers, public and client relationships, grant writing, budget management, accounting/reporting requirements, staff motivation and development, strategic planning, mission development, staffing and more. The course will include extensive outside research and networking, case studies, readings, class discussion, oral and written presentations and group interaction. Prerequisites: ECON 102. Credit 3 hours.

344 Sport Marketing. Course is designed to develop an understanding and appreciation of the unique aspects of marketing as related to sport. Cross-listed with Physical Education and Sport Studies. Credit 3 hours.

345 Management Processes in Sport. Course is designed to establish a knowl-

edge and understanding of basic management concepts including planning, organizing, leadership, and evaluation. Cross-listed with Physical Education and Sport Studies. Credit 3 hours.

390 Operations Management. The use of quantitative methods in the decision-making process. Topics include regression analysis, forecasting, linear programming, quality control and continuous improvement, and scheduling. Course procedures include quantitative methods. Prerequisites: MATH 110 and 215, or consent of instructor. Credit 3 hours.

393 Legal and Ethical Environment of Business. A course designed to explore the legal and ethical aspects of business and the interaction of these entities. Contracts, the uniform commercial code, liability of businesses, Federal RICO, and mail fraud statutes will be covered. Ethical issues of business will be studied using economic measures in addition to traditional ethical tools. Course procedures include oral and written communications, group interaction in class, and major presentations. Credit 3 hours.

394 Marketing. Product concepts, from idea to delivery to the ultimate consumer, will be examined. Also included will be pricing, promotion, distribution, and planning for the marketing effort. Emphasis on being an informed consumer included. Course procedures include oral and written communications, group interaction in class, and group project. Cross-listed with Communication. Credit 3 hours.

395 Corporate Finance. An introduction to the long-term and short-term investing and financing decisions required in the financial management of a business. Course procedures include quantitative methods, oral and written communications, group interaction in class, and a major presentation. Prerequisite: Acct 281 or consent of instructor. Credit 3 hours.

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- 398 Creativity in the Workplace.** Creativity: Historical, biographical, and cinematic examinations of the issue of creativity. Fundamental questions posed: What is creativity? Why do we need to be creative? Are there ways to master creative responses to problems within life planning as well as for academic work? In what way can creativity enhance productivity, interpersonal relations, and professional development in the workplace? Credit 3 hours.
- 420 Business and Administrative Communication.** The study and writing of technical reports, letters, memos, resumes, progress reports, and proposals. The course will also include various functions associated with writing: organization, sentence structure, and grammar in conjunction with rhetorical theory. Cross-listed with English. Credit 3 hours.
- 425 International Business.** An overview of business practices worldwide. Focus on how U.S. managers can effectively manage a business enterprise outside the U.S. Prerequisite: 322. Course procedures include oral and written communications, group project, and major presentation. Credit 3 hours.
- 432 Marketing Strategy.** The emphasis in this course is on strategic marketing analysis and planning and integration of marketing concepts into a strategic planning framework. Concepts and methods for the strategic analysis of product-market definition, segmentation, product positioning and new product planning are examples of individual subjects that are covered. The students will apply concepts to realistic marketing problems through marketing simulations and/or case studies that capture the dynamics of the marketing environment. Students will learn how to identify markets, assess company strengths and weaknesses, target market segments, analyze competition and develop specific functional strategies in such areas as product development, pricing, distribution and promotion. Prerequisites: 322, 394, and 395. Credit 3 hours.
- 437 Professional and Business Ethics.** An approach to the ethical challenges of a modern business society. The course will utilize the expertise of professionals working in the various areas of business as well as the moral reasoning of ethicists. Course procedures include oral and written communications, group interaction in class, group project, and a major presentation. Cross-listed with Philosophy. Credit 3 hours.
- 445 Management Decision Making.** This course introduces the student to statistical methods using quality improvement tools and techniques, and Microsoft Excel applications in a variety of process control functions. Fundamental statistical concepts and techniques are used as the foundation for the development and interpretation of attributes and variables, and as data sources for the purpose of improving processes in business and production environments. Process capability and graphical methods for data presentation are also discussed. Credit 3 hours.
- 446 Strategies for Small Business.** The course emphasizes the unique differences in strategic approaches toward management of growth, cost/revenue, product development and distribution, etc. for the small business owner/manager/entrepreneur versus the corporate entity. Should be taken concurrently or following 497. Credit 1 hour.
- 447 Strategies for NFP Organizations.** An introduction and analysis of the unique strategies employed by NFP organizations with regard to growth, revenue/cost management, promotion, product/service distribution and development. The course will employ case studies, outside readings and guest lecturers. Should be taken concurrently or following 497. Credit 2 hours.
- 448 Politics of Growth.** The course will focus on the dynamics of developing a

community's economy and managing its physical growth and expansion in ways that enhance and sustain the quality of local and regional community life. Students will examine policies, programs and techniques in the public management of economic development, business attraction and retention, land use, growth management, housing, public facilities and infrastructure and environmental preservation. The course will also address the economic, demographic, spatial and political forces driving change in urban and rural areas and impacting community sustainability. Should be taken within the student's final two semesters prior to graduation. Credit 3 hours.

449 Community/Land Use Planning.

The course will focus on presenting and developing the tools, techniques and principles employed in sustainable land use planning. Topics discussed will include creating and maintaining an efficient infrastructure, maintaining close-knit neighborhoods and sense of community and preservation of natural systems. The complex problems of urban sprawl and rural communities will be compared and contrasted as well as topics such as zoning ordinances and low-density versus high-density growth planning. Prerequisite: ECON 334. Credit 3 hours.

450 International Trade Policy. The course topics include theories of international trade, tariffs and non-tariff trade barriers, arguments for free-trade versus protectionism, the role of money, balance of payments, foreign exchange rates and their determination and regional economic alliances. The course will include extensive research, case studies, readings, oral and written presentations and group interaction. Credit 3 hours.

456 International Finance. The course is an introductory course in international finance. Topics are studied from the perspective of a global corporation. Topics

include exchange rate theory, the foreign exchange markets, management of exchange rate risk, country risk assessment, global mobilization of financial resources. The course will include extensive research, case studies, oral and written presentations and group interaction. Prerequisite: 395. Credit 3 hours.

495 Entrepreneurship. Students will prepare a complete business plan for an organization they may wish to start. There will be emphasis on the structural, legal, and financial aspects of entrepreneurship. The course explores sources of information, common start-up problems and methods for analyzing situations for profitable entry. The course will include guest speakers, visits to existing small businesses and start-ups, case studies, and class discussions. Students will prepare oral and written presentations and engage in group activities. Extensive outside research and networking required. This class is designed to help students jump-start their careers and put their education into practice. Class should be taken within the student's final two semesters prior to graduation. Prerequisite: 334. Credit 3 hours.

497 Business Strategy and Policy/Capstone. BBA capstone course. Focus on problem-solving, creative solutions, and brainstorming, using guided intuitive processes to reach group conclusions on given entrepreneurial dilemmas. Course procedures include quantitative methods, oral and written communications, group interaction in class, group project, and major presentation. Prerequisites: 322, 394, 395, ACCT 281, and 283, or consent of instructor. Credit 3 hours.

Economics Courses**Department Code: ECON**

101 Principles of Microeconomics. A theory and issues-oriented approach to the study of economics. Basic eco-

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conomic principles and tools introduced and developed through study of important social issues including inflation, unemployment, poverty, discrimination, crime, environmental quality and other contemporary topics. Develops the economist's approach to social problems and evaluates the contribution of economics to their solution. Course procedures include quantitative methods, oral and written communications, and group interaction in class. Credit 3 hours.

102 Principles of Macroeconomics. A theory and issues-oriented approach to economics. Systematically develops the elementary principles of the determination of income, employment, output, economic growth, government spending, taxation, and international trade. Course procedures include quantitative methods, oral and written communications, and group interaction in class. Credit 3 hours.

317 Economic History and Economic/Business Systems. Focuses on economic history and on the institutions and practices—largely business—affecting the output and distribution of goods and services (including social services) and affecting where and how people live and work and related values, while taking into account historical, philosophical, legal, and administrative perspectives. Course procedures include oral and written communications and group interaction in class. Credit 3 hours.

334 Environmental Economics. The course emphasizes balancing our concerns for the economy and individual rights with the ecosystem and community values. Issues such as: sustainable economic growth and technology, values that drive the ecological debate, perspectives on work, leisure and philosophy of life will be addressed. The conflict between the desire for personal freedom and the need for community/global responsibilities will be rational-

ized by the examination of a comprehensive economic model. Cross-listed with LAS 210. Credit 3 hours.

Chemistry

Chemists study the composition, structure, and properties of substances and the interactions between them. They search for new information about materials and look for ways to put this knowledge into practice. Southwestern College chemistry students learn chemistry by performing hands-on experiments, using modern instrumentation, and even designing their own experiments.

The major branches of chemistry are organic, inorganic, physical, analytical, and biological. The chemistry program at Southwestern College exposes students to these areas and prepares students for a number of career options. Recent graduates have accepted positions in the chemical and pharmaceutical industries, attended graduate school, and attended professional schools such as medical, dental, and pharmacy.

Employers seek motivated employees who have the ability to work independently yet can also work effectively in a group. Chemistry and biochemistry majors learn to work with other students and have the opportunity for independent study in advanced laboratories and independent research.

Dual Degree Program

Southwestern College cooperates with Washington University in St. Louis in a dual degree program leading to undergraduate degrees in chemistry and in chemical engineering. Students complete the requirements for the B.A. in chem-

istry and all integrative studies requirements at Southwestern before transferring to Washington University for the final two years of the chemical engineering curriculum. The program is designed as a '3-2' plan (3 years at Southwestern and 2 years at Washington), but could be done as a '4-2' plan if a student desires to stay at Southwestern for four years before transferring. Upon completion of the Washington University chemical engineering curriculum, the student is granted a B.A. in chemistry from Southwestern and a B.S. in chemical engineering from Washington University.

Students interested in the dual degree program in chemical engineering should contact a member of the chemistry department.

B.S., Major in Biochemistry

Major requirements:

In Chemistry:

- 111 General Chemistry 1
- 112 General Chemistry 2
- 221 Organic Chemistry 1
- 222 Organic Chemistry 2
- 324 Analytical Chemistry
- 345 Biophysical Chemistry
- 430 Biochemistry
- 461 Seminar in Chemistry
- 463 Research Design

In Biology:

- 111 Biology 1: The Unity of Life
- 230 Genetics and Evolution

Cognate requirements:

In Mathematics:

- 222 Calculus 1

In Physics:

- 211 General Physics 1
- 212 General Physics 2

B.A., Major in Chemistry

Major requirements:

In Chemistry:

- 111 General Chemistry 1
- 112 General Chemistry 2

221 Organic Chemistry 1

222 Organic Chemistry 2

461 Seminar in Chemistry

Two additional courses from the following:

324 Analytical Chemistry

345 Biophysical Chemistry

430 Biochemistry

Cognate requirements:

In Mathematics:

- 222 Calculus 1

In Physics:

201 College Physics 1 or

211 General Physics 1

Additional courses in Biology, Physics, and Mathematics may be recommended by advisor, depending upon academic goals of student.

Secondary Certification in Chemistry

Requirements:

In Chemistry:

- 111 General Chemistry 1
- 112 General Chemistry 2
- 221 Organic Chemistry 1
- 222 Organic Chemistry 2
- 324 Analytical Chemistry
- 430 Biochemistry

In Integrative Studies:

- 280 History of Science

In Mathematics:

- 110 College Algebra
- 112 Trigonometry
- 222 Calculus 1

All requirements for Kansas teacher certification as listed in the Education section of the catalog.

Chemistry Courses

Department Code: CHEM

101 Introduction to Chemistry. Topics to be studied include measurements, stoichiometry, electrolytes, chemical reactions, the periodic table, and acid-base chemistry. Recommended for students requiring a terminal course in chemistry or for those requiring a preparatory course for 111. This course is

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not open to students who have already completed 111. Credit 4 hours.

- 111 General Chemistry 1.** Stoichiometry, periodic properties of representative elements, structure of atoms and molecules, thermal chemistry, gas laws, and properties of gases, liquids, and solids. Prerequisite or corequisite: MATH 110 or equivalent. Credit 4 hours.
- 112 General Chemistry 2.** Acid base chemistry, solutions, chemical equilibrium, kinetics, and aqueous equilibria. Prerequisite: 111 or equivalent. Credit 4 hours.
- 221 Organic Chemistry 1.** The functional groups found in organic chemistry, with emphasis on their structures, physical properties, and reactions (selected). Prerequisite: 112. Credit 5 hours.
- 222 Organic Chemistry 2.** Mechanisms of chemical reactions, emphasizing synthesis. Introduction of instrumental analysis such as NMR, IR, and mass spectroscopy. Prerequisite: 221. Credit 5 hours.
- 324 Analytical Chemistry.** A survey of modern methods of chemical analysis including titrations, equilibrium techniques, electrochemistry, spectroscopy, and separation procedures. Emphasis is given to analytical calculations. Two lecture hours and 6 lab hours per week. Prerequisite: 112. Credit 4 hours.
- 327 Qualitative Organic Chemistry.** Course consists of reactions and instrumentation used to determine structure of organic compounds, approached on basis of their functional groups. Prerequisites: 111, 112, 221, and 222 or their equivalents. Credit 2 to 4 hours.
- 345 Biophysical Chemistry.** Theoretical treatment of gases, solids, liquids and solutions, using thermodynamics, electrochemistry and reaction kinetics will be discussed. Problems will have a biochemical emphasis. Prerequisites: 111, one year of college physics, and Calculus 1. Credit 3 hours.
- 421 Advanced Organic Chemistry.** The functional groups found in Organic

Chemistry are discussed with emphasis on their structures, physical properties and reactions. Mechanisms of chemical reactions emphasizing synthesis will be discussed. Use of instrumental analysis such as NMR, IR, and mass spectroscopy will be presented. Prerequisites: 221 and 222. Credit 3 hours.

- 430 Biochemistry.** An introduction to the structure and function of biomolecules. Emphasis on proteins and carbohydrates. Protein structure, enzyme kinetics, and regulation are studied as are carbohydrates and their metabolism. Structure of lipids, steroids, and nucleic acids are taught; a brief time is given to their synthesis and reactions within the cell. Includes one laboratory per week. Prerequisites: 111, 112, 221, and either 222 or permission of instructor. Cross-listed with Biology. Credit 5 hours.
- 461 Seminar in Chemistry.** The class will focus on the presentation of papers on current topics in chemistry. The student will develop the skills needed for researching and delivering a technical seminar. Prerequisite: Junior standing in the biochemistry major or permission of the instructor. Credit 1 hour.
- 463 Research Design.** This course will introduce aspects of chemical and biochemical research including research opportunities, library and computer resources, experimental design, data reduction and analysis, scientific writing, and illustration techniques. Each student will choose a research advisor or off-campus internship and submit a research proposal for departmental approval. Credit 1 hour.
- 464 Senior Research.** Senior projects will include a literature review, development of methodologies, data collection, data analysis, and a written report. Prerequisite 463. Credit 3 hours.

Communication

The communication major includes coursework in radio/television, journalism, new media, speech and communication arts. It is also closely allied with elements in the computer science and digital arts major. As a point of distinction, both majors include the study of content and communication principles now demanded by the field, plus a strong hands-on component. As a second point of distinction, each of these majors goes beyond simply listing coursework required for entry and success in the field. The curriculum at Southwestern also takes into consideration the native abilities/skills each student brings to the program, and offers coursework avenues uniquely suited to students with those varying skills. These avenues are referred to as emphasis areas. Between communication and computer science and digital arts, there are seven from which to choose.

Students also have the option of not selecting an emphasis area, working instead with their advisor to select a unique combination of courses. No one with genuine interest need be left out of this multifaceted field. With a strong focus on goals and the guidance of our faculty, students can find and succeed in the communication/new media/computer science/digital arts career path most suited to them.

B.A., Major in Communication

Major requirements:

In Communication:

- 101 Survey of Mass Communications
- 102 Elements of Oral Communication

- 103 Graphic Design
- 110 Media Writing 1
- 315 Persuasion
- 410 Theories of Human Communication

All requirements of one emphasis area (below)

Emphasis in Radio/Television Production and Performance

In Communication:

- 111 Radio Production
- 112 Video Production
- 212 Digital Video and Motion Graphics
- 230 Voice and Diction or 201 Media Writing 2
- 231 Radio Experience (minimum 3 hours)
- 233 TV Experience (minimum 3 hours)
- 246 History of Television
- 248 History of the Cinema
- 312 Visual Storytelling

Plus 6 hours from within the communication/computer science division or external to the division with advisor approval. See the other emphases and suggested coursework.

Emphasis in Journalism

In Communication:

- 111 Radio Production
- 112 Video Production
- 201 Media Writing 2
- 205 Traditional Photography
- 206 Digital Photography
- 212 Digital Video and Motion Graphics
- 221 Newspaper Experience (minimum 2 hours)
- 223 Yearbook Experience (minimum 2 hours)
- 312 Visual Storytelling
- 345 Desktop Publishing

Plus 6 hours from within the communication/computer science division or external to the division with advisor approval. See the other emphases and suggested coursework.

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Emphasis in New Media

In Communication:

- 201 Media Writing 2
- 206 Digital Photography
- 212 Digital Video and Motion Graphics
- 345 Desktop Publishing
- 346 Multimedia Authoring for CD ROM and the Web

In Computer Science and Digital Arts:

- 211 Basic Information and Web site Design

In English:

- 260 Advanced Composition
- 340 Language: Structure and Meaning

Choose one of the following:

In Communication:

- 320 Advanced Web site Design: Graphic Techniques or

In Computer Science and Digital Arts:

- 321 Advanced Web site Design: Dynamic Sites; Interactivity

Plus 6 hours from within the Communication/Computer Science Division or external to the division with advisor approval. See the other emphases and suggested coursework.

Emphasis in Communication Studies

In Communication:

- 203 Interpersonal Communication
- 215 Intercultural Communication
- 238 Group Communication

In English:

- 260 Advanced Composition

In History:

- 333 20th Century U.S.

In Psychology:

- 112 General Psychology

Four courses selected from the following:

In Communication:

- 208 Critical Thinking and Argumentation
- 230 Voice and Diction
- 328 American Public Address
- 355 Special Topics in Communication (3 hours)

417 Organizational Communication
Students must also complete a minimum 2 hours practicum

Emphasis in General Communication

27 credit hours selected from within the division in coordination with a computer/communication representative.
6 additional hours from within the communication/computer science division or external to the division with advisor approval.

Suggested additional coursework for all emphasis areas:

In Communication:

- 104 Software Lab
- 123 Intercollegiate Debate
- 125 Forensics
- 210 Business Communications
- 211 Introduction to the Cinema
- 213 Journalism Projects
- 294 Public Relations
- 341 Radio Management
- 343 Television Management
- 348 International Cinema: Western Culture
- 349 International Cinema: Asian Culture
- 394 Marketing
- 399 Screenwriting
- 421 Journalism Management
- 438 Teaching and Directing Forensics, Debate, and Theatre in the Secondary School

In English:

- 420 Business and Administrative Communication

In History:

- 330 America to 1800
- 331 19th Century U.S.

In Integrative Studies:

- 234 Psychology and Art
- 235 Language
- 240 Truth and Beauty: Chaos and Fractals
- 242 Mathematics and Art
- 257 Sights and Sounds: Sense and Sensibility

In Psychology:

- 219 Social Psychology
- 328 Organizational Behavior

In Theatre:

- 234 Oral Interpretation of Literature

Students majoring in Communication may not take these minors. Students majoring in Computer Science with an emphasis in Digital Arts may not minor in New Media.

Minor in Broadcasting

Requirements:

In Communication:

- 101 Survey of Mass Communications
- 110 Media Writing 1
- 111 Radio Production
- 112 Video Production
- 212 Digital Video and Motion Graphics

Plus two courses selected from the following:

In Communication:

- 102 Elements of Oral Communication
- 201 Media Writing 2
- 246 History of Television
- 312 Visual Storytelling

Minor in Communication Studies

Requirements:

In Communication:

- 102 Elements of Oral Communication
- 315 Persuasion
- 410 Theories of Human Communication

Plus 12 additional hours with approval of division advisor.

Minor in Film and Television Theory and Criticism

Requirements:

In Communication:

- 101 Survey of Mass Communications
- 110 Media Writing 1

- 211 Introduction to the Cinema
- 246 History of Television
- 248 History of the Cinema

Plus two courses selected from the following:

In Communication:

- 348 International Cinema: Western Culture
- 349 International Cinema: Asian Culture
- 399 Screenwriting

In English:

- 260 Advanced Composition

Minor in Journalism

Requirements:

In Communication:

- 101 Survey of Mass Communications
- 110 Media Writing 1
- 221 Newspaper Experience (3 semesters) or
- 221 Newspaper Experience (2 semesters) and
- 223 Yearbook Experience (1 semester)

Plus 12 additional hours selected from the following:

In Communication:

- 111 Radio Production
- 112 Video Production
- 201 Media Writing 2
- 205 Traditional Photography
- 206 Digital Photography
- 212 Digital Video and Motion Graphics
- 312 Visual Storytelling
- 345 Desktop Publishing

Minor in New Media

Requirements:

In Communication

- 101 Survey of Mass Communications
- 103 Graphic Design
- 234 Digital Media Experience (3 semesters)

Plus 12 additional hours selected from the following:

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- 206 Digital Photography
- 212 Digital Video and Motion Graphics
- 216 Composing with Paint Programs
- 217 Composing with Draw Programs
- 320 Advanced Web site Design: Graphics or CPTR 321
Advanced Web site Design: Dynamic Sites
- 345 Desktop Publishing
- 346 Multimedia Authoring for CD-ROM and the Web

In Computer Science

- 211 Basic Information and Web site Design

A one-course substitution for one of the elected courses above may be made with approval of division advisor.

Communication Courses

Department Code: COMM

101 Survey of Mass Communications.

A course designed to develop the student's ability to appreciate and evaluate the aesthetic, societal, and cultural functions of newspapers, magazines, advertising, film, radio and television. It will examine the nature, development, contemporary structure and influence of the mass media. Credit 3 hours.

102 Elements of Oral Communication.

This course offers students an introduction to the study and application of basic oral communication principles and purposes. Students will study the practice and process of rhetorical principles as they relate human communication in the development and maintenance of identities, relationships, organizations (public and private), societies and cultures. Credit 3 hours.

103 Graphic Design. The course will cover the basic design principles of layout, color, and typography. Class time will be spent on discussions, lectures, critiques, individual meetings, and work

sessions. Cross-listed with Art. Credit 3 hours.

104 Software Lab. Hands-on learning experience with graphic, communication and code-writing software. Students are expected to be familiar and adept at all software used in the various courses they intend to take before enrolling in those courses. The software lab is a collegial learning opportunity in which to accomplish this. Cross-listed with Computer. Credit 1 hour. May be repeated up to 4 credits.

110 Media Writing 1. The study of basic news gathering techniques and principles of news writing. Students will learn to write for a variety of media, purposes, and audiences. Emphasis will be on style, ethics, and accuracy. Credit 3 hours.

111 Radio Production. Academic base for students interested in broadcasting. Study of principles of production, mass media theory, FCC regulations, and the equipment at station KSWC with required participation in station programs. Credit 3 hours.

112 Video Production. Academic base for students interested in television production. Aimed for the communication major, the course studies the principles of video production with practical emphasis on preparation of cable television shows. Credit 3 hours.

123 Intercollegiate Debate. Participation on the institution's intercollegiate debate squad. This experience is an extension of the communication classroom, and allows students to acquire research, organization, and presentation skills through preparation and performance in tournament and public debates. Prerequisite: consent of instructor. Credit 1 hour. May be repeated for credit.

125 Forensics. Students who are enrolled in this course will participate on the SC intercollegiate forensics squad. This experience is an extension of the communication classroom to develop public speaking and performance skills through

- competitive and public performances. Prerequisite: consent of instructor. Course graded S/U. Credit 1 hour. May be repeated for credit.
- 201 Media Writing 2.** Advanced approach to news gathering, reporting, and writing techniques, including feature, editorial/op-ed, reviews, and investigative writing. Course will also examine legal issues affecting news reporters as well as situations requiring ethical decisions leading students to the development of a Professional Code of Standards and Ethics. Prerequisite: 110 or consent of instructor. Credit 3 hours.
- 203 Interpersonal Communication.** Introductory study of communication between people and in relationships. Stresses awareness of how one's communication behavior influences and is influenced by others and provides methods of improving interpersonal interactions. Credit 3 hours.
- 205 Traditional Photography.** A study of camera, film, composition, light and lighting, flash and the principles of photojournalism as it relates to storytelling. Building a portfolio is included. Cross-listed with Art. Course graded S/U. Credit 2 hours.
- 206 Digital Photography.** An overview of digital photography and how it works. Among the topics covered will be features of digital cameras, managing and editing digital images and making the transition from analog to digital. Credit 3 hours.
- 208 Critical Thinking and Argumentation.** Students enrolled in this course will learn the theoretical principles of critical thinking and argument as they apply to interpersonal, organizational, public, and political contexts. Students will be guided in subject analysis, data gathering, evidence building and evaluation, and audience analysis. The course will focus on how to use theoretical principles in presentations and interpersonal situations. Credit 3 hours.
- 210 Business Communications.** Course focuses on audience-oriented communication in the corporate culture. Oral and written communication forms, created with a corporate audience in mind, will be practiced using PowerPoint and other visual aids. Emphasis will be on developing and demonstrating communication skills, both singularly and in groups. Course procedures include oral and written communications, group interaction in class, and group project. Cross-listed with Business and English. Credit 3 hours.
- 211 Introduction to the Cinema.** A study of the five technical elements that are involved in film: cinematography and visual editing, sound acquisition and music insertion, scriptwriting, performance, and the role of the director in pulling all this together. The course examines motion picture themes as a rhetorical communication medium, artistic expression, as well as a reflection of social and cultural thought. Credit 3 hours.
- 212 Digital Video and Motion Graphics.** This course continues and builds upon the field production principles learned in 112 Video Production. Specific topics include lighting, framing, shot selection and non-linear editing decisions. The course also features graphic effects available in Adobe Premier, Adobe After Effects and other software. Two dimensional animation is a learning option. Prerequisite: 112 or consent or instructor. Credit 3 hours.
- 213 Journalism Projects.** Participation in production of newspaper or yearbook. The student will become proficient in a particular aspect of print publication such as layout, feature writing, or photography. Prerequisite: consent of instructor. Credit 2 hours. May be repeated for credit.
- 215 Intercultural Communication.** An investigation of the similarities and differences of communication patterns of various cultures. Examination of the

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values and cultural norms that inform and influence a culture's communication. Credit 3 hours.

216 Composing With Paint Programs.

The application of art, illustration and graphic design principles through paint programs such as Adobe Photoshop. Focus on art work for screen-based media, with other new media applications included. Cross-listed with Art. Credit 3 hours.

217 Composing With Draw Programs.

The application of art, illustration and graphic design principles through drawing programs such as Adobe Illustrator. Focus on artwork for print based media, with other new media applications included. Cross-listed with Art. Credit 3 hours.

221 Newspaper Experience.

Practical experience in working on staff of campus newspaper. Prerequisite: 2.0 GPA. Course graded S/U. Credit 1 hour. May be repeated for credit.

223 Yearbook Experience.

Practical experience in working on staff of campus yearbook. Prerequisite: 2.0 GPA. Course graded S/U. Credit 1 hour. May be repeated for credit.

230 Voice and Diction.

Techniques for improvement of the normal voice in tonal quality, intelligibility, and projection; emphasis on the interrelatedness of relaxation, breathing, concentration, and vocal expressiveness. Credit 3 hours.

231 Radio Experience.

Practical experience on air at KSWC-FM. Enrollment contingent on shift availability. Prerequisite: 2.0 GPA and consent of instructor. Course graded S/U. Credit 1 hour. May be repeated for credit.

233 Television Experience.

Practical emphasis for communication majors in television production with experience in preparing videotaped shows and features. Prerequisite: 2.0 GPA and consent of instructor. Course graded S/U. Credit 1 hour. May be repeated for credit.

234 Digital Media Experience. Practical application of New Media/Digital Arts knowledge and skills. Projects include but are not limited to video features, Web sites, CD-ROMS, computer games. Cross-listed with Computer Science and Digital Arts. Prerequisite: 2.0 GPA and consent of instructor. Course graded S/U. Credit 1 hour. May be repeated for credit.

238 Group Communication. Introduction to theory as it relates to communication in a small group setting. Study will center on small group formation and development, leadership, roles, norms, and conflict. Credit 3 hours.

246 History of Television. An examination of social issues as explored through various television genres. Course may also explore news coverage of events and contemporary problems with television programming. Intended for non-majors as well as Communication majors. Credit 3 hours.

248 History of the Cinema. The history of visual storytelling. The course examines the development of cinematography technology (camera, film, lighting, editing, sound) with an emphasis on techniques of video-only storytelling by such masters as the Lumiere Brothers (cinematography), Georges Melies (special effects), Sergei Eisenstein (montage), D.W. Griffith, Charles Chaplin, and Buster Keaton. The course also examines early attempts at sound acquisition and editing. It will culminate in a comprehensive analysis of what is critically considered to be the greatest American film: Citizen Kane. Credit 3 hours.

294 Public Relations. Students will explore the major concepts and strategies of public relations for business and other organizations. Credit 3 hours.

312 Visual Storytelling. Photojournalism/Video Essay. This course focuses on visual storytelling with strong production values using state-of-the-art shooting and editing stations. Students will

- study the art of visual storytelling for essay or journalistic venues and create their own productions with a view toward entry in regional or national competitions. Prerequisite: 212 or consent of instructor. Credit 3 hours.
- 315 Persuasion.** A study of persuasive communication and the techniques that motivate persons to act or believe in a particular way. A variety of persuasive rhetorical theories will be discussed as tools for persuasion. Credit 3 hours.
- 320 Advanced Web Site Design: Graphic Techniques.** The course builds upon the planning and design principles in 211, extending site effectiveness through the use of advanced graphic techniques. Prerequisite: CPTR 211. Credit 3 hours.
- 328 American Public Address.** This course offers students a historical perspective on how public discourse has shaped and changed our social constructs and consciousness. Students discuss the theoretical principles and persuasive techniques of effective speakers. The course will focus on students employing the techniques in their own persuasive presentations. Prerequisite: 102. Credit 3 hours.
- 341 Radio Management.** Learning and practical application of management and supervisory skills for KSWC. Available only to radio management staff. Consent of instructor required. Graded S/U. Credit 2 hours. May be repeated for credit.
- 343 Television Management.** Learning and practical application of management and supervisory skills for television production. Available only to television management staff. Consent of instructor required. Course graded S/U. Credit 2 hours. May be repeated for credit.
- 345 Desktop Publishing.** A course in the creation of print media communication products using industry-standard software such as Quark Express. Focus will be on professional standards, consistency of design with theme/objective, and creativity in communication. Students will create flyers, brochures, newsletters, advertising layouts, and other printed products. Cross-listed with Computer Science and Digital Arts. Credit 3 hours.
- 346 Multimedia Authoring for CD-ROM and the Web.** A course in the creation of interactive productions for CD-ROM using Macromedia Director. Students learn to create gaming, informational, and presentational interactivity without the bandwidth restrictions imposed by the internet. Certain of these same productions are then revised for use on the internet through Director's Shockwave software. Cross-listed with Computer Science and Digital Arts. Credit 3 hours.
- 348 International Cinema: Western Culture.** An examination of the foreign film from traditional western cultures to include, among others, France, Spain, Mexico, Scandinavia, Italy, Greece, Germany, Russia, Australia, and New Zealand. Students will study the major trends and styles of cinema and how national identity and customs are reflected in those films. Course is designed to give global perspective to non-majors as well as majors. Credit 3 hours.
- 349 International Cinema: Asian Culture.** An examination of the foreign film from traditional eastern cultures to include, among others, Japan, China, Hong Kong, India, Korea, Vietnam, and Taiwan. Students will study the major trends and styles of cinema and how national identity and customs are reflected in those films. Course is designed to give global perspective to non-majors as well as majors. Credit 3 hours.
- 362 Experience in Public Relations.** A practical, hands-on experience with the Southwestern College Communications Office, under the supervision of the office staff. Consent of instructor required. Credit 3 hours.

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- 394 Marketing.** Product concepts, from idea to delivery to the ultimate consumer, will be examined. Also included will be pricing, promotion, distribution, and planning for the marketing effort. Emphasis on being an informed consumer included. Course procedures include oral and written communications, group interaction in class, and group project. Cross-listed with Business. Credit 3 hours.
- 399 Screenwriting.** A study of the principles and practices in writing an original script for film and television. Prerequisite: consent of instructor. Credit 3 hours.
- 410 Theories of Human Communication.** The focus of this course includes an overview of current and historical theories and research in the major sub-fields of human communication. Credit 3 hours.
- 417 Organizational Communication.** Comprehensive study of communication processes in situations commonly encountered in organizational settings. Intensive analysis of simulated and real life situations will aid the student in understanding the communication dynamics of organizations. Credit 3 hours.
- 421-422 Journalism Management.** Available only to chief editors of The Collegian and The Moundbuilder. Course graded S/U. Credit 2 hours. May be repeated for credit.
- 438 Teaching and Directing Forensics, Debate, and Theatre in the Secondary School.** A study of the problems and methodologies of teaching and directing forensics, debate, and theatre activities in the secondary schools. Includes observation and participation in drama, debate, and forensic activity designed for the public school programs. Satisfies teacher certification requirements for Education 438. Prerequisites: Theatre Participation practical experience check sheet. Participation in Debate and Forensic activity courses. Cross-listed with Theatre. Credit 3 hours.

Computer Science and Digital Arts

The computer science/digital arts major includes coursework in computer science and the digital arts. It is also closely allied with elements in the communication major such as traditional media, journalism, new media, speech, and communication arts. As a point of distinction, both majors include the study of content and communication principles now demanded by the field, plus a strong hands-on component. As a second point of distinction, each of these majors goes beyond simply listing coursework required for entry and success in the field. The curriculum at Southwestern also takes into consideration the native abilities/skills each student brings to the program, and offers coursework avenues uniquely suited to students with those varying skills. These avenues are referred to as emphasis areas. Between computer science/digital arts and communication, there are seven from which to choose.

No one with genuine interest need be left out of this multifaceted field. With a strong focus on goals and the guidance of our faculty, students can find and succeed in the computer science/digital arts or communication/new media career path most suited to them.

B.S., Major in Computer Science and Digital Arts

Major requirements:

In Computer Science and Digital Arts:

210 Introduction to Computer Systems

323 Communication Technologies

In Communication:

410 Theories of Human Communications

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In English:

210 Business Communications, or

420 Business and Administrative
Communication

All requirements of one emphasis area below

Emphasis in Computer Science

212 Programming 1

320 Database Management

322 Programming 2

324 Network and Operating
Systems Management

440 Decision Support Systems

454 Senior Project

461 Seminar

In Mathematics:

110 College Algebra

Plus 15 credit hours selected interest courses below:

Web interest:

In Communication:

103 Graphic Design

In Computer Science and Digital Arts:

211 Basic Information and Web Site
Design

321 Advanced Web Site Design:
Dynamic Sites; Interactivity

In Computer Programming Technology (see
Professional Studies):

422 Hyper Text Markup Language
Programming Techniques

444 XML (Extensible Markup
Language)

Network interest:

In Computer Science and Digital Arts:

415 Systems Architecture

In Computer Programming Technology (see
Professional Studies):

322 SQL (Structured Query
Language) Fundamentals

327 E-Commerce

441 Active Server Pages Program-
ming

In Computer Operations Technology (see
Professional Studies):

410 Local Networking (LAN)

Fundamentals

411 Web Site Management

Programming interest:

In Computer Science and Digital Arts:

216 Visual Basic Programming

316 Advanced Visual Basic for Data
Base

In Computer Programming Technology (see
Professional Studies):

321 Advanced Visual Basic Program-
ming

421 Java Programming 1

423 Project: Designing and Program-
ming an Application

433 Visual Basic.Net Programming
Essentials II

Additional courses:

In Computer Science and Digital Arts:

445 Artificial Intelligence and
Robotics

In Computer Programming Technology (see
Professional Studies):

323 VBA, The Internet and Microsoft
Office Applications

In Computer Operations Technology (see
Professional Studies):

415 Computer Systems Integration

Emphasis in Digital Arts

In Art:

103 Graphic Design

123 Basic Drawing

215 Painting Studio 1

216 Composing With Paint
Programs

217 Composing With Draw
Programs

In Computer Science and Digital Arts:

211 Basic Information and Web Site
Design

345 Desktop Publishing

In Communication:

111 Radio Production

112 Video Production

206 Digital Photography

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212 Digital Video and Motion Graphics

346 Multimedia Authoring for CD ROM and the Web

Choose one of the following:

In Communication:

320 Advanced Web Site Design: Graphic Techniques

In Computer Science and Digital Arts:

321 Advanced Web Site Design: Dynamic Sites; Interactivity

Minor in Computer Science Requirements:

In Computer Science and Digital Arts:

107 Personal Computers

216 Visual Basic Programming

323 Communication Technologies

324 Network and Operating Systems Management

One additional 3-credit PC language course

One additional 3-credit computer course

Computer Science and Digital Art Courses

Department Code: CPTR

104 Software Lab. Hands-on learning experience with graphic, communication and code-writing software. Students are expected to be familiar and adept at all software used in the various courses they intend to take before enrolling in those courses. The software lab is a collegial learning opportunity in which to accomplish this. Cross-listed with Communication. Credit 1 hour. May be repeated up to 4 credits.

107 Personal Computers. An introduction to personal computers and the packaged software available for them. Designed for the liberal arts major with no prior experience in computing. Course procedures include quantitative methods, oral and written communications, and group interaction in class. Credit 3 hours.

210 Introduction to Computer Systems. An introduction to the core functions of computer systems in organiza-

tions in a societal context, including career and graduate study trends, and a study of the techniques used to manage information systems. The fundamentals of computer organization, architecture and operating systems and their role in systems will be central. Systems concepts include the traditional system development life cycle, project management, disaster recovery, financial control, strategic planning, systems thinking and modeling. The emphasis is on knowledge management in the virtual networked organization. Credit 3 hours.

211 Basic Information and Web Site Design. An introduction to Web Site creation. Students will learn the planning process, to include information design, and the creation of sites using WYSIWYG editors such as Dreamweaver, and HTML. Prerequisite: COMM or ART 103 or consent. Credit 3 hours.

212 Programming 1. Fundamental states of software design and development, problem specifications, algorithm theory, program design standards, implementation techniques, and documentation forms are demonstrated and practiced. The actual programming language may vary with the environmental expectations. Credit 3 hours.

216 Visual Basic Programming. An introduction to interactive computing and the high-level language capability of the personal computer. Development of the user interface, OOP and event driven programming techniques, and program design. Credit 3 hours.

234 Digital Media Experience. Practical application of New Media/Digital Arts knowledge and skills. Projects include but are not limited to video features, Web sites, CD-ROMS, computer games. Cross-listed with Communication. Prerequisite: 2.0 GPA and consent of instructor. Course is graded S/U. Credit 1 hour. May be repeated for credit.

- 316 Advanced Visual Basic for Database.** An extension of the skills and techniques learned in 216. Programming beyond macros in Microsoft Office applications, designing programs using data objects, crossing from one or more Office applications, and general program design for business. Prerequisite: 216. Credit 3 hours.
- 320 Database Management.** A study of PC-oriented database management systems and their importance to organizations and society. Emphasis will be on data structures, database management activities, design considerations, normalization, data dictionaries, and complex query and report capabilities. Credit 3 hours.
- 321 Advanced Web Site Design: Dynamic Sites; Interactivity.** This course builds upon the planning and design principles in 211, extending site effectiveness through the use of databases and other methods of interactivity. Prerequisite: 211. Credit 3 hours.
- 322 Programming 2.** Introduction to advanced software design by means of object oriented programming (OOP) using algorithms and data structures useful for problem solving. Emphasis is on simplicity, modularity, unit testing, and the synergy offered by OOP software. The specific programming language may vary with trends in the field. Prerequisite: 212 or consent of instructor. Credit 3 hours.
- 323 Communication Technologies.** A study of the convergence of voice, data and entertainment technologies and their impact on human society. Included technical, commercial and social phenomena, along with insights into the new problems and opportunities that are available to both organizations and individuals. Credit 3 hours.
- 324 Network and Operating Systems Management.** Designed to introduce networking concepts and designs in the context of the fundamentals of operating systems. Study will focus on what constitutes networking, the selection and principles of current operating systems, topologies/transmission media and available technology that can be used to design, connect and implement computer networks. The objective is to de-mystify the concepts underlying network operating systems. Credit 3 hours.
- 345 Desktop Publishing.** A course designed to acquaint the student with the hardware and software used in producing high quality newsletters, advertising layout copy, and other graphic arts products. Course procedures include oral and written communications, group interaction in class, group project, and major presentation. Cross-listed with Communication. Credit 3 hours.
- 346 Multimedia Authoring for CD ROM and the Web.** A course in the creation of interactive productions for CD-ROM using Macromedia Director. Students learn to create gaming, informational, and presentational interactivity without the bandwidth restrictions imposed by the internet. Certain of these same productions are then revised for use on the internet through Director's Shockwave software. Cross-listed with Communication. Credit 3 hours.
- 415 Systems Architecture.** Covers concepts involved in computer hardware and software design including data representation, processor technology, data storage technology, system performance, operating systems, file management systems and system administration. Prerequisite: 210. Credit 3 hours.
- 440 Decision Support Systems.** A study of how systems can be used to support executive, non-structured, non-repetitive decisions. The emphasis will be to provide the right data, in the correct form, with executive execution potential. This course extends databases into data warehousing, suitable for mining by nontechnical personnel. The study

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will be supported by a broad-based study of decision-making methods and its importance in both organizations and society. Credit 3 hours.

445 Artificial Intelligence and Robotics. Hardware and software design and development of autonomous mobile robots, with particular emphasis on the educational uses of robots. Includes computational, sensor, and locomotion systems. Interfacing and programming of several micro-controllers will be studied. Previous learning about the fundamentals of computer architecture and organization will be reinforced with hands-on, laboratory-type experiences. The course will involve field experience in a nearby educational robotics factory. Credit 3 hours.

454 Senior Project. Working with a professional mentor, the student will design, execute and manage a project involving computer technology. This project may include hardware, software and assessing the impact upon people and systems. Students will keep a journal that will detail the processes and reflect upon the technical and social implications of the project. The type of advanced study of items that could be included in the seminar and senior project would include but are not limited to E-commerce, the Intranet, ISO9000, computer security, universal databases, generalized application software, and cognition and presentation techniques. Credit 3 hours.

459 Practicum. An intensive applied learning experience that involves the analyzing and solving of a significant practical problem, and providing appropriate documentation of the work done. Credit 1 to 5 hours.

461 Seminar. Working professionals in the student's area of interest will conduct sessions and programs leading to an in-depth understanding of that specific body of knowledge and career path opportunities. This course may be the framework for extensive independent

projects beyond the traditional classroom walls. Technical discussions will be grounded in a full-fledged discussion of the impact of technology on human society. Credit 3 hours.

Education

The Southwestern College Center for Teaching Excellence is a student-centered learning community dedicated to optimal intellectual growth, preparation for leadership in the field of education, personal development, ethical values, and lifelong service in a world beyond cultural boundaries. The goals of teacher education program are in the Conceptual Framework. This states that the professional educator will:

- possess wisdom of practice
- have the ability to facilitate student learning
- have the ability to interact effectively
- have the ability to reflect

The Center for Teaching Excellence has an undergraduate curriculum with the following components: the elementary education major, the early childhood major, professional course sequence for both elementary and secondary education majors, and the clinical field experience sequence for early childhood, elementary, and secondary education majors.

Admission to the Teacher Education Program

Students seeking admission to the teacher education program must first demonstrate their readiness by completing the following requirements:

1. PSYC 112 General Psychology with grade of C or better.

2. EDUC 218 Developmental Psychology with grade of C or better.
3. Sophomore standing with a GPA of at least 2.5.
4. Demonstration of communication skills by completion of LAS 110 Writing Across the Disciplines, LAS 120 Research Across the Disciplines, and COMM 102 Elements of Oral Communication with at least a 2.5 cumulative GPA in the three courses.
5. Successful completion of Pre-Professional Skills Test (PPST) with scores that meet or exceed program requirements in the Reading (173), MATH (172), and Writing (172) sections.
6. EDUC 150 Introduction to Education with grade of C or better.
7. EDUC 215 Foundations of Education with grade of C or better.
8. Submission of formal application to Education Committee.
9. Submission and approval of a writing sample.
10. Submission and approval of a video presentation.

Admission for Transfer Students

1. Transfer credit that meets the requirements and standards above, including GPA requirements. All transfer credits must be a “C” or better.
2. Successful completion of Pre-Professional Skills Tests (PPST) with scores that meet or exceed program requirements in the Reading (173), MATH (172), and Writing (172) sections.
3. Articulation of additional pre-professional credit as determined by the director of teacher education and the registrar.
4. Submission of formal application to Education Committee.

5. Submission and approval of a writing sample.
6. Submission and approval of a video presentation.

General Requirements For Certification

The college requires 50 semester hours of general education courses and liberal arts courses for teacher certification. These courses will include the Integrative Studies requirement and additional hours to reflect the following:

Twelve hours chosen from oral and written communication, literature, and foreign languages

Twelve hours chosen from the natural sciences and mathematics, with a minimum of six hours in mathematics

Twelve hours chosen from history, social and behavioral sciences

The remaining 14 hours may be chosen from the above areas or from religion and philosophy courses, and art or music courses pertaining to history, literature, or appreciation.

Professional Requirements For Certification

The professional course sequence is designed developmentally and each course has at minimum a 20-hour clinical experience component. Students should plan accordingly when designing their program.

With the exception of 150, 215, 216, and 416, these courses are open only to students who have been admitted to the teacher education program.

Required of all students:

In Education:

- 150 Introduction to Education
- 215 Foundations of Education
- 216 Foundations of Education Laboratory

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- 322 Educational Psychology
- 323 Introduction to Exceptionalities
- 440 Professional Problems and Relations of Teachers (PPRT)

Required of elementary majors:

In Education:

- 416 Introduction to the Reading Process
- 437 Elementary School Methods and Management
- 447 Observation and Supervised Teaching in the Elementary School

Required of early childhood majors:

In Education:

- 416 Introduction to the Reading Process
- 437 Elementary School Methods and Management
- 446 Observation and Supervised Teaching in Early Childhood Programs

Required if seeking secondary certification:

In Education:

- 348 Reading for Secondary Teachers
- 438 Teaching (subject) in the Secondary School
- 439 Secondary School Methods and Management
- 449 Observation and Supervised Teaching in the Secondary School

B.A., Major in Elementary Education

General requirements:

50 hours of liberal arts courses as specified in General Requirements section above.

Professional requirements:

Eight professional courses as specified in Professional Requirements section above.

Major requirements (these courses are open to students who have not yet applied for admission to the teacher education program):

In Education:

- 328 Instructional Strategies in Physical Education for Elementary Classroom Teacher

- 329 Children's and Adolescent's Literature

- 337 Science in the Elementary School

- 338 Mathematics in the Elementary School

- 342 Language Arts in the Elementary School

- 345 Social Science in the Elementary School

- 346 Elementary Reading Methods

In Art:

- 223 Art in the Elementary School

In Music:

- 223 Music in the Elementary School

In Mathematics:

- 103 Foundations of Basic Mathematics
- 105 Intermediate Algebra
- 110 College Algebra

B.A. Major in Early Childhood Education

The early childhood education program prepares students to teach children from birth to age 8 (third grade).

This innovative program provides two semesters of field-based experiences where students work together in a cohort group with professionals in the field gaining practical experiences with young children.

General requirements:

50 hours of liberal arts courses as specified in General Requirements section above.

Professional requirements:

Seven professional courses as specified in Professional Requirements section above.

Major requirements:

In Education:

- 311 Introduction to Early Childhood Education
- 333 Teaching Young Children with Disabilities
- 346 Elementary Reading Methods
- 425 Administration, Guidance, and Behavior

- 429 Assessment in Early Childhood Intervention
 - 432 Technology in Special Education
 - 435 Science and Math
- In Mathematics:
- 103 Foundations of Basic Mathematics
 - 105 Intermediate Algebra
 - 110 College Algebra

All of the following curriculum blocks (these may be taken in any order; courses within each block must be taken concurrently):

Curriculum Block 1:

- 339 Assessment Strategies in Early Childhood

- 343 Home, School, and Community

Curriculum Block 2:

- 325 Motor Development, Expressive Arts, Social Studies

- 335 Infant Development

Curriculum Block 3:

- 420 Oral Language Development

Minor in Early Childhood Education

Requirements:

In Education:

- 311 Introduction to Early Childhood Education

Twelve hours (2 blocks) to be selected from the following:

Curriculum Block 1:

- 339 Assessment Strategies in Early Childhood

- 343 Home, School, and Community

Curriculum Block 2:

- 325 Motor Development, Expressive Arts, Social Studies

- 335 Infant Development

Curriculum Block 3:

- 420 Oral Language Development

Secondary Education Certification

Kansas teacher certification at the secondary level is available in the following subject areas:

- American History, World History, and Political Science (see requirements under History)
- Biology (see requirements under Biology)
- Business (see requirements under Business)
- Chemistry (see requirements under Chemistry)
- Communication (see requirements under Theatre Arts)
- Drama (see requirements under Theatre Arts)
- English (see requirements under English)
- Mathematics (secondary, middle level; see requirements under Mathematics)
- Music (K-12; see requirements under Music)
- Physical Education (K-12; see requirements under Physical Education and Sport Studies)
- Physics (see requirements under Physics)

General requirements:

50 hours of liberal arts courses as specified in General Requirements section above.

In Mathematics:

- 103 Foundations of Basic Mathematics

All Secondary Education students must demonstrate proficiency in Foundations of Basic Mathematics by successfully completing the course or testing out of it (contact Department of Mathematics).

Professional requirements:

Nine professional courses as specified in Professional Requirements section above.

Subject area requirements:

Requirements of each subject area are listed in that subject's section of the catalog.

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Teacher Education Handbook

For additional information concerning the Southwestern College teacher education program, students should refer to the Teacher Education Handbook, available in the education department.

Kansas Teacher Competency Test

The Kansas Legislature has mandated that all teacher certification candidates demonstrate competency prior to Kansas Teacher Certification. Students must pass the Principles of Learning and Teaching test (PLT). This test is given periodically at various Kansas testing centers. Students are responsible for arranging to be tested before applying for state certification.

Effective July 1, 2003, all teacher candidates are also required to take a nationally-normed content test in the area they will teach.

Education Courses

Department Code: EDUC

150 Introduction to Education. An introductory and exploratory course for those considering education as a career. The course is designed to assist each prospective teacher in gaining a valid and comprehensive knowledge of what is involved in a teaching career. Emphasis is placed upon inquiry and personal involvement in planning an effective and successful career in education. Opportunities for school visits will be provided, and all students will participate in the mentoring programs in area schools. Credit 2 hours.

215 Foundations of Education. The course explores the theories and applications of educational philosophies for students' use in both the classroom and their personal and professional lives. Additionally, educational institutions will be examined from historical, eco-

nomie, sociological, and political perspectives. Prerequisites: Successful completion (minimum grade of C) of PSYC 112, successful completion or concurrent enrollment in 218. Credit 3 hours.

216 Foundations of Education Laboratory. This course provides an opportunity for prospective teachers to observe, tutor, or mentor students in a school where there is a diverse population. Students must complete at least 20 hours of work in a school with a diverse population. Prerequisite: 215. Must be completed prior to enrollment in 440, 447, 448, or 449. Credit 1 hour.

218 Developmental Psychology. The development of behavior from infancy through adulthood. Emphasis is placed on learning and environmental factors in the socialization of children and adolescents. Prerequisite: PSYC 112. Cross-listed with Psychology. Credit 3 hours.

311 Introduction to Early Childhood Education. An introductory course for those preparing for certification to teach in the early childhood area. This course is designed to assist each prospective teacher in gaining a valid and comprehensive knowledge of what is involved in early childhood education. Emphasis is placed upon reflection, inquiry and personal involvement in planning an effective and successful career in early childhood, and developing an understanding of how children develop and learn successfully. Current trends, issues, developmental theories, and research findings related to the education of young children will be explored. Prerequisite: Satisfactory completion of PSYC 112, EDUC 150, and at least sophomore standing. Credit 3 hours.

322 Educational Psychology. A course designed specifically to study the behavior of individuals and groups in educational settings. Emphases are placed upon development, motivation, assessment, individual differences, teaching

modalities and learning preferences. Attention is also given to character education and attitudes. Directed observation/participation in the public schools provide practical application of course theory. Twenty hours of observation/participation in a public school classroom required. Prerequisite: Admission to Teacher Education. Cross-listed with Psychology. Credit 3 hours.

323 Introduction to Exceptionalities.

A course designed to prepare prospective elementary and secondary teachers in the understanding and appreciation of students with exceptionalities. Emphases are placed upon characteristics and categories of exceptionality, processes of referral, assessment, and placement of exceptional students. Effective teaching practices and observation in the public schools provide practical application of course theory. Twenty hours of observation/participation in a public school classroom required. Prerequisite: Admission to Teacher Education. Credit 3 hours.

325 Motor Development, Expressive Arts, Social Studies.

This course will examine the curricula, instructional strategies, and classroom organization for motor development, expressive arts, and social studies relevant to children aged birth through 5. Emphasis will be placed on the interrelatedness of different content areas and their successful implementation in the classroom environment. Prerequisite: 311. Concurrent with 335. Credit 3 hours.

328 Instructional Strategies in Physical Education for the Elementary Classroom Teacher.

Designed for K-5 classroom teacher, this course addresses the major concepts of health education, human movement, and physical activity as essential elements which foster a healthy lifestyle. Content includes health, nutrition, safety, impact of movement on brain development and learning, and integrates movement learning theories and prac-

tice across all curricular areas and instruction. Credit 2 hours.

329 Children's and Adolescents' Literature.

Survey of literature K-12. Exploration of literature and relevant contemporary issues regarding literary works and pedagogy pre-K through 12th grade. Cross-listed with English. Credit 3 hours.

333 Teaching Young Children with Disabilities.

This course is designed to prepare prospective early childhood teachers in the understanding and appreciation of young children with exceptionalities. It will provide an overview of early childhood special education including service delivery models, atypical infant/toddler development, the effects of early intervention, and characteristics and etiologies of disabilities in young children. Appropriate delivery systems, assessment, curriculum, and intervention strategies will be considered. Credit 4 hours.

335 Infant Development.

The purpose of this course is to introduce students to growth and development issues related to infants and toddlers and to provide experiences with the organization and management of high quality environments for infants. Appropriate play activities will be introduced. Prerequisite: 311. Concurrent with 325. Credit 3 hours.

337 Science in the Elementary School.

A course that focuses on methods of science instruction, organizing and presenting science materials for instruction, observation of classroom science presentation, familiarization with current trends in science education, and the development of a background in the content areas of science. Credit 3 hours.

338 Math in the Elementary School.

A course focusing on principles and methods of mathematics instruction at the elementary level organized around the 13 math standards of the Kansas State Board of Education (adapted from NCTM guidelines). Development and

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presentation of math materials and units of instruction, familiarization with current trends in math curriculum and instructional methodology, and attention to evaluating and adapting instructional materials and delivery methods to the needs and learning styles of students are components of this course. Credit 3 hours.

339 Assessment Strategies in Early Childhood.

This course is designed to prepare teachers to conduct reliable and valid assessments of children's growth and development in the early childhood arena. Students are introduced to and have an opportunity to practice developing formal and informal assessment devices. Practice in developing and evaluating both open and closed assessment format is also provided. Special attention is given to performance based assessments, particularly in the context of instruction that is developmentally appropriate. Prerequisite: 311. Concurrent with 343. Credit 3 hours.

341 Reading in the Elementary School.

A course that emphasizes the various methods of teaching and assessing reading, diagnosing reading problems, and developing programs to strengthen comprehension and vocabulary. Students also practice adapting teaching strategies and content for special needs or learning styles. In conjunction with regular course work, students gain experience through practical application with a required 20-hour practicum in the public schools. Prerequisites: Successful completion of 322 and 323 and admission to Teacher Education. Credit 5 hours.

342 Language Arts in the Elementary School.

A study of developing language skills in children, with an emphasis on oral language, viewing, listening, writing, and spelling. Content includes cooperative learning strategies, effective group strategies, and a survey of current trends in language arts instruction, as well as the development of

a whole language curriculum, multicultural language arts units, and interdisciplinary units. Credit 3 hours.

343 Home, School, and Community.

The purpose of this class is to promote the understanding that quality services for young children and their families are best ensured by establishing collaborative relationships between the home, school, program, and community. A portion of the course focuses on techniques for establishing collaborative relationships with parents and involving family members in the growth and development of the young child. Health, nutrition, and safety issues also will be explored. Prerequisite: 311. Concurrent with 339. Credit 3 hours.

345 Social Science in the Elementary School.

A course that emphasizes the relationship of the various social science areas and the elementary school curriculum. Content includes unit and instructional material development and presentation, familiarization with current trends in social studies instruction. Emphases include multicultural instruction, interdisciplinary unit development, and the methodology of content delivery. Credit 3 hours.

346 Elementary Reading Methods.

Emphasizes the various methods of teaching and assessing reading in the elementary. It will prepare prospective teachers to develop programs to strengthen vocabulary and comprehension skills, assess growth in reading skills, diagnose reading problems, and adapt instructional materials and delivery methods to meet the special needs and learning styles of students. In conjunction with regular course work, the prospective teacher will gain experience through practical application with a required 20 hour practicum in the public schools. Prerequisite: Admission to Teacher Education. Credit 3 hours.

348 Reading for Secondary Teachers.

This course helps prospective secondary teachers design and develop meth-

ods and materials to foster successful reading skills in all content areas. Students also practice adapting teaching strategies and content for special needs or learning styles. In conjunction with regular course work, students gain experience through practical application with a required reading practicum in the public schools. Prerequisites: 322 and 323. Credit 3 hours.

362 Professional Development School Seminar A.

This seminar focus includes acquaintance with PDS site, explorations of “specials” (art, music, library) and their relation to the educational process of the school program, observations, curricular review, and presentations in the content areas of math, social studies, children’s literature, art, and music, and lesson design, planning, and methodology. This seminar is taken during the first PDS Module. Open only to and required for students accepted into the Professional Development School program for Elementary Education majors. Credit 1 hour.

363 Professional Development School Seminar B.

This seminar focus includes exploration of effective teaching practices, observation, curricular review, and presentation in the content areas of science, language arts, and physical education, familiarization with the state and local testing programs, acquaintance with food service and transportation resources and the particulars associated with the planning and implementation of classroom field trips. This seminar is taken during the second PDS Module. Open only to and required for students accepted into the Professional Development School program for Elementary Education majors. Credit 1 hour.

416 Introduction to the Reading Process.

Introduces prospective early childhood and elementary teachers to children’s speech and language development, the recognition and development of readiness skills, the overall scope

of emergent literacy issues and an understanding of basic literacy development, appropriate methodologies for building the communication skills of students and curriculum and instructional resources that would integrate these skills in all curricular areas. In conjunction with regular course work, the prospective teacher will gain experience through practical application with a required 20 hour practicum in the public schools. Credit 3 hours.

420 Oral Language Development.

This course introduces prospective educators to children’s speech and language development, recognition and development of readiness skills, and appropriate methodologies for developing the communications skills of young children. Credit 3 hours.

425 Administration, Guidance, and Behavior.

This course will provide an overview of the responsibilities of administrators, directors, and teachers in school and program management. Legal and financial issues also will be covered, as well as ethical aspects of early childhood programs. Additionally, students will be introduced to successful classroom management strategies. Credit 3 hours.

429 Assessment in EC Intervention.

This course will focus upon the administration and interpretation of test instruments including screening tests, formal and informal tests, norm- and criterion-referenced tests, and diagnostic and achievement tests. Individual assessment of developmental skills, academic achievement, adaptive behavior, and processes will be included. Credit 3 hours.

432 Technology in Special Education.

The goal of this course is to provide an overview of technology; specifically, assistive technology available and what it can do for learners with special needs. In addition, students will be able to implement a framework for identifying student needs and determining desired

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outcomes when choosing technological solutions. Credit 3 hours.

435 Science and Math. This course will prepare prospective teachers to teach science and mathematics in the early childhood (birth through eight) setting. Theories and methodologies will be explored. Special attention will be given to developmentally appropriate activities, with significant emphasis placed on integrating subject matter. Technology issues also will be covered. Credit 3 hours.

437 Elementary School Methods and Management. This course focuses on the development of professional teaching skills for the elementary and middle school teacher, including: a personal philosophy of education; classroom management procedures; a discipline plan; instructional methods and strategies; program, course, unit, and lesson planning; awareness of current trends in education; and assessment/evaluation strategies. During this semester, students complete their professional portfolio and make application for student teaching placement. This course is taken immediately prior to the professional block. Prerequisites: Permission of instructor, successful completion of 346 and 416, and senior standing. Credit 3 hours.

438 Teaching (subject) in the Secondary School. This course provides secondary education candidates with instructional strategies, methods and familiarity with current trends in their content area. Students are involved in a mentoring triad with public school teachers, subject area faculty, and the secondary education director. In conjunction with his or her mentor partners, each student develops a plan for study, observation, and practice in the public schools and on campus. Prerequisites: concurrent enrollment in 439 and successful completion of 348 or permission of instructor. Credit 3 hours.

439 Secondary School Methods and Management. This course focuses on the development of professional teaching skills for the secondary and middle school teacher, including: a personal philosophy of education; classroom management procedures; a discipline plan; instructional methods and strategies; program, course, unit, and lesson planning; awareness of current trends in education; and assessment/evaluation strategies. During this semester, students complete their professional portfolio and make application for student teaching placement. This course is taken immediately prior to the professional block. Prerequisites: Permission of instructor, admission to Teacher Education, and senior standing. Credit 3 hours.

440 Professional Problems and Relations of Teachers. A seminar course designed to be taken in conjunction with the student teaching block. The course exposes students to current trends and practices related to effective teaching and school improvement. Students will also identify and reflect upon the professional problems which may be encountered by beginning teachers. Prerequisites: Successful completion of 437 or 439, senior standing, acceptance as a candidate for teacher certification. Credit 1 hour.

446 Observation and Supervised Teaching in Early Childhood Programs. Clinical experiences in kindergarten through third grade public school classrooms for teacher certification candidates. Concurrent with 440. Prerequisites: Successful completion of the eight early childhood core courses. Credit 12 hours.

447 Observation and Supervised Teaching in the Elementary School. Clinical experiences in the public schools for teacher certification candidates. Prerequisites: Successful completion of 437; acceptance as a can-

didate for teacher certification. Concurrent with 440. Credit 12 hours.

448 Observation and Supervised Teaching in the Middle School.

Clinical experiences in the public schools for teacher certification candidates. Prerequisites: Successful completion of 437 or 439; acceptance as a candidate for teacher certification. Concurrent with 440. Credit 12 hours.

449 Observation and Supervised Teaching in the Secondary School.

Clinical experiences in the public schools for teacher certification candidates. Prerequisites: Successful completion of 439; acceptance as a candidate for teacher certification. Concurrent with 440. Credit 12 hours.

462 Professional Development School Seminar C.

This seminar focus includes assessment procedures at the classroom and building levels including grades; record keeping and reporting processes; working with parents, including parent/teacher conferences; roles and responsibilities of the home-school specialist, DARE officer, and custodial staff; extended lesson/unit planning and presentation; classroom celebrations; school demographics with implications for program planning, and reading curriculum. This seminar is taken during the third PDS module which immediately precedes the student teaching semester. Open only to and required for students accepted into the Professional Development School program for Elementary Education majors. Credit 1 hour.

463 Professional Development School Seminar D.

This seminar focus is Action Research. Students in consultation with PDS liaison, mentors, and site managers design, explore, and implement an action research project within their classroom/building reflective of previous on-site experiences and course work. This seminar is taken during the fourth PDS module which is the student teaching semester. Open only to

and required for students accepted into the Professional Development School program for Elementary Education majors. Credit 1 hour.

Engineering

Southwestern College offers a dual-degree program in engineering in cooperation with Washington University in St. Louis. For more information about this program, please see the Physics section of this catalog.

English

The major in English prepares students for graduate study within the field of English or within related fields and for all professional study which relies on preparation, analysis, or interpretation of texts.

B.A., Major in English

Major requirements:

In English:

- 211 Survey of English Literature 1
- 212 Survey of English Literature 2
- 225 Survey of American Literature 1
- 226 Survey of American Literature 2
- 335 World Literature
- 380 Multicultural Literature
- 454 Senior Project (3 hours)

In Integrative Studies:

- 499 Responsibility for the Future

All requirements of one emphasis area (below)

Emphasis in Literature

In English:

Five additional courses from the following:

- 314 Shakespeare
- 325 The Renaissance
- 340 Language: Structure and Meaning

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- 346 Colonial and Post Colonial Literature in English
- 347 Mythology and Literature
- 349 20th and 21st Century Literature
- 425 Genre: Short Story
- 427 Genre: Poetry
- 429 Genre: Novella
- 430 Genre: Drama
- 440 Major Authors
- 499 Literary Theory and Criticism

In Languages:

At least 12 hours in a foreign language

Emphasis in Writing

In English:

- 260 Advanced Composition
- 330 Creative Writing: Short Story
- 337 Creative Writing: Poetry
- 348 Creative Writing: Novella

Two additional courses from the following:

- 314 Shakespeare
- 325 The Renaissance
- 340 Language: Structure and Meaning
- 346 Colonial and Post Colonial Literature in English
- 347 Mythology and Literature
- 349 20th and 21st Century Literature
- 425 Genre: Short Story
- 427 Genre: Poetry
- 429 Genre: Novella
- 430 Genre: Drama
- 440 Major Authors
- 499 Literary Theory and Criticism

In Languages:

At least 9 hours in a foreign language

Emphasis in Secondary Education

In English:

- 260 Advanced Composition
- 329 Children's and Adolescent's Literature
- 340 Language: Structure and Meaning
- 499 Literary Theory and Criticism

Three additional courses from the following:

- 314 Shakespeare
- 325 The Renaissance
- 346 Colonial and Post Colonial Literature in English
- 347 Mythology and Literature
- 349 20th and 21st Century Literature
- 425 Genre: Short Story
- 427 Genre: Poetry
- 429 Genre: Novella
- 430 Genre: Drama
- 440 Major Authors

In Languages:

At least 6 hours in a foreign language

All requirements for teacher certification as listed in the Education section of this catalog

Minor in English

Requirements:

In English:

Two survey courses

Four additional courses

English Courses

Department Code: ENG

210 Business Communications. Course will focus on audience-oriented communication in the corporate culture. Oral and written communication forms, created with a corporate audience in mind, will be practiced using PowerPoint and other visual aids. Emphasis will be on developing and demonstrating communication skills, both singularly and in groups. Course procedures include oral and written communications, group interaction in class, and group project. Cross-listed with Business, Communication. Credit 3 hours.

211 Survey of English Literature 1. Study of major English texts from the beginnings of English literature through the neo-classical period in the eighteenth century. Credit 3 hours.

- 212 Survey of English Literature 2.** Study of representative English texts from the Romantic era to the present. Credit 3 hours.
- 225 Survey of American Literature 1.** Readings in American literature from the Colonial era through the age of Romanticism. Selections read in the course will include histories, journals, essays, Native American stories and legends, poetry, excerpts from novels, short fiction, and narratives. Credit 3 hours.
- 226 Survey of American Literature 2.** Readings in American literature from 1865 to the present. Readings will include poetry, short fiction, novels, drama, and reflect the cultural and intellectual diversity of American literature from the 1800s to the 20th and 21st centuries. Credit 3 hours.
- 260 Advanced Composition.** Rhetorical principles of persuasive writing reviewed and practiced. Credit 3 hours.
- 314 Shakespeare.** Introduction to Shakespearean study through the histories, comedies, and tragedies. Credit 3 hours.
- 325 The Renaissance.** An examination of representative documents reflecting the origin and spread of Renaissance practices and ideals from Italy through England and into Northern Europe. Credit 3 hours.
- 329 Children's and Adolescents' Literature.** Survey of literature K-12. Exploration of literature and relevant contemporary issues regarding literary works and pedagogy pre-K through 12th grade. Cross-listed with Education. Credit 3 hours.
- 330-337-348 Creative Writing Sequence.** Includes 330 Short Story, 337 Poetry, and 348 Novella. Emphasis is placed on writing, editing, and evaluating the student's own prose or poetry. Courses may also include reading of traditional, contemporary, and experimental forms of fiction and poetry. Credit 3 hours per course.
- 335 World Literature.** A Study of European and non-European literature in translation. Will focus on classical as well as contemporary texts in translation. The traditional genres of drama, poetry, short story, and novel will be examined. Credit 3 hours.
- 340 Language: Structure and Meaning.** Basic information about analysis and description of human languages and ways in which human beings use their languages to communicate with one another. Cross-listed with Anthropology and Linguistics. Credit 3 hours.
- 346 Colonial and Post Colonial Literature in English.** A critical exploration of how literature participates in the making of a colonial and post colonial national culture. This course will either focus exclusively on the literature of one of the following: British India, Africa, or the West Indies; or it will focus on a combination of these. Credit 3 hours.
- 347 Mythology and Literature.** A critical study of the structure and function of mythology in various cultures of the world. Credit 3 hours.
- 349 20th and 21st Century Literature.** A critical study of the development of new literary forms during the twentieth century and those emerging in the 21st century. Credit 3 hours.
- 364 English History.** A survey of central events in the history of England from its tribal origins through the interactions of feudal state and royal empire to the end of colonial control and its aftermath. Cross-listed with History. Credit 3 hours.
- 380 Multicultural Literature.** From the barrios of Los Angeles, the fields of Yoder, Kansas, the orchards of Brownsville, Texas, the reservations of the Southwest, the ghettos of New York, and the bayous of Louisiana, America has become not a melting pot but a mosaic or a symphony of ethnic voices and experiences. This course examines some of the brilliant expressions of these expe-

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riences in the United States. Credit 3 hours.

420 Business and Administrative Communication. The study and writing of technical reports, letters, memos, resumes, progress reports, and proposals. The course will also include various functions associated with writing: organization, sentence structure, and grammar in conjunction with rhetorical theory. Cross-listed with Business. Credit 3 hours.

425-427-429-430 Literary Genre Block. Includes 425 Short Story, 427 Genre: Poetry, 429 The Novella, and 430 Drama. One course in a literary genre is taught each semester. Credit 3 hours per course.

440 Major Authors and Movements Block. Each semester a major author or a literary movement will be studied in depth. Examples are: Hemingway or Fitzgerald; Tolstoi, Dostoievski, Faulkner, or Welty; Chaucer or Milton; the Transcendental or the Romantic Movement. Credit 3 hours per course.

454 Senior Project in English. Subject area chosen by student and instructor in conference. Extensive reading and discussion culminating in a paper of depth. Oral examination will be required. Credit 3 hours.

499 Literary Theory and Criticism. Introduction to a variety of theoretical approaches, including classical and contemporary texts. Considers the historical conflicts and issues of theory. Credit 3 hours.

Essential Skills

These courses are designed to increase skills in particular areas of identified need. Essential Skills courses are listed with a first digit of zero.

The Learning Center serves all students who want to become more efficient learners. Through individualized

study, group instruction, computerized tutorials, or one-on-one tutoring, the student is offered personalized attention while working to improve reading, writing, or study skills. Admittance to Essential Skills 1 and 2 is by permission of the director.

Essential Skills Courses

Department Code: ESKL

079 Essential Skills 1. A course designed to strengthen skills essential to becoming a successful college student. Emphasis placed on study and practice of basic skills in college writing, study techniques, note taking, time management. Required for students who are admitted conditionally, or at recommendation of academic affairs committee. Credit 3 hours.

080 Essential Skills 2. A continuation of Essential Skills 1, the course is designed to strengthen skills essential to becoming a successful college student. Emphasis is placed on study and practice of basic skills in college writing, study techniques, note taking, test taking, time management, speaking. Required for students who are admitted conditionally, or at the recommendation of the academic affairs committee. Credit 3 hours.

090 Quantitative Essential Skills. A course designed to strengthen quantitative skills essential to becoming a successful college student. It includes a study of whole numbers, signed numbers, fractions, decimals and percents, polynomials, solving linear equations, applications of linear equations, graphing linear equations, problems translated into linear equations, integral powers and scientific notation, radicals, and fractional exponents. Required for students who have a score of less than 40 on the elementary algebra part of the Accuplacer before taking any higher level mathematics course. Credit 3 hours.

General Studies (B.G.S.)

The Bachelor of General Studies degree may be pursued by students in lieu of any other baccalaureate degree. Students must complete a minimum of 36 upper division credit hours in at least five different disciplines. This degree considers the breadth of course work. To pursue the B.G.S. degree requires students, in consultation with an advisor, to submit a proposal to the academic dean for approval.

Geography

Geography Course

Department Code: GEOG

201 World Geography. An introduction to geography structured around major world regions. Physical environment, political, social and economic geography. Credit 3 hours.

History

Students majoring in history develop a critical consciousness of self, society, and the world; become knowledgeable about the interdependence of societies past and present, about the development of the world's division into North and South, about the impact of internal and external colonization on the colonized and the colonizer, and about the nature and functions of education in societies; become knowledgeable about the political, social and economic history of the U.S. in the context of world history; and have the needed research, writing, and communication skills for a variety of career possibilities.

B.A., Major in History

Major requirements:

In History:

- 331 19th Century U.S. History
- 333 20th Century U.S. History
- 464 Senior Seminar in History

21 additional hours in History electives as approved by History faculty.

Cognate requirements:

In Political Science:

- 105 Introduction to Public Policy
- 213 The National Government

In Mathematics:

- 215 Introduction to Statistics, or a computing course

In Geography:

- 201 World Geography

In Anthropology:

- 219 Cultural Anthropology

Minor in History

Requirements:

In History:

- 220 World Cultures to 800 A.D.
- 320 World Cultures from 800-1600
- 321 World Cultures from 1600-1900
- 422 The World in the 20th Century

Six hours selected from:

- 330 America to 1800
- 331 19th Century U.S. History
- 332 Kansas History
- 333 20th Century U.S. History

Six hours from any other History courses but no more than three hours of 352 or 452 Readings courses.

Secondary Certification in History

Completion of this program leads to secondary certification in American history, world history, and political science.

Requirements:

In History:

- 220 World Cultures to 800 A.D.
- 320 World Cultures from 800-1600
- 321 World Cultures from 1600-1900
- 325 Modern China and Japan
- 330 America to 1800
- 331 19th Century U.S.
- 332 Kansas History

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- 333 20th Century U.S. History
- 422 The World in the 20th Century
- 464 Senior Seminar in History

In Political Science:

- 105 Introduction to Public Policy
- 213 The National Government

In Geography:

- 201 World Geography

In Anthropology:

- 219 Cultural Anthropology

In Economics:

- 101 Principles of Microeconomics

All requirements for Kansas teacher certification as listed in the Education section of this catalog.

History Courses

Department Code: HIST

- 220 World Cultures to 800 A.D.** The general objective is to develop a basic understanding of the geography of the world and some of the early Asian, African, European, and American cultures prior to 800 A.D. Credit 3 hours.
- 320 World Cultures From 800-1600.** A study of the changes in Asian, African, European, and American cultures from 800-1600 with emphasis upon interactions between cultures. Credit 3 hours.
- 321 World Cultures From 1600-1900.** A study of changes in Asian, African, European and American cultures from 1600-1900 with emphasis upon interaction between the cultures. Credit 3 hours.
- 325 Modern China and Japan.** A study of the history of China and Japan in modern times and the impact of the West, emphasizing China's disintegration and Japan's successful modernization in the face of foreign pressure. Credit 3 hours.
- 330 America to 1800.** A study of the interaction of people and cultures of America prior to 1800. Credit 3 hours.
- 331 19th Century U.S.** Examination of American history from the Jeffersonian-Jacksonian period through increasing sectionalism and the Civil War, followed by Reconstruction and the industrialization of the economy. Focus on political, economic, and social history. Credit 3 hours.
- 332 Kansas History.** A detailed investigation of the land, peoples, cultures, and socioeconomic development. Credit 3 hours.
- 333 20th Century U.S.** A detailed examination of American history during the twentieth century with a focus on political, economic, and social history. Credit 3 hours.
- 335 History of American Christianity.** A survey of people, places, and events of American Christianity set in the larger context of world history. It invites students to explore the role Christianity has played in North America in shaping (as well as being shaped by) cultural characteristics of the United States. Cross-listed with Religion. Credit 3 hours.
- 337 History of Methodism.** An introduction to the general characteristics of Methodism, focusing on the United Methodist Church in the United States. Beginning with John Wesley, it moves to the history of American Methodism, considers doctrinal controversies and changes, surveys denominational structures and touches upon contemporary issues. The course provides an overall introduction to the history, doctrine, and polity courses required for seminary students planning to enter United Methodist ministry, but is accessible to all students interested in gaining familiarity with this denomination. Cross-listed with Religion. Credit 3 hours.
- 355 Advanced Topics in History.** An in-depth analysis of a particular historical problem or theme. Topics are dependent upon the interests of the history faculty but will address a specific historical period, region, thematic area, or historiographical approach. Possible titles include the European Reformation, African History, Labor History, and

the Microhistorical approach. Credit 3 hours.

364 English History. A survey of central events in the history of England from its tribal origins through the interactions of feudal state and royal empire to the end of colonial control and its aftermath. Cross-listed with English. Credit 3 hours.

422 The World in the Twentieth Century. An overview of major global trends and events in the twentieth century, with emphasis on the interaction between the U.S. and other nations and regions in the global system. Attention given to domestic and international historical context of 20th century. Credit 3 hours.

459 Practicum in History. Designed to give the student experience in museum or historical archives work. Prerequisite: consent of instructor. Credit 1 to 5 hours.

464 Senior Seminar in History. A consideration of historiography as the philosophy of history and the methods and methodology of doing historical research and writing. Students will read and discuss important monographs and/or journal articles in history, historiography, and government. In addition they will develop a topic, do the research and writing, and present a senior thesis for both peer and faculty review and evaluation. Required of all senior history majors. Credit 3 hours.

Integrative Studies

B.A., Major in Liberal Arts and Sciences

The goals of this major are those listed elsewhere under integrative studies. They include providing students with a holistic view of education and life as well as a recognition that they are part of a greater global whole. These students

must have at least a rudimentary awareness of the natural sciences, social sciences, arts, and communication.

Major requirements:

In Integrative Studies:

352 Readings in Integrative Studies (3 hours)

397 Quantum Renaissance: My Big T.O.E. (Theory of Everything)

Twelve additional hours taken beyond the college requirements

In English:

325 The Renaissance

21 hours of electives from different majors to be approved by the Integrative Studies Council.

Completion of at least one minor in another discipline.

Minor in Environmental Studies

Requirements:

In Integrative Studies:

201 Environmental Issues or HLAS equivalent

In Chemistry:

111 General Chemistry 1

In Biology:

336 Ecology

In Political Science:

222 International Relations

In Economics:

101 Principles of Microeconomics

Minor in Leadership

Requirements:

In Integrative Studies:

214 Leadership

In Social Science:

206 Exploring Leadership

307 Applied Leadership

408 Advanced Leadership

In Communication:

One course selected from:

102 Elements of Oral Communication

210 Business Communication

At least three additional hours selected from SOCS 330 Service-Learning Travel, a

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practicum or internship in the student's major field of study (approval required from director of leadership), or study abroad.

Integrative Studies Courses

Department Code: LAS

- 110 Writing Across the Disciplines.** A writing intensive course that considers the rhetorical strategies and issues of the different disciplines. Integration of varied modes of communication: oral, written, and technological. Credit 3 hours.
- 120 Research Across the Disciplines.** A writing intensive course stressing research methods across the disciplines. Emphasis on different methodologies used in a variety of fields, including social sciences, humanities, and natural sciences. Prerequisite: successful completion of 110. Credit 3 hours.
- 130 Ancient Civilizations.** A combination of prehistory and history, from the earliest appearance of humanlike ancestors some five and a half million years ago, through the invention of agriculture, writing, mathematics, and other key developments, to the medieval period of world history around 1300 A.D. A combination of insights on the early human story from a variety of perspectives with special attention to the rise and fall of specific civilizations. Credit 3 hours.
- 140 Modern Civilization.** An examination of the history and culture of a country/region of the world since 1500 to seek to discover our own cultural biases and to discover ways that we may examine, appreciate, and interact with other cultures. Credit 3 hours.
- 150 Creativity.** Theoretical examination of creativity. Fundamental issues examined. What is creativity? Can creativity be learned? How does creativity apply to education, career, and personal development? Credit 3 hours.
- 160 Applied Creativity.** Hands on activities featured from several disciplines; most based primarily in the fine and applied arts. Activities to include optional modules from fields which require creative responses to real world problems. Within multi-disciplinary framework, students introduced to a wide variety of creative possibilities. Credit 3 hours.
- 165 Computer, Brain, and Society.** Investigations into the impact of the computer on society and its role in performing functions associated with human intelligence. Credit 3 hours.
- 170 Atom and Cosmos.** A descriptive examination of fundamental principles in physics, both mechanics and energy. Includes a review of modern atomic research, origin theories, and current efforts to explore and to map the universe. Credit 3 hours.
- 180 Planet Earth.** An examination of life on the planet in terms of world biomes, biogeographical realms, and global climate patterns. Provides an overview of physical geography including climate, soils, and topography. Credit 3 hours.
- 185 Mind, Body, Universe.** A biopsychosocial spiritual approach to mind and body interactions. Both community service and physical activity are emphasized as paths to individual and social wellness. Credit 3 hours.
- 201 Environmental Issues.** A research-based course in which students focus on the historical, physical, biological, and social/economic/political aspects of a specific environmental topic. Credit 3 hours.
- 202 Future Watch.** Course will examine institutions, national and multinational corporations, and human and natural resources which will determine the social and economic future of Generation X. Credit 3 hours.
- 205 Money.** Consumerism in a fluid economy. Students become familiar with basic economic terminology, fundamentals of personal finance, and ba-

- sic business principles. Features interactive exercises, field trips, and case studies. Credit 3 hours.
- 207 From Alchemy to Chemistry.** Begins by examining alchemy through literary and philosophical texts of the Middle Ages and the Renaissance and proceeds to a more recent understanding of chemistry: The class will consider the Medieval and Renaissance alchemical precursors and more recent advances in the field. Will include simple experiments that demonstrate the magic of alchemy and the science of chemistry. Credit 3 hours.
- 210 Environmental Economics.** An analytical approach that balances our concern for the economy and individual rights with the ecosystem and community values. Issues such as sustainable economic growth and technology; values that drive the ecological debate; perspectives on work, leisure and philosophy of life, will be addressed. The conflict between the desire for personal freedom and the need for community/global responsibilities will be rationalized by the examination of a comprehensive economic model. Credit 3 hours.
- 214 Leadership.** An introduction to leadership theory begins the class. Analysis of historical leaders, contemporary leaders, and self as leader follows. Students end the class with a learning experience designed to foster collaboration among a team of students and one that gives opportunity for that team to articulate a shared vision. Credit 3 hours.
- 215 Race, Age, and Ethnicity.** Provides fundamental information about persons from different race and ethnic groups, as well as from different age cohorts. This information will be utilized to develop an understanding of our own lives in relation to others. Credit 3 hours.
- 217 Beyond Race and Racism: Ethno-Cultural Appreciation.** Twofold emphasis: 1) increasing students' awareness of their own ethno-cultural roots and the influence of these roots on their world views and interactions with others, and 2) increasing students' understanding of and sensitivity to the experience of being an ethnic minority in the U.S. today. Credit 3 hours.
- 220 Gender.** An examination of differences and similarities between the sexes. Based on recent psycho-biological and linguistic research, an exploration of the impact of gender on social, economic, political, and aesthetic models of reality. Credit 3 hours.
- 225 PrairyLife.** An examination of the people of Kansas and their interaction with historical events and the environment using historical and literary sources, field experiences, films, and student research. Credit 3 hours.
- 227 Gendering.** Will present theories of how gender is constructed and how we appropriate those constructions both consciously and unconsciously; approach will be psychological; applications will be literary. Credit 3 hours.
- 230 Drugs: Research and Reward.** This course provides an introduction to how drugs affect our lives and bodies. Topics covered include the role of the Food and Drug Administration (FDA) in drug development, how specific diseases are treated, and the effects of illegal drugs on the individual and society. The course is designed to be accessible to students with a limited science background. Credit 3 hours.
- 231 Theatre Across the Disciplines.** This lab-intensive course stresses theatre involvement and methods across the disciplines. Emphasis is placed on communicating with and developing empathy for others in a variety of fields including the humanities, social sciences, and natural sciences. The course seeks to connect learning and sharing among all disciplines through theatre games, creative dramatics, and dramatic literature and its performance across campus and in the surrounding community. As theatre entertains and

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teaches, it helps us build connections to understand ourselves and our world. Credit 3 hours.

233 New Frontiers in American Education. Focuses on the changing world of American education with an emphasis on information gathering through guest speakers, on-site visits, and participation in the various entities which constitute current educational trends. Designed for students in any field of study, this course will provide opportunity for identification and evaluation of the skills contemporary high school graduates will bring to the workplace and to higher education in the 21st century. Credit 3 hours.

234 Psychology and Art. An exploration of how art and psychology are interrelated. Students will be introduced to famous artists, their lives, and their art. Emphasis on artists who may have been labeled mentally ill. Some work in color and color psychology. Credit 3 hours.

235 Language. Examination of the history and origin of the English language; additional sign systems both linguistic and non-linguistic will be explored. These may include music and mathematical notation, color theory, and body language. Credit 3 hours.

236 Women in Art. A reflective look at women in art and why society has been so slow to recognize women in the arts. An examination of women artists through analysis of style, technique, media, and design. Credit 3 hours.

237 Art As Therapy. Examines the uses of two and three dimensional art forms as they are currently used in diagnostic and therapeutic interventions. Credit 3 hours.

240 Truth and Beauty: Chaos and Fractals. Begins with classical treatments and definitions of truth and beauty in early texts. Contemporary definitions sought. Concludes with focus on recent claims raised by those developing chaos theory and fractal geometry. The power, development, and

uses of complex analysis examined. Credit 3 hours.

242 Mathematics and Art. A study of the geometric connections between art and mathematics including tessellations in different cultures, Fibonacci sequences, the Golden Ratio and Golden sections, and work by artist M. C. Escher. Credit 3 hours.

244 Mathematical Bridges To Science. The mathematics of social choice, management science, mathematical logic, Fuzzy Logic and its applications, Euler Circuits, and Graph Theory. In addition the course will explore mathematical structures and approaches from cultures outside the current mathematical mainstream. Credit 3 hours.

245 Judeo-Christian Tradition. Our culture, the college and other institutions, and many of us as individuals, have roots in the Judeo-Christian heritage. To understand and appreciate those roots, and to choose intelligently where it is appropriate and beneficial to be attached to them, is vital for the flowering of our individual and corporate lives. To help us in that direction is the aim of this course. Credit 3 hours.

247 Buddhism. Examines common tenets of various Buddhist forms, the history and practice of Buddhism, and the current application and misapplication of Buddhist thought in contemporary American contexts. Credit 3 hours.

250 Spirituality: Comparative Religions. Individually and corporately we each have a spirituality, whether this is expressed in religious or other ways. That every culture has one or more religions means great religious diversity in the world. To appreciate the spirituality expressed in these diverse forms, and to find human commonality and cooperation that transcends the diversity, is increasingly urgent in our global society. Credit 3 hours.

257 Sights and Sounds: Sense and Sensibility. Course features an exploration of parallels between art and music

as well as the interactions among the artists and musicians who created those forms. Credit 3 hours.

260-265-270-274 World Literature and Cinema. Each semester literature and film representing a different country, culture, or geopolitical region featured. The intent is to examine cultural definitions through comparative modes of creative expression. These to include: African, the Americas, Indian, Asian, Slavic, and European modes and cultures. Topic announced each semester. Credit 3 hours.

262 Science Fiction Television. Examines the history of the genre to see how programming has dealt with significant political and social issues in a way unexplored in most dramatic television. It will also explore theories of Carl Jung to see how archetypes help to unify character and theme in Science Fiction TV. An additional focus will be on attempts of futuristic series to create a modern mythic construct for a society devoid of a unified native mythos. Credit 3 hours.

275 Life on Earth: A History. A multi-disciplinary exploration of the history of life on earth. In addition to an examination of evolutionary explanations for the unity and diversity of life, this course will discuss the historical and philosophical aspects of the study of evolution. Topics such as the origin of life, mass extinctions, extraterrestrial life, and human evolution will be examined. Credit 3 hours.

277 Genetics: Promises and Perils. Basic principles of genetics will be introduced as a foundation for examining applications of genetics in medicine, forensics, agriculture, counseling, law, and general issues of social engineering. The specific topics examined will depend on interests of students enrolled. Credit 3 hours.

280 History of Science. An overview of the emergence of science from the early stirrings in pre-Christian cultures

through its flowering in the twentieth century. Time-lines developed. Within this context, major theoretical and experimental contributions within science and technology examined. Attention to the philosophy of science an integral element. Credit 3 hours.

282 Myths and Their Makers. An examination of the life and work of Joseph Campbell as it relates to the power of myth in various cultures. Course will also evaluate poetry, fiction and films which embody Campbell's ideas. Credit 3 hours.

352 Readings in Integrative Studies. Students will take this independent study with faculty members of their choice who will suggest a book that "changed their life." The student will read the book, discuss it with the faculty member, and turn in a final critical or experiential paper for grade. LAS majors must complete three of these readings. Credit 1 hour. May be repeated for credit.

397 Quantum Renaissance: My Big T.O.E. (Theory of Everything). Students will develop four to five "life-changing or vexing" questions that they expect to be important to them throughout their lives. They will acquire resources on those topics (research, books, interviews, videos, etc.), write preliminary position papers, and present symposium discussions on each topic. Credit 3 hours.

499 Responsibility for the Future. Seniors with various majors will share learnings and approaches from their different disciplines toward dealing holistically with issues that shape the future, seeking to integrate disciplines and to synthesize knowing, caring, and doing. Credit 3 hours.

Languages

The program in modern languages prepares students for graduate study, for professional study, for teaching, or for a wide range of occupations. In addition to on-campus major requirements, students in this major are required to earn a minimum of 15 credits through study outside the U.S. with a program offering credits through an accredited U.S. university. **The Modern Language Program is currently under review. For up-to-date information, contact the director of integrative studies.**

Spanish Track

Intensive Foreign Language Program (Spanish)

Students in this program study language intensively (the equivalent of 10 traditional semester hours) during the first semester of their freshman year in an immersion model focusing on speaking and listening. In the second semester they study abroad as a cohort in a carefully selected program with a focus on language acquisition as well as coursework comparable to the integrative studies curriculum. On return to campus these students complete additional modern language courses and engage in service-learning internships and programs that will enable them to demonstrate proficiency in the language.

Successful completion of 131 and 132 plus LAS 110 Writing Across the Disciplines satisfies the freshman year integrative studies requirements.

This program does not lead to a major. Rather, the goal is to provide students with proficiency in a second language leading to American Council on

the Teaching of Foreign Languages certification at the advanced level.

Program requirements:

In Spanish:

- 131 Intensive Spanish Block 1
- 132 Intensive Spanish Block 2
- 15 additional hours in advanced Spanish courses

Spanish Courses

Department Code: SPAN

- 131 Intensive Spanish Block 1.** Instruction will focus primarily on immersion in listening and speaking, secondarily on reading and writing, in the context of Latin American culture, using the ACTFL guidelines. In addition, students will complete a service-learning component or internship in major related setting. Credit 10-12 hours.
- 132 Intensive Spanish Block 2.** This block consists of a semester study in Central or Latin America, focusing on immersion in listening, speaking, reading, and writing as well as coursework selected to meet the goals of the integrative studies curriculum. Credit 15 hours.
- 321 Conversation and Composition 1.** An advanced course designed to progress toward fluency in the oral use of the language, ability to read with understanding, and to write with clarity. Topics for conversation and composition will be selected from contemporary culture and Spanish-language literature adapted to the needs of those enrolled. Prerequisite: 132 or equivalent. Credit 3 hours.
- 322 Conversation and Composition 2.** An advanced course allowing a student to consolidate the foundation in understanding, speaking, reading, and writing the language. Skills developed by application to topics of general interest. Prerequisite: 321 or equivalent. Credit 3 hours.
- 328 Spanish and Latin American Culture.** A panoramic view of the political,

social, and economic development. Prerequisite: 132. Credit 3 hours.

329 Latin American Culture in the United States. Study of problems confronted by the Spanish-speaking population in the United States and how these problems affect the process of learning in children belonging to that segment of the American population. Prerequisite: 132. Credit 3 hours.

330 Contrastive Phonetics. Practical phonetics, with exercises stressing individual sounds, sound patterns, intonation, and rhythm, in Spanish, contrasted with English. Prerequisite: 132. Credit 3 hours.

428 Latin American Literature. A study of Latin American literature in Spanish, covering the works of the most representative writers, emphasizing the twentieth century, giving attention to the various genres of literature from a historical perspective. Prerequisite: 132. Credit 3 hours.

429 Spanish Literature. A survey of classical literature and contemporary writers of Spain in selected represented works. Prerequisite: 132. Credit 3 hours.

Library and Information Sciences

Library and Information Sciences is a field in which professional and technical practitioners nurture research and information literacy while facilitating both access and transfer of information.

The Southwestern College Memorial Library is dedicated to assisting students to become confident and informed users and disseminators of information by fostering the ability to critically evaluate information resources, providing exposure to a wide array of information

mediums, and developing students' abilities to use information technology.

A pre-professional minor that will assist in preparing students for graduate study or for a wide range of library and information science technical service occupations, this course of study is composed of 18 credits and represents a combination of traditional coursework and practicums.

Minor in Library and Information Services

Minor Requirements:

12 hours in Library Science:

- 101 Basic Library and Information Skills
- 202 History of Libraries
- 355 Topics (repeatable)

Plus, any two practicums selected from the following:

- 459A Practicum in Reference/Circulation
- 459B Practicum in Cataloging
- 459C Practicum in Serials
- 459D Practicum in Resource Sharing
- 459E Practicum in Technical Service

Cognate requirements: 6 credits total

Two courses selected from the following:

In Accounting:

- 281 Financial Accounting

In Business:

- 394 Marketing

In Communication:

- 102 Elements of Oral Communication

In Computer Science and Digital Arts:

- 211 Basic Web site Design

Library Science Courses

Department Code: LBIS

101 Basic Library and Information Skills. An introduction to the primary elements of the information transfer cycle, search methodologies, classification systems/theory, and information ethics. Credit 2 hours.

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202 History of Libraries. Spanning a time period from Ashurbanipal's library at Nineveh to the "Virtual Library," study will focus on book technology throughout the ages and the history of librarianship. Credit 3 hours.

459A Practicum in Reference/Circulation. In this practicum the student will undertake 60 hours of library work experience under the supervision of the Reference Department of the Southwestern College Memorial Library. Written assignments and readings in Reference and Circulation theory/practice will enrich this learning experience. Credit 2 hours.

459B Practicum in Cataloging. Work experience within the Southwestern College Memorial Library consisting of 60 hours of hands-on cataloging. Additional written assignments will under gird the learning experience. Credit 2 hours.

459C Practicum in Serials. Work experience within the Southwestern College Memorial Library consisting of 60 hours of serials processing under the supervision of the Serials Department. Written assignments will play a part in the practicum experience. Credit 2 hours.

459D Practicum in Resource Sharing. Facility in obtaining resources from external institutions will be developed through a combination of 60 hours of hands on work experience in the Southwestern College Memorial Library Resource Sharing Department and written assignments. Credit 2 hours.

459E Practicum in Technical Service. An essential element of library service involves technology. Students will undertake 60 hours of work experience in the Southwestern College Memorial Library. Tasks may involve web page design/maintenance, work with the library's automation system, and database maintenance under the supervision of the appropriate library person-

nel. Prerequisite: CPTR 211. Credit 2 hours.

Marine Biology

See also Biology.

B.S., Major in Marine Biology

Major requirements:

In Biology:

- 111 Biology 1
- 112 Biology 2
- 216 Cell Biology
- 230 Genetics and Evolution
- 305 Marine Biology
- 461 Seminar in Biology
- 463 Research Design

A full semester of course work (12-15 credit hours) in marine biology will be taken at a marine biological field station. Both the course work and field station must receive prior approval in order to be considered for fulfillment of degree requirements. These courses count as courses taken on the campus of Southwestern College in fulfilling graduation requirements.

Cognate Requirements:

In Chemistry:

- 111 General Chemistry 1
- 112 General Chemistry 2
- 221 Organic Chemistry 1

In Mathematics:

- 215 Introduction to Statistics

Mathematics

The mathematics department offers students the opportunity to earn a bachelor of arts or a bachelor of science degree in mathematics. The department also assists students in meeting the Kansas State Board of Education requirements for secondary school certification in mathematics. Moreover, the department serves education students who plan to

teach mathematics at the middle school level.

Mathematics classes at Southwestern are small, and vital interpersonal relationships between faculty and students are encouraged. In addition, students have access to Southwestern's math lab. The math lab is equipped with computers, mathematical and scientific software, videos, resource books, manipulatives, and hands-on instructional devices.

B.S., Major in Mathematics

Major requirements:

In Mathematics:

- 222 Calculus 1
- 223 Calculus 2
- 224 Calculus 3
- 240 Statistics and Probability
- 319 Linear Algebra
- 320 Introduction to Advanced Mathematics
- 321 Ordinary Differential Equations
- 331 Foundations of Geometry
- 444 Abstract Algebra
- 445 Mathematical Analysis
- 447 Complex Variables

Cognate requirements:

In Computer Science and Digital Arts:

- 212 Programming 1 (or any other high-level programming language)

In Physics:

- 211 General Physics 1
- 212 General Physics 2

B.A., Major in Mathematics

Major requirements:

In Mathematics:

- 222 Calculus 1
- 223 Calculus 2
- 224 Calculus 3
- 240 Statistics and Probability
- 319 Linear Algebra
- 320 Introduction to Advanced Mathematics
- 321 Ordinary Differential Equations
- 331 Foundations of Geometry

- 444 Abstract Algebra

Cognate requirements:

In Computer Science and Digital Arts:

- 212 Programming 1 (or any other high-level programming language)

In Physics:

- 211 General Physics 1
- 212 General Physics 2

Minor in Mathematics

Requirements:

- 222 Calculus 1
- 223 Calculus 2

Nine additional hours of math courses of 200 level or above (excluding MATH 438)

Certification in Secondary Mathematics

Requirements:

In Mathematics:

- 222 Calculus 1
- 223 Calculus 2
- 224 Calculus 3
- 240 Statistics and Probability
- 319 Linear Algebra
- 320 Introduction to Advanced Mathematics
- 321 Ordinary Differential Equations
- 331 Foundations of Geometry
- 438 Teaching Mathematics in the Secondary School
- 444 Abstract Algebra

In Computer Science and Digital Arts:

- 212 Programming 1 (or any other high-level programming language)

In Physics:

- 211 General Physics 1
- 212 General Physics 2

All requirements for Kansas teacher certification as listed in the Education section of this catalog.

Certification in Middle Level Mathematics

Requirements:

In Mathematics:

- 110 College Algebra

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- 222 Calculus 1
- 240 Statistics and Probability
- 320 Introduction to Advanced Mathematics
- 331 Foundations of Geometry
- 438 Teaching Mathematics in the Secondary School

In Computer Science and Digital Arts:

- 212 Programming 1 (or any other high-level programming language)

All requirements for Kansas teacher certification as listed in the Education section of this catalog.

Mathematics Courses

Department Code: MATH

103 Foundations of Basic Mathematics.

Numbers and operations, fractions and operations, decimals, ratio, proportion and percent, introduction to algebra, geometry, measurement, statistics, and problem-solving techniques, including the use of technology. Credit 3 hours.

105 Intermediate Algebra. Fundamental operations, factoring, fractions, positive, negative, zero, and fractional exponents, linear and quadratic equations, systems of linear equations. Prerequisites: One year of high school algebra and a score of at least 40 in the elementary algebra part of the Accuplacer test or departmental consent. Credit 3 hours.

110 College Algebra. A review of Intermediate Algebra with more depth in the topics. Also logarithmic and exponential functions, the binomial theorem, systems of quadratic equations, and matrices and determinants. Prerequisites: 105, or two years of high school algebra and a score of at least 25 on the college level mathematics part of the Accuplacer test, or departmental consent. Credit 3 hours.

112 Trigonometry. A basic course in plane trigonometry. Prerequisite: 110 or two years of high school algebra. Credit 3 hours.

215 Introduction to Statistics. Application of elementary statistical tools in the analysis of grouped or ungrouped data. Statistical decision and analysis of variance. Basic probability theory. Designed to meet the statistical needs of the science, business, education, and social science student. Prerequisite: 105 or one year of high school algebra. Credit 3 hours.

222 Calculus 1. Limits, differentiation, integration of elementary functions with applications. Prerequisite: 110 or equivalent. Credit 4 hours.

223 Calculus 2. Differentiation, integration of trigonometric, exponential, logarithmic, inverse trigonometric, and hyperbolic functions, techniques of integration, and L'Hospital's rule. Prerequisites: 222 and 112 or equivalent. Credit 4 hours.

224 Calculus 3. Iterative integrals, partial differentiation, infinite series, with applications. Prerequisite: 223. Credit 4 hours.

240 Statistics and Probability. Basic statistics and probability theory and their applications in the analysis of data distributions. Inference for means, proportions, regression, Bayes' Rule, continuous joint distributions. Minitab computer applications in all areas. Prerequisite: 222. Credit 4 hours.

319 Linear Algebra. A study of matrices, determinants, vector spaces, changes in bases, and linear transformations with applications. Maple computer applications in different topics. Prerequisite: 110. Credit 3 hours.

320 Introduction to Advanced Mathematics. Develops the concept of theorem proving. Covers induction, fundamentals of set theory and logic, cardinal numbers, partially ordered sets, relations, and functions. Introduction to basic structures, to algebra and analysis, and to the history of their development. Prerequisite: 222. Credit 3 hours.

321 Ordinary Differential Equations. Solution methods for ordinary differ-

Music

ential equations, including series techniques and Laplace transforms, with applications. Prerequisite: 224. Credit 3 hours.

331 Foundations of Geometry. A study of axiomatic systems, Euclidean geometry (with emphasis on what should be taught in high school), non-Euclidean geometries, and the history of mathematics. Prerequisite: 320. Credit 3 hours.

353 Problems in Mathematical Science. Students who have demonstrated superior achievement in mathematics, by approval of the mathematics program, may enroll for independent study under the supervision of a faculty in this program. Prerequisite: 320. Credit 1-3 hours.

438 Teaching Math in the Secondary School. Study of the new and traditional methods in teaching mathematics in the secondary school. The course will provide an overview of all secondary mathematics courses and introduces manipulatives and software appropriate for each subject. Satisfies teacher certification requirement for Education 438. Prerequisite: 331. Credit 3 hours.

444 Abstract Algebra. Study of the classical algebraic systems. Topics include groups, symmetric groups, rings, ideals, quotient rings, and fields. Prerequisite: 320. Credit 3 hours.

445 Mathematical Analysis. Introduction to the topology of the real line, and to open and closed sets. It includes results concerning functions of one variable, limits of sequences, completeness, compactness, and continuity. Prerequisite: 320. Credit 3 hours.

447 Complex Variables. Study of the algebraic properties of complex numbers, complex functions, analytic and harmonic functions, complex integration, and series representations. Prerequisite: 320. Credit 3 hours.

The music department at Southwestern College is dedicated to helping all students who participate in its programs reach their maximum potential. Toward that end the music department makes a strong commitment to the liberal arts by providing all students with varied and significant classroom experiences and performance opportunities; prepares music students with the knowledge, skill, attitude, and appreciation necessary for them to be successful as professional music educators and performers; provides each music student with a wide range of educational and musical experiences which encourage continued professional growth; and serves as a center of musical excellence to its constituency—the school, the church, and the surrounding community.

General Requirements of Music Majors

Concert Attendance, Music 099, is required each semester, except during student teaching semester.

Ensemble participation is required each semester. Pianists may accompany for this requirement.

A sight singing proficiency and a piano proficiency are requirements for music degrees. Completion of these proficiencies must be satisfied prior to student teaching and graduation.

All music majors, unless excused by faculty, must be enrolled in private music lessons each semester in school.

A senior recital is required of all students seeking the B.Mus., major in music education degree. B.A., major in music candidates must complete a senior

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recital or optional requirements outlined in the Music Handbook.

The senior project, although recommended, is not required in every case. It may be combined with the senior recital.

Private Music Lessons

Private lessons are offered in increments of 1, 2, or 3 hours of credit. Students enrolling for one hour of credit receive a half-hour lesson each week and are expected to practice a minimum of six hours a week. Instruction is offered in the following areas: organ, piano, harpsichord, voice, strings, brass, woodwinds, guitar, percussion, and composition.

B.Mus., Major in Music Education

Requirements:

In Music:

- 111 Foundations in Music
- 112 Music Theory 1
- 115 Beginning Guitar
- 117 String Methods
- 118 Vocal Methods
- 211 Music Theory 2
- 212 Music Theory 3
- 215 Beginning Conducting
- 217 Woodwind Methods
- 219 Brass Methods
- 224 Elementary School Music Methods
- 311 Music Theory 4
- 313 Music History 1
- 314 Music History 2
- 315 Advanced Conducting
- 317 Percussion
- 321 Orchestration
- 325 Marching Band Methods or 328 Vocal Diction
- 438 Teaching and Directing Music in the Secondary School

Private music lessons 7 hours

Participation in an ensemble 7 hours

All requirements for Kansas teacher certification as listed in the Education Department section of this catalog (see Index).

B.A., Major in Music

Major requirements:

At least 30 hours in Music to include:

- 111 Foundations in Music
- 112 Music Theory 1
- 211 Music Theory 2
- 212 Music Theory 3
- 311 Music Theory 4
- 313 Music History 1
- 314 Music History 2

At least 10 hours of private music lessons to include 2 hours of keyboard unless exempted by proficiency examination.

Participation in an ensemble is required each semester.

The maximum number of hours in music which may be credited toward this degree is 51; no more than 16 of these hours may be in private lessons.

Minor in Music

Requirements:

At least 18 hours in Music to include:

- 111 Foundations in Music
- 313 Music History 1 or 314 Music History 2

Four hours of private music lessons

Four semesters of ensemble participation

The remaining 3 hours can be selected from:

- 112 Music Theory 1
- 118 Vocal Methods
- 215 Beginning Conducting
- 313 Music History 1
- 314 Music History 2

Any 1 hour credit course, ensemble, or applied lesson.

099 Concert attendance required four semesters.

Students selecting a minor in music must have their program approved in advance of registration by the Music Minor Advisor.

Music Courses

Department Code: MUS

*Only the music courses marked with an asterisk meet state requirements as courses in the liberal arts. Students taking music courses to fulfill the liberal arts requirements for teacher certification must choose from them.

099 Concert Attendance. A required course for all music majors in concert attendance. This course is required each semester of residence up to a maximum of eight semesters (not required during the student teacher semester). Credit 0 hours.

111 *Foundations in Music. Emphasis on the characteristics of music from the Renaissance to the present through selected major works. Introduction to music theory through the writing of intervals, scales, triads, key signatures. Introduction to aural comprehension through sight singing and dictation. Prerequisite: Ability to read notes. Credit 4 hours.

112 Music Theory 1. A compendium of musical construction including the study of melody and two- and three-voice combinations. Aural comprehension is correlated throughout, and aural application of all elements of study is stressed. The development of keyboard skills and music reading is emphasized. Prerequisite: 111 or permission of the instructor. Credit 4 hours.

115 Beginning Guitar. Introduction to guitar which includes folk and classical styles, various picking and strumming combinations, and an emphasis on solo and ensemble playing. Credit 1 hour.

117 String Methods. An introduction to strings. Designed to prepare the prospective music instructor to teach violin, viola, cello, and bass in the public schools. Topics include instructional materials, teaching techniques, solo and ensemble repertoire, instrument brands, care and minor repair. Credit 1 hour.

118 Vocal Methods. The study of singing techniques such as vocal production, breathing, diction, etc. in an atmosphere of the group dynamic. Introduction to basic techniques of vocal pedagogy. Six to seven students in a class with repertoire requirements commensurate with private study. Credit 1 hour.

150 Concert Band. Credit 1 hour. May be repeated for credit.

151 Ensembles. Various ensembles are available to students as laboratory groups, with or without credit, and open to student participation with consent of the instructor. Credit 0 to 1 hour. May be repeated for credit.

152 College Chorus. Credit 0 to 1 hour. May be repeated for credit.

153 Pep Band. Credit 0 to 1 hour. May be repeated for credit.

160 Orchestra. Credit 0 to 1 hour. May be repeated for credit.

211 Music Theory 2. A continuation of Theory 1 with an emphasis on harmonic vocabulary and chordal relationships along with a continuation of aural applications, keyboard, and music reading skills. An introduction to musical form through the study of binary, ternary, and through-composed forms. Prerequisite: 112. Credit 3 hours.

212 Music Theory 3. A continuation of Theory 2 involving the broadening of harmonic concepts to include seventh chords and chromatic chords. This course also includes a more intensive study of homophonic and contrapuntal forms. A continuation of aural applications, keyboard, and music reading skills. Prerequisite: 211. Credit 3 hours.

213 Band Instrument Repair. Designed to give the prospective public school instrumental director and music store employee a basic knowledge about the mechanisms of musical instruments and the performance of minor and emergency repairs. Credit 3 hours.

214-414 Musical Theatre Productions. The Division of Performing Arts offers the opportunity to students to partici-

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pate in extra musical productions of high quality. Participation in these activities will be by tryout and consent of instructor. Credit 1 to 2 hours.

215 Beginning Conducting. Introductory conducting techniques of the baton: gestures, signs, and cues as used in instrumental and choral organizations. Includes the essentials of score reading, technique, and interpretation. Prerequisite: Approval of instructor. Credit 2 hours.

217 Woodwind Methods. Designed to prepare the prospective music instructor to teach woodwinds in the public school setting. Topics covered include instructional materials, teaching techniques, solo and ensemble repertoire, instrument brands, care and minor repair, as well as the development of sufficient playing skill. Credit 1 hour.

219 Brass Methods. An introduction to brass instruments. Designed to prepare the prospective music instructor to teach trumpet, French horn, baritone, trombone and tuba in the public schools. Topics covered include: basic embouchure, breathing, fingering, instructional materials, teaching techniques, solo and ensemble repertoire, instrument brands, care and minor repair. Credit 1 hour.

222 Piano for Pleasure. Designed for non-music majors with limited or no background in piano. Objectives are geared to individual students' abilities and goals, ranging from playing of standard piano repertoire to the various facets of keyboard improvisation. This course is designed to develop piano skills for the lifelong values of personal achievement, aesthetic awareness, emotional expression, and social interaction. Credit 2 hours.

223 Music in the Elementary School. A course designed for the elementary classroom teacher. Credit 3 hours.

224 Elementary School Music Methods. A course for the music education major with a survey of techniques and

methods for teaching in grades K-6. Credit 3 hours.

226-227 Class Piano. Beginning piano for music majors. Credit 1 hour.

230 Private Lessons. Private vocal, instrumental, and composition study. Credit 1 to 3 hours. May be repeated for credit.

233 A Cappella Choir. Credit 0 to 1 hour. May be repeated for credit.

234 Jazz Band. Credit 0 to 1 hour. May be repeated for credit.

311 Music Theory 4. This course provides an introduction to music since 1900, integrating history, theory and analysis. It begins with the study of 9th, 11th, and 13th chords, continues through the deterioration of tonality under Schoenberg to the developments in the work of today's composers including contemporary tonalities and rhythms, twelve-tone technique and serialism. Prerequisite: 212. Credit 3 hours.

313 *Music History 1. A survey of music from the Christian era to the Pre-Classical. A study of accompanying literature, historical and social background, principal figures, both political and musical. Credit 3 hours.

314 *Music History 2. A survey of music from the Pre-Classical era through the leading trends of today. A study of accompanying literature, historical and social background, principal figures, both political and musical. Credit 3 hours.

315 Advanced Conducting. Advanced conducting techniques of the baton: gestures, signs, and cues as used in instrumental and choral organizations. Includes advanced work in score reading, technique, and interpretation. Credit 2 hours.

317 Percussion. An introduction to the basic rudiments. Methods of presentation and techniques of teaching percussion to students. Credit 1 hour.

321 Orchestration. The study of instrumentation, emphasizing scoring for various instrumental and choral combina-

tions, with an approach to the specific problems of orchestra, band, and choir. Credit 2 hours.

325 Marching Band Methods. The organization and charting techniques necessary for the operation of the secondary school marching band. Credit 2 hours.

328 Vocal Diction. A study of particular speech problems as they relate to the pronunciation of French, German, Italian, and the English languages. A review of problems as they apply to the singing of choral literature as well as to the solo song. Admission by consent of the instructor. Credit 2 hours.

428 Advanced Methods and Pedagogy. Methods and materials for teaching in the several applied areas. Vocal majors taking this course will study with vocal teachers. Instrumental students will study with instrumental teachers. Course designed to help prepare a graduating student to teach in the several applied areas. Credit 3 hours.

438 Teaching and Directing Music in the Secondary School. The organization and administrative methods used in the operation of vocal and instrumental programs in the secondary school. Satisfies teacher certification requirement for Education 438. Credit 3 hours.

458 *Special Literature Study. An independent study course in literature for specific fields of applied study. Course open only by consent of instructor. Credit 2 or 3 hours.

Nursing

The Department of Nursing exists to facilitate:

- Baccalaureate education of professional nurses capable of leadership in an ever-changing health care system

- Caring through encouraging health promotion for individuals and populations in a diverse society

- Caring for individuals in transition from crisis to growth

- Growth of students through development of their ability to think critically, to care selflessly, to be personally accountable, and to participate in life-long learning.

Graduate nurses are prepared through integration of knowledge based in the liberal arts and sciences, professional therapeutic nursing concepts, and the exploration of personal and professional values to practice in diverse settings.

Additional information about admission to the nursing program, as well as all policies and procedures, is found in the department's Program Information handbook. Students are expected to adhere to all policies stated in the handbook.

Successful completion of the nursing curriculum qualifies the graduate to sit for the National Council of State Boards of Nursing Licensure Examination.

B.S.N., Major in Nursing

Major requirements:

In Nursing:

305 Caring: The Essence of Professional Nursing

306 Health Promotion: A Caring Paradigm

307 Caring Practicum 1

308 Holistic Assessment

311 Caring With the Community

312 Health Promotion of Families

313 Caring as Cooperative Endeavors

316 Caring Practicum 2

318 Culture and Caring

324 Scholarly Inquiry 1

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- 403 Nursing Perspectives on Drug Therapy
- 412 Caring for Individuals in Times of Crisis
- 413 Ethical Caring
- 414 Supportive Care in Chronicity
- 415 Management and Professionalism
- 416 Current Issues in Professional Nursing
- 417 Nursing Care Seminar
- 418 Scholarly Inquiry 2
- 420 Senior Caring Practicum
- 421 Political Advocacy and Policy 1
- 422 Political Advocacy and Policy 2

In Biology:

- 221 Human Anatomy and Physiology
- 290 Pathophysiology
- 331 Principles of Nutrition

In Chemistry:

- 111 General Chemistry 1 or 101 Introduction to Chemistry

In Mathematics:

- 215 Introduction to Statistics

In Economics:

- 101 Principles of Microeconomics or
- 102 Principles of Macroeconomics

In Psychology:

- 112 General Psychology
- 218 Developmental Psychology
- 320 Abnormal Psychology

Nursing Courses

Department Code: NURS

- 305 Caring: The Essence of Professional Nursing.** Introduction to nursing professionalism and the caring and health promotion roles assumed by nurses. Exploration of the evolution of nursing, the concept of caring, caring theory, relationships, influences and behaviors, and development of caring for self and others. Prerequisite: admission to the nursing program. Credit 2 hours.
- 306 Health Promotion: A Caring Paradigm.** Health promotion and disease prevention from a theoretical,

philosophical, and historical perspective. Consideration of clients as individuals with health issues is approached from a positive orientation. Prerequisite: departmental consent. Credit 2 hours.

- 307 Caring Practicum 1.** Focus on caring qualities, competence, and confidence while developing technical skills. Students develop professional approaches to implementing nursing care founded in the caring philosophy in acute care facilities. Opportunity for learning through self-guided study, demonstration, visual aids, simulated and actual laboratory experiences. Classroom, laboratory, and practicum experience. Prerequisite: admission to the nursing program. Course graded S/U. Credit 4 hours.

- 308 Holistic Assessment.** Practice and application of assessment and analysis of data for individuals within the context of life. Classroom and laboratory experience. Prerequisite: departmental consent. Credit 4 hours.

- 311 Caring With the Community.** Development of assessment and analysis to identify potentially vulnerable populations and the identification of and application of effective caring and health promotion concepts. Completion of a community assessment and interaction within and among sectors of the community and the health care system. Classroom and practicum experience. Prerequisite: departmental consent. Credit 4 hours.

- 312 Health Promotion of Families.** Focus on the well family, specifically exploration of family dynamics and growth and development across the life span with application of effective health promotion and caring behavior during developmental crises. Classroom and practicum experience. Prerequisite: 308. Credit 5 hours.

- 313 Caring as Cooperative Endeavors.** Leadership, followership, group dynamics, empowerment of self and others,

and cooperative learning concepts are introduced, and applied through student-generated projects. Team building within the practice of nursing and collaboration with other health care providers are explored. Classroom and practicum experience. Prerequisite: departmental consent. Credit 2 hours.

- 316 Caring Practicum 2.** Novice experience in acute settings. Students demonstrate caring behaviors to meet the needs of individuals and families faced with health problems which require inpatient nursing care. Students continue to focus on caring behaviors of confidence and competence. Classroom, laboratory, and practicum experience. Prerequisite: 307. Course graded S/U. Credit 3 hours.
- 318 Culture and Caring.** Exploration of knowledge and skills needed by nurses to give culturally congruent care to people of diverse cultural groups. Comparison of beliefs, values, and practices related to health, illness, and health care of selected ethnic and cultural groups using theory and research references. Prerequisite: departmental consent. Credit 2 hours.
- 324 Scholarly Inquiry 1.** Introduction to nursing inquiry processes and beginning exploration of relationships between inquiry, theory, and practice. Development of a nursing practice issue for study. Prerequisite: departmental consent. Credit 1 hour.
- 403 Nursing Perspectives on Drug Therapy.** Provides for the study of general mechanisms of drug action. Drug classifications and their common actions, indications, and side effects are analyzed. The role of the nurse in developing a comprehensive approach to the clinical application of drug therapy will be explored. Prerequisite: departmental consent. Credit 2 hours.
- 412 Caring for Individuals in Times of Crisis.** Nursing concepts related to care of individuals and families with acute and critical health care issues

across the life span. Application and analysis of nursing interventions to meet the holistic needs of individuals and families experiencing acute and critical health crises. Classroom and practicum experience. Prerequisite: departmental consent. Credit 5 hours.

- 413 Ethical Caring.** Students are empowered to apply standards of ethical and legal thought to the practice of nursing and to their personal lives. Personal introspection and self-understanding are emphasized as ethical theory, principles, and rules are explored along with laws regulating the health care system. Prerequisite: departmental consent. Credit 2 hours.
- 414 Supportive Care in Chronicity.** Application of nursing concepts and caring behaviors to increase independence, maximize competence and psychological well being, and prevent social isolation in individuals and families with chronic health issues. Classroom and practicum experience. Prerequisite: departmental consent. Credit 3 hours.
- 415 Management and Professionalism.** Exploration of principles of organizational behavior and resource management, and analysis of management experiences and leadership behaviors in a health-care setting. Classroom and practicum experience. Prerequisite: departmental consent. Credit 3 hours.
- 416 Current Issues in Professional Nursing (online).** Issues affecting the delivery of quality health care, present and future, are explored and the nurse's role and responsibility in effecting change are analyzed. Prerequisite: departmental consent. Credit 2 hours.
- 417 Nursing Care Seminar.** Students engage in high-order thought about the care of individuals and groups through review and exploration of concepts, principles, and facts. Prerequisite: departmental consent. Credit 2 hours.
- 418 Scholarly Inquiry 2. Exploration** of the impact of inquiry on nursing practice and the role of inquiry processes

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and practice in theory development. Experience developing and writing a beginning level research proposal and exploration of the use of research results. Prerequisite: 324. Credit 3 hours.

420 Senior Caring Practicum. Opportunity to implement the nursing process and engage in the practice of professional nursing in an acute care environment. Assists in the transition from the student role to graduate nurse. Practicum experience only. Prerequisite: departmental consent. Course graded S/U. Credit 2 hours.

421 Political Advocacy and Policy 1. Introduction to health care policy and political implications related to health care costs, quality, and access. Prerequisite: departmental consent. Credit 1 hour.

422 Political Advocacy and Policy 2. Active political involvement in relation to an aspect of a specific health care policy. Analysis of the impact of political activities on health outcomes. Prerequisite: departmental consent. Credit 1 hour.

Philosophy (B.Phil)

The bachelor of philosophy degree may be pursued by students who design their own program which satisfactorily demonstrates specific goals. This program is developed in consultation with the student's advisor and the academic dean and must be approved by the academic affairs committee. Students must have a grade point average of 3.0 or higher, must receive approval from the academic affairs committee prior to the first semester of the academic year in which the student intends to graduate, must earn 31 or more credits after the proposal is approved, and must have the approval of the academic affairs com-

mittee based on an explanation of what courses are included and why a bachelor of philosophy degree is needed.

Philosophy and Religious Studies

The major in philosophy and religious studies provides students with preparation for graduate study, for professional study, or for a wide range of occupations. Majors may emphasize either philosophy or religious studies after the core requirements are met. Students concerned with values and with major meanings and directions in life are welcome to consider courses in Philosophy and Religious Studies as important electives or as an attractive second major.

B.A., Major in Philosophy and Religious Studies

Major requirements:

In Philosophy:

- 219 History of Philosophy 1
- 220 History of Philosophy 2
- 227 Logic

In Religion:

- 130 Introduction to the Church
- 215 Understanding the Old Testament
- 216 Understanding the New Testament
- 220 Introduction to Christian Theology

Twelve credits of foreign language studies
All requirements of one emphasis area (below)

Emphasis in Philosophy

Twelve hours selected from these Philosophy courses:

- 331 Political Philosophy
- 355 Topics (repeatable)
- 455 Topics (repeatable)

454 Senior Project

Emphasis in Religious Studies

Twelve hours selected from these courses:

In Religion:

- 130 Introduction to the Church
- 355 Topics (repeatable)
- 455 Topics (repeatable)
- 454 Senior Project

In Philosophy:

- 320 Philosophy of Religion

Minor in Philosophy and Religious Studies

Requirements:

This is an 18-hour program consisting of any three of the courses listed for the major plus elective courses in philosophy or religion to be selected in consultation with the department.

Minor in Christian Education

Requirements:

In Integrative Studies:

- 245 Judeo-Christian Tradition

In Religion:

- 220 Introduction to Christian Theology
- 315 Issues and Applications in Christian Education
- 359 Practicum in Christian Education (at least 2 hours)

In Psychology:

- 112 General Psychology
- 218 Developmental Psychology

Minor in Youth Ministries

Requirements:

In Integrative Studies:

- 245 Judeo-Christian Tradition

In Religion:

- 220 Introduction to Christian Theology
- 305 Applications in Youth Ministry
- 359 Practicum in Youth Ministry (at least 2 hours)

In Psychology:

- 112 General Psychology
- 218 Developmental Psychology

Minor in Music in Worship

Requirements:

In Integrative Studies:

- 245 Judeo-Christian Tradition

In Religion:

- 220 Introduction to Christian Theology
- 307 Worship Planning
- 359 Practicum in Music Worship

In Music:

- 115 Beginning Guitar
- 215 Beginning Conducting
- 226 Class Piano

Two hours of private music lessons

Two credits in ensemble participation

Philosophy Courses

Department Code: PHIL

- 219 History of Philosophy 1.** A survey of basic concepts and arguments of the major western philosophical systems, from the Pre-Socratics, Plato, and Aristotle, through the Schoolmen of the late Middle Ages. Attention will be given to the historical and cultural contexts. Credit 3 hours.
- 220 History of Philosophy 2.** A survey of basic concepts and arguments of the major western philosophical systems from the early modern period to the present, including the Renaissance, Cartesian rationalism, empiricism, the Enlightenment, romanticism, existentialism, and pragmatism. Attention will be given to the historical context of each system of thought. Credit 3 hours.
- 227 Logic.** Methods of language analysis and deductive inference. Credit 3 hours.
- 320 Philosophy of Religion.** An inquiry into the general subject of religion from the philosophical point of view. Among the specific questions considered are: the nature, function and value of religion; the validity of the claims of religious knowledge; the nature of evil; and the existence and character of deity. Credit 3 hours.
- 331 Political Philosophy.** This course deals with the essence, origin, and value

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of the state. The justification of governmental authority, the social sources of power, and the competing conceptions of human nature are among the issues considered. Students will be exposed to several classical sources, including Machiavelli, Locke, Hobbes, and Rousseau. Cross-listed with Political Science. Credit 3 hours.

- 337 Business Ethics.** An approach to the ethical challenges of a modern business society. The course will utilize case studies and the expertise of professionals working in the various area of business as well as the moral reasoning of ethicists. Course procedures include oral and written communications, group interaction in class, group project, and a major presentation. Cross-listed with Business. Credit 3 hours.

Religion Courses

Department Code: REL

- 130 Introduction to the Church.** An introduction to the history of Christianity from the New Testament period to the present. A balance is struck between doctrinal and institutional aspects of the church. Attention will be given to broader contexts so that students get a sense of Christianity's relationship to culture, particularly in the West. Credit 3 hours.
- 140 DISCIPLE Bible Study.** This course introduces students to the major divisions, literary types and narrative flow of the Bible. It combines content with practices in Christian discipleship (e.g. private prayer and study, corporate worship, and service). Students must secure professor's prior approval to enroll in the course and must enroll for both fall and spring semesters. Credit 1.5 hours per semester.
- 216 Understanding the New Testament.** The origin and development of the Christian religion as expressed in the New Testament. We will seek to understand the Christian scriptures in their original context and thus their significance for today. Prerequisite: LAS 245. Credit 3 hours.
- 220 Introduction to Christian Theology.** An investigation of the unity and diversity of religions in light of the relevance of religion in general and Christianity in particular to human needs and problems. Prerequisite: 130. Credit 3 hours.
- 221 Hebrew 1.** This course comprises the first half of a two semester study regimen and has been designed to provide an introduction to Biblical Hebrew. The range of topics will extend from learning the alphabet to beginning to master the first few paradigms of the verbal system. Credit 3 hours.
- 222 Greek 1** This course comprises the first half of a two semester study regimen designed to provide an introduction to Biblical (Koine) Greek. Tasks will include learning the alphabet, several grammatical paradigms and vocabulary. Credit 3 hours.
- 223 Latin 1** This course comprises the first half of a two semester study regimen and has been designed to provide an introduction to Classical Latin. The range of topics will extend from learning introductory grammar to reading and translating paragraphs. Credit 3 hours.
- 305 Applications in Youth Ministry.** Comprehensive youth ministry foundational to local church work. Emphasis on equipping students to practice youth ministry in the local church by exploring a variety of theories, techniques, and resources. Credit 3 hours.
- 307 Worship Planning.** An investigation of the many facets of worship, with a special emphasis on the role of integration in the worship planning process. Credit 3 hours.

- 315 Issues and Applications in Christian Education.** A preparatory course for those seeking a career or desiring to volunteer in the area of Christian education. Emphasis will be placed on church educational outreach programs, children's programs, after-school programs, and Vacation Bible School. Educational, developmental learning theories will be examined to determine how learning best occurs and applications for curriculum and program issues will be explored through field-based practicum experiences. Topics to be covered include: history/philosophy of public school education and Sunday school education; recruiting, motivating, and managing personnel; developmentally appropriate practices; discipline; and curriculum trends. Credit 3 hours.
- 321 Hebrew 2.** A continuation of Hebrew 1, focus will center on vocabulary development, grammar and reading pointed (Masoretic) Biblical Hebrew. Prerequisite: Hebrew 1 or permission from the instructor. Credit 3 hours.
- 322 Greek 2.** A continuation of Greek 1, focus will fall on building vocabulary, grammar, and the translation of New Testament texts. Prerequisite: Greek 1 or permission from the instructor. Credit 3 hours.
- 323 Latin 2.** A continuation of Latin 1, this course has been designed to provide opportunities for additional vocabulary building as well as further work with grammar and translation. Prerequisite: Latin 1 or permission from the instructor. Credit 3 hours.
- 335 History of American Christianity.** A survey of American Christianity set in the larger context of world history. It invites students to explore the role Christianity has played in North America in shaping (as well as being shaped by) cultural characteristics of the United States. Cross-listed with History. Credit 3 hours.
- 337 History of Methodism.** An introduction to the general characteristics of

Methodism, focusing on the United Methodist Church in the United States. Beginning with John Wesley, it moves to the history of American Methodism, considers doctrinal controversies and changes, surveys denominational structures and touches upon contemporary issues. The course provides an overall introduction to the history, doctrine, and polity courses required for seminary students planning to enter United Methodist ministry, but is accessible to all students interested in gaining familiarity with this denomination. Cross-listed with History. Credit 3 hours.

- 340 Hermeneutics.** An introduction to the basic principles involved in interpreting and understanding texts. The course will look at such questions as the relationship between author, the text, the reader(s), and the community in which these materials come together. Prerequisites: PHIL 219 and 220. Credit 3 hours.

Physical Education and Sport Studies

The Physical Education and Sport Studies department is a learning community dedicated to:

- Emphasizing a broadly-based, value centered liberal arts curriculum as the core of intellectual life, professional development and personal growth.
- Challenging each person to become a physically, mentally, socially, and emotionally fit individual through physical and intellectual learning and activity.
- Encouraging lifetime fitness and health in pursuit of a productive life through the development of healthful skills and attitudes.

The PESS department's objectives are to:

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1. Provide quality undergraduate preparation for students planning professional careers in physical education, coaching, and recreation, and for those planning to pursue graduate study.

2. Provide instruction and opportunities for activity for all Southwestern students through elective activity courses.

3. Provide recreational opportunities and facilities for the entire Southwestern community.

B.S., Major in Health and Physical Education

Important note: While this major addresses both health and physical education, it leads to Kansas secondary teacher certification only in physical education.

Major requirements:

Swimming proficiency

In PESS:

- 114 Activity Fundamentals 1
- 118 Activity Fundamentals 2
- 126 First Aid and Safety
- 213 Principles of Physical Education
- 215 Applied Motor Learning
- 225 Fitness Assessment
- 230 Introduction to Athletic Training
- 314 Measurement and Evaluation in Physical Education
- 320 Critical Issues in Health
- 323 Exercise Physiology
- 325 Teaching Physical Education in the Elementary School
- 326 Adapted Physical Education
- 332 Kinesiology
- 335 Psychology of Sport
- 435 Organization and Administration of Physical Education
- 438 Teaching Health and Physical Education in the Secondary School

Cognate requirements:

In Biology:

- 221 Human Anatomy and Physiology

All requirements for teacher certification as listed in the Education section of this

catalog.

B.S., Major in Sport Management

Major requirements:

In PESS:

- 213 Principles of Physical Education
- 220 Introduction to Sport Management
- 335 Sport Psychology
- 344 Sport Marketing
- 421 Sport Management Capstone

In Accounting:

- 281 Financial Accounting
- 283 Managerial Accounting

In Business:

- 210 Business Communications
- 322 Management
- 328 Organizational Behavior
- 393 Legal/Ethical Environment of Business
- 437 Business and Professional Ethics

In Communication:

- 294 Public Relations

In Computer Science and Digital Arts:

One course selected from the following:

- 107 Personal Computers
- 210 Introduction to Computer Systems

In Economics:

- 101 Principals of Microeconomics
- 102 Principals of Macroeconomics

In Physical Education and Sport Studies:

- 220 Introduction to Sport Management
- 460 Sport Management Internship

B.S., Major in Athletic Training

A certified athletic trainer (ATC) is a highly educated and trained professional who specializes in the prevention, recognition, management, and rehabilitation of athletic injuries. An ATC works closely with physicians and other health care professionals in the total health care of the athlete. Certified athletic trainers are employed in secondary schools, col-

leges and universities, professional sports, sports medicine clinics, industrial settings and several other health care environments.

Southwestern College offers an undergraduate athletic training curriculum that prepares students to take the National Athletic Trainers' Association Board of Certification (NATABOC) exam. Southwestern College is in a candidacy program working toward accreditation by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). While this is a step toward accreditation, it does not guarantee accreditation.

The curriculum is structured as a three-year program with an additional application year for freshmen. Students will be involved in the clinical setting during their sophomore, junior, and senior years while completing academic course requirements. This allows students to learn the skills and techniques necessary in the care, prevention, recognition, and rehabilitation of athletic injuries as well as the organization and administration of an athletic training facility and program.

Student clinical assignments will be in traditional, clinical, and high school settings, observing under an assigned clinical instructor. Students will gain experience with collision, contact, and non-contact sports as well as through a wide variety of clinical settings. Students will observe team physicians as they evaluate and perform surgical procedures on injured athletes.

The athletic training education program is an excellent combination for those students interested in post-graduate studies in other allied health professions, such as physical therapy, physician assistant, and medical school.

For the most updated information refer to the athletic training web site at www.sckans.edu/athletictraining or contact the director of athletic training education.

Criteria for Admission to the Athletic Training Education Program

Prospective students must meet all the criteria below at the time of application to be considered. Completion of the application criteria does not guarantee admission to the program. Admission is competitive and is based on a point system assessed to each student's application. Students can obtain the necessary application forms from the director of athletic training education.

1. Completed application with at least one faculty letter of recommendation.
2. Cumulative gpa of 2.5 on a 4.0 scale with a grade of C or better in PESS 230 Introduction to Athletic Training, and BIOL 111 Biology 1: The Unity of Life.
3. Enrollment in PESS 126 First Aid and Safety (or current First Aid and CPR certification).
4. Successful score on written and practical athletic training entrance examination.
5. Completion of at least 100 clinical observation hours (documented) under the direct supervision of a certified athletic trainer by the end of the applicant year.
6. Submission of proof of the Athletic Training Education Program physical examination as well as Hepatitis B vaccination (or sign waiver) and TB skin test.
7. Submission of signed Technical Standards form.

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8. Successful interview with the curriculum staff and an athletic training student representative.

9. Maintenance of NATA membership and professional liability insurance throughout Level 1, 2, and 3 of the ATEP.

Transfer Students

1. Must meet above mentioned criteria.

2. Must have completed or be in the process of completing the equivalent of PESS 230, BIOL 111, and PESS 126 and submit course descriptions of each of these courses along with a copy of transcript to the director of athletic training education for review.

Admitted students must immediately declare as an athletic training major. Students who are not admitted may elect to apply again the following year or may declare another major. Admission to the program is very competitive and the number admitted is based on graduation and attrition rates.

Major requirements:

In PESS:

- 126 First Aid and Safety
- 230 Introduction to Athletic Training
- 232 Practical Applications in Athletic Training
- 234 Athletic Training Clinical Experience 1
- 235 Athletic Training Clinical Experience 2
- 236 Care and Prevention of Athletic Injuries
- 320 Critical Issues in Health
- 323 Exercise Physiology
- 332 Kinesiology
- 337 Athletic Training Clinical Experience 3
- 338 Athletic Injury Assessment 1
- 339 Athletic Injury/Illness Assessment 2
- 340 Athletic Training Clinical Experience 4

- 347 Therapeutic Exercise
- 440 Therapeutic Modalities
- 442 Pharmacology in Athletic Training
- 443 Organization and Administration of Athletic Training
- 444 Athletic Training Clinical Experience 5
- 445 Athletic Training Clinical Experience 6
- 459 Practicum in Athletic Training
- 462 Seminar in Athletic Training

In Biology:

- 111 Biology 1: The Unity of Life
- 221 Human Anatomy and Physiology
- 331 Principles of Nutrition

In Psychology:

- 112 General Psychology
- 218 Developmental Psychology

PE Courses

Department Code: PESS

- 102 Fundamentals of Bowling.** Credit .5 hour
 - 104 Fundamentals of Gymnastics.** Credit .5 hour
 - 105 Fundamentals of Golf.** Credit .5 hour
 - 106 Fundamentals of Archery.** Credit .5 hour
 - 107 Fundamentals of Badminton.** Credit .5 hour
 - 108 Fundamentals of Tennis.** Credit .5 hour
 - 109 Fundamentals of Volleyball.** Credit .5 hour
 - 110 Fundamentals of Soccer.** Credit .5 hour
 - 111 Fundamentals of Basketball.** Credit .5 hour
- All fundamentals courses will cover skills, techniques, strategy, and rules pertaining to the specific sport.
- 114 Activity Fundamentals 1.** Tennis, archery, volleyball, and badminton fundamentals. Credit 1.5 hours.
 - 118 Activity Fundamentals 2.** Tumbling/gymnastics, bowling, soccer, and golf fundamentals. Credit 1.5 hours.

- 119 Beginning Swimming.** A course for nonswimmers, aiming to equip individuals with basic water skills and knowledge in order to make them reasonably safe while in, on, or about the water. Credit 1 hour.
- 126 First Aid and Safety.** Cause, prevention, and first aid care of common emergencies as outlined by American Red Cross. Treatment of athletic injuries. Common precautions in safety in the home, school, highways, and recreational areas. Credit 2 hours.
- 201 Intermediate Swimming.** Emphasis on basic strokes, personal safety skills, basic rescue techniques, artificial respiration, and safety information. Credit 1 hour.
- 202 Lifesaving.** Lifesaving and artificial respiration, cardiopulmonary resuscitation, and first aid techniques. Preparation for Red Cross certification test in Life Saving and Water Safety. Prerequisite: 126. Credit 1 hour.
- 210 Advanced Swimming.** An evaluation of each student's basic swimming techniques through the profession of advanced swimming strokes, water safety, and conditioning. Credit 1 hour.
- 213 Principles of Physical Education.** Basic concepts and theories of physical education. Credit 3 hours.
- 215 Applied Motor Learning.** A study of theories and practices dealing with learning as related to motor skill acquisition. Emphasis will be psychomotor and perceptual motor learning. Credit 3 hours.
- 220 Introduction to Sport Management.** This course is designed to provide an overview of the structure of the sports industry and to highlight the scope and variety of career opportunities in the area. The value of professional management to sports organization will also be emphasized. Attention will be given to the issues facing sport organizations and to the use of management techniques to solve business-related problems. The development of effective communication skills, both written and oral, will be emphasized through class presentations and written assignments. Cross-listed with BUS 220. Credit 3 hours.
- 225 Fitness Assessment.** This course will give the student the experience of administering assessment tests, evaluating results of these tests, and from these tests prescribing health fitness programs. Credit 1 hour.
- 230 Introduction to Athletic Training.** An introduction to the history and structure of the athletic training profession as well as the responsibilities and functions of a certified athletic trainer. Credit 2 hours.
- 232 Practical Applications in Athletic Training.** Application of common wrapping, taping, bracing, and bandaging techniques in athletic training. Lecture and lab. Credit 2 hours.
- 234-235-337-340-444-445 Athletic Training Clinical Experience.** These courses provide competency based supervised practical experience in athletic training required for certification by the NATABOC. Courses graded S/U. Credit 1 hour.
- 236 Care and Prevention of Athletic Injuries.** The study of the care and prevention of common athletic injuries and illnesses. Lecture and lab. Credit 3 hours.
- 238 Ethical Issues in Sport.** An in-depth analysis of the ethical challenges of sport and its relation to society as a whole. Credit 3 hours.
- 240 Mini-Topics in Sport (Law, Finance, and Facilities).** The course will be divided into three sections and will include the exploration of law concepts as they apply to the context of sport, a look at the financial operations and economic conditions relative to intercollegiate athletics with exposure to professional and interscholastic athletics, and the concepts of facility design and layout. Cross-listed with Business. Credit 3 hours.

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- 302 Water Safety Instruction.** Advanced aquatic course training and preparing students to teach swimming, lifesaving, and other water safety courses. Preparation for Red Cross certification test. Prerequisite: current Senior Red Cross Lifesaving certificate. Credit 1 hour.
- 314 Measurement and Evaluation in Physical Education.** A study of capacity, achievements, knowledge, and skill tests and their application to classification and measurement of progress. Credit 3 hours.
- 320 Critical Issues in Health.** Analysis of critical health issues in our society and of special health problems related to the quality of health, the extension of life expectancy, substance abuse, nutrition, consumer health, birth control, and psychoactive drugs. Credit 3 hours.
- 323 Exercise Physiology.** An introduction to the physiology of the skeletal, muscular, respiratory, nervous, and circulatory systems, with special reference to their adjustments during exercise. A study is made of age, sex, environment, and training in relation to exercise. Credit 4 hours.
- 325 Teaching Physical Education in the Elementary School.** Designed for physical educators to enhance their understanding of contemporary elementary physical education. This course is directed to provide them with stimulus material for the implementation of movement activities and approaches to enhance the total development of the elementary school-aged child. Credit 3 hours.
- 326 Adapted Physical Education.** The need for an adapted program for the physically handicapped or atypical student; its organization and administration; types of conditions to be found and their symptoms and characteristics; developing a program to meet the needs of the students; resources and references. Credit 3 hours.
- 332 Kinesiology.** The mechanical and anatomical analysis of selected activities and their effect on the body; and the physiological adaptation of the body to meet the resultant demands. Prerequisite: BIOL 221. Credit 3 hours.
- 335 Sport Psychology.** A study of the psychology of motivation, attitudes, values, social mobility, and status as it relates to athletics. Cross-listed with PSYC 335. Credit 3 hours.
- 338 Athletic Injury Assessment 1.** Injury assessment of the head and face as well as the upper and lower extremities. Lecture and lab. Credit 3 hours.
- 339 Athletic Injury/Illness Assessment 2.** Injury assessment of the spine, thorax and skin as well as the assessment of pathology of illnesses and diseases in various body systems. Lecture and lab. Credit 3 hours.
- 341 Game Rules and Officiating.** Study of rules and officiating mechanics for football and basketball. Less detailed study will be given to baseball, track and field, soccer, volleyball, and individual sports. Credit 3 hours.
- 344 Sport Marketing.** Course is designed to develop an understanding and appreciation of the unique aspects of marketing as related to sport. Cross-listed with Business. Credit 3 hours.
- 345 Management Processes in Sport.** Course is designed to establish a knowledge and understanding of basic management concepts including planning, organizing, leadership, and evaluation. Cross-listed with Business. Credit 3 hours.
- 347 Therapeutic Exercise.** Development and implementation of specific rehabilitation protocols for various athletic injuries. Lecture and lab. Credit 3 hours.
- 415 Theory of Coaching Football.** Study of fundamentals, individual and team offense and defense, formations, plays and field generalship. Credit 2 hours.
- 416 Theory of Coaching Volleyball.** An analysis of the coaching techniques and strategies of volleyball. Credit 2 hours.

- 417 Theory of Coaching Basketball.** Study of the different systems of basketball, individual and team offense and defense. Credit 2 hours.
- 418 Theory of Coaching Track.** Form, training, and selection of students for each track and field event. Also includes procedures and organization of track meets. Credit 2 hours.
- 419 Theory of Coaching Baseball/Softball.** An analysis of defensive baseball including strategic fielding and pitching. A study of hitting techniques and base running including the coaching techniques of each. Credit 2 hours.
- 421 Sport Management Capstone.** This course is designed as the culminating experience in the Sport Management program and may include individual research or an approved internship. Credit 3 hours.
- 435 Organization and Administration of Physical Education.** Analysis of the underlying principles of physical education and their application to the organization of a physical education program. The principles of teaching physical education with lesson plan formulation plus actual experience in an activity class. Credit 3 hours.
- 438 Teaching Health and Physical Education in the Secondary School.** This course covers curriculum design, class organization and management, teaching techniques, and current issues and trends in health and physical education. Satisfies teacher certification requirement for Education 438. Credit 3 hours.
- 440 Therapeutic Modalities.** Scientific principles and applications of various therapeutic modalities in the treatment of athletic injuries. Lecture and lab. Credit 3 hours.
- 442 Pharmacology in Athletic Training.** Introduction to common prescription and non-prescription medications used in treating various athletic injuries and conditions. Lecture and lab. Credit 2 hours.
- 443 Organization and Administration of Athletic Training.** Organization and administrative procedures of an athletic training facility and program. Lecture and lab. Credit 3 hours.
- 459 Practicum in Athletic Training.** Off-campus practicum at an affiliated clinical experience site. Course graded S/U. Credit 1 hour.
- 462 Seminar in Athletic Training.** Emphasis placed on preparation for taking the NATABOC examination and professional development. Capstone course for the athletic training major. Credit 2 hours.

Physics

Physics, the fundamental natural science, provides explanations for a large number of physical phenomena through the use of a small number of general concepts, principles, and theories. The study of physics contributes to an understanding of the physical world and develops the ability to reason analytically. The physics department at Southwestern College provides undergraduate instruction in a broad range of physics courses designed to fulfill the needs and interests of a variety of students. Students who take advantage of all of the physics course offerings are introduced to the core subfields of physics. Physics program graduates have the knowledge and skills needed to pursue careers in physics, engineering, physics education, and related fields.

Physics courses at Southwestern are set in a liberal arts context. As a result, the historical, philosophical, and cultural implications of physics are considered in the program, and physics majors are required to express the concepts of physics in writing and in oral presentations.

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Dual Degree Program

Southwestern College offers a dual-degree program in engineering in cooperation with Washington University in St. Louis, one of the nation's leading engineering schools. Students who complete the dual-degree program receive an undergraduate degree in engineering physics from Southwestern College and an undergraduate degree in engineering from Washington University. Participants attend Southwestern College for three years and then transfer to Washington University for an additional two years of concentrated engineering study at the School of Engineering and Applied Science. At Washington University, students may pursue a degree in biomedical engineering, chemical engineering, civil engineering, computer engineering, computer science, electrical engineering, mechanical engineering, or system science and engineering. Dual-degree graduates, who combine technical excellence with strong communication skills and a broad background in the humanities and social sciences, have proven to be highly successful in obtaining positions in industry, government, and graduate schools.

Students interested in the dual-degree program should contact the physics department for additional information.

B.A., Major in Physics

Major requirements:

- 211 General Physics 1
- 212 General Physics 2
- 213 General Physics 3
- 310 Mathematical Physics
- 320 Modern Physics

Two of the following laboratory courses:

- 380 Optics
- 440 Mechanics
- 470 Electricity and Magnetism

One of the following:

- 410 Thermal and Statistical Physics
- 480 Quantum Mechanics

Cognate requirements:

In Mathematics:

- 222 Calculus 1
- 223 Calculus 2
- 224 Calculus 3
- 321 Ordinary Differential Equations

B.A., Major in Engineering Physics

Major requirements:

- 211 General Physics 1
- 212 General Physics 2
- 213 General Physics 3
- 310 Mathematical Physics
- 320 Modern Physics

One of the following laboratory courses:

- 380 Optics
- 470 Electricity and Magnetism

Cognate requirements:

In Mathematics:

- 222 Calculus 1
- 223 Calculus 2
- 224 Calculus 3
- 321 Ordinary Differential Equations

In Chemistry:

- 111 General Chemistry 1
- 112 General Chemistry 2

In Computer Science and Digital Arts:

- 212 Programming 1

In Engineering:

- Completion of a two-year engineering program at Washington University

Minor in Physics

Requirements:

In Physics:

- 211 General Physics 1
- 212 General Physics 2
- 213 General Physics 3
- 320 Modern Physics

In Mathematics:

- 222 Calculus 1
- 223 Calculus 2
- 224 Calculus 3
- 321 Ordinary Differential Equations

Secondary Certification in Physics

Requirements:

In addition to the requirements for the physics major, the student must satisfy all the requirements for Kansas teacher certification as listed in the Education section of this catalog and complete the following courses:

In Integrative Studies:

280 History of Science

In Chemistry:

111 General Chemistry 1

112 General Chemistry 2

Physics Courses

Department Code: PHYS

- 201 College Physics 1.** Algebra-based treatment of the laws of motion, energy, momentum, rotational motion, gravitation, mechanical waves, wave interference, and sound. Prerequisite: MATH 112 or satisfactory completion of a trigonometry competency test. Lecture and laboratory. Credit 4 hours.
- 202 College Physics 2.** Algebra-based treatment of electricity, direct current circuits, magnetism, geometric optics, and interference. Prerequisite: 201. Lecture and laboratory. Credit 4 hours.
- 211 General Physics 1.** Calculus-based treatment of the laws of motion, energy, momentum, rotational motion, gravitation, mechanical waves, wave interference, and sound. Prerequisite: MATH 222. Lecture and laboratory. Credit 5 hours.
- 212 General Physics 2.** Calculus-based treatment of electricity, Gauss's Law, direct current circuits, magnetism, geometric optics and interference. Prerequisite: 211. Lecture and laboratory. Credit 5 hours.
- 213 General Physics 3.** Calculus-based treatment of statics, periodic motion, fluid mechanics, temperature and heat, thermal properties of matter, inductance, and alternating current. Prerequisite: 212. Credit 3 hours.
- 310 Mathematical Physics.** Complex numbers, determinants, matrices, eigenvectors and eigenvalues, vector calculus, Lagrange multipliers, Fourier series, Fourier and Laplace transforms, and probability. Prerequisites: 212, MATH 224, MATH 321. Credit 3 hours.
- 320 Modern Physics.** Foundations of modern physics including the special theory of relativity, quantum physics, wave mechanics, and the hydrogen atom. Prerequisites: 212, MATH 224, MATH 321. Lecture and laboratory. Credit 5 hours.
- 380 Optics.** Geometric and physical optics-lenses, mirrors, lens aberrations, optical instruments, interference, and diffraction. Prerequisites: 310, 320. Lecture and laboratory. Credit 4 hours.
- 410 Thermal and Statistical Physics.** Classical thermodynamics, kinetic theory, and classical and quantum statistical mechanics. Prerequisites: 310, 320. Credit 3 hours.
- 440 Mechanics.** Newton's Laws, rectilinear motion, oscillations, general motion in three dimensions, noninertial reference systems, central force motion, and the dynamics of a system of particles. Prerequisite: 310 (or concurrent enrollment). Lecture and laboratory. Credit 4 hours.
- 470 Electricity and Magnetism.** Electrostatics, electrostatic fields in matter, magnetostatics, magnetostatic fields in matter, and electrodynamics. Prerequisites: 310, 320. Lecture and laboratory. Credit 4 hours.
- 480 Quantum Mechanics.** The Schrodinger equation, wave packet motion, operator methods, bracket notation, the harmonic oscillator, angular momentum, and spin. Prerequisites: 310, 320. Credit 3 hours.

Political Science

Minor in Political Science

Requirements:

At least 18 credits in Political Science, to include:

213 The National Government

Political Science Courses

Department Code: POLS

105 Introduction to Public Policy. The political context at the national, state, and local levels in which policy decisions are made. Focus on the relationship between executive, legislative, and judicial branches of government and the integration of these three, including the work involved in developing a legislative proposal. Credit 3 hours.

213 The National Government. A consideration of the national government in terms of the central ideological basis, the federal structure, and political processes. Credit 3 hours.

222 International Relations. International politics, its elements and general nature with emphasis on the struggle for power among nations. Credit 3 hours.

325 Research Methods. An introduction to the theory and methodology of social science research with emphasis on experimental design, data collection, statistical analysis, and report writing. Each student will actively participate in all four phases of the research process. Lecture and laboratory. Prerequisite: PSYC 112 and MATH 215. Cross-listed with Anthropology and Psychology. Credit 4 hours.

331 Political Philosophy. This course deals with the essence, origin, and value of the state. The justification of governmental authority, the social sources of power, and the competing conceptions of human nature are among the issues considered. Students will be exposed to several classical sources, including

Machiavelli, Locke, Hobbes, and Rousseau. Cross-listed with Philosophy. Credit 3 hours.

336 Comparative Politics: Asian Systems. Politics and government in selected Asian states, including China, Japan, Korea, and India. Examination of the major political forces, traditions, institutions, and ideological bases of important Asian societies. Prerequisite: 213. Credit 3 hours.

338 Contemporary International Problems. Examination of current sources of conflict in international affairs. Intensive analysis of such areas as the Cold War, resource control and use, nuclear arms and proliferation, specific crisis areas, and others. Credit 3 hours.

Psychology

The major in psychology prepares students to evaluate psychological theories and research and to examine ethical issues as well as the biological, social, and cognitive factors that affect the human condition. Majors have the opportunity to learn counseling techniques, develop problem-solving skills, achieve self-awareness, and design research through coursework and individual practica and projects. Students in psychology will learn about career opportunities in psychology and clarify vocational goals as they prepare for graduate study in psychology or other people-oriented careers.

Students who major in psychology must earn a grade of C or better in each course required for the program.

B.A., Major in Psychology

Major requirements:

In Psychology:

112 General Psychology

218 Developmental Psychology

- 219 Social Psychology
- 242 Personality
- 319 History and Systems of Psychology
- 320 Abnormal Psychology
- 325 Research Methods
- 330 Biological Foundations of Psychology
- 333 Cognition

Two courses selected from the following:

- 301 Human Sexuality
- 321 Introduction to Clinical, Counseling, and Community Psychology
- 322 Educational Psychology
- 328 Organizational Behavior
- 416 Psychological Assessment
- 421 Emotion
- 422 Learning
- 430 Biological Psychology

Six hours selected from the following:

- 454 Research Project
- 455 Topics course(s)
- 459 Practicum
- 460 Internship

Cognate requirements:

In Mathematics:

- 215 Introduction to Statistics

Minor in Psychology

Requirements:

In Psychology:

- 112 General Psychology

One 200-level course

Two 300-level courses (not including 322)

Two 400-level (not including 459 or 460)

Psychology Courses

Department Code: PSYC

112 General Psychology. An introduction to the scientific study of behavior and mental processes. Special attention is placed on the scientific method in the exploration of consciousness, learning, motivation, emotion, development, personality, mental disorders, biological factors, social-psychological phenomena, and cognitive processes. Credit 4 hours.

218 Developmental Psychology. The development of behavior from infancy through adulthood. Emphasis is placed on learning and environmental factors in the socialization of children and adolescents. Prerequisite: 112. Cross-listed with Education. Credit 3 hours.

219 Social Psychology. Social factors in behavior of individuals and groups, including attitudes, leadership, and personality and culture. Prerequisite: 112. Credit 3 hours.

242 Personality. Contemporary approaches to the psychological study of personality. Prerequisite: 112. Credit 3 hours.

301 Human Sexuality. Course covers the biological aspects of human sexuality, love, aberrant sexual behavior, abortion, contraception, parenthood, sexual orientation, and numerous other sexually related subjects. Credit 3 hours.

319 History and Systems of Psychology. A study of historic schools of thought and contemporary trends and systems. Prerequisites: two Psychology courses and sophomore standing. Credit 3 hours.

320 Abnormal Psychology. An introduction to personality disorders. Emphasis on theories of pathology and treatment. Prerequisite: 112. Credit 3 hours.

321 Introduction to Clinical, Counseling, and Community Psychology. A study of major theoretical formulations and practical applications in the history of clinical, counseling, and community psychology, from classical psychoanalysis to contemporary modes of treatment. Emphasis is placed on what clinical and counseling psychologists do, including methods of appraisal, professional roles, and psychotherapeutic approaches to treatment. Prerequisites: two Psychology courses and junior standing. Credit 3 hours.

322 Educational Psychology. A study of the problems of teaching and learning and what psychology has to say about how students learn. Emphasis upon de-

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velopment, motivation, individual differences, attitudes, measurement, leadership, and creativity. Twenty hours of observation/participation in a public school classroom required. Required of teacher candidates. Prerequisite: 112. Cross-listed with Education. Credit 3 hours.

325 Research Methods. An introduction to the theory and methodology of psychological research with emphasis on experimental design, data collection, statistical analysis, and report writing. Each student will actively participate in all four phases of the research process. Lecture and laboratory. Prerequisite: 112 and MATH 215. Cross-listed with Anthropology and Political Science. Credit 4 hours.

328 Organizational Behavior. Individual and work group behavior in organizations. Exercises in the dynamics of power, developing leadership, facilitating quality and change, and interpersonal communication skills will be emphasized. Course procedures include oral and written communications, group interaction in class, and a major presentation. Cross-listed with Business. Credit 3 hours.

330 Biological Foundations of Psychology. A study of the anatomy, physiology, and function of the nervous and endocrine systems and their relationship to psychological issues. Prerequisite: 112. Credit 3 hours.

333 Cognition. The psychological study of attention, pattern recognition, memory, language, reasoning, problem solving, and creativity. Prerequisite: 112. Credit 3 hours.

335 Sport Psychology. A study of the psychology of motivation, attitudes, values, social mobility, and status as it relates to athletics. Cross-listed with PESS 335. Credit 3 hours.

416 Psychological Assessment. An examination of classic and current theories and methods of psychological assessment. Topics will include personal-

ity assessment, observation and behavioral techniques, interviewing, self-report inventories and questionnaires, projective techniques, and maximum performance assessment. Prerequisite: two Psychology courses and junior standing. Credit 3 hours.

421 Emotion. A survey of the major historical and contemporary theories of human emotion, including biological, developmental, cognitive, and social perspectives. Prerequisites: two Psychology courses and junior standing. Credit 3 hours.

422 Learning. A survey of current learning theories and research in learning. Prerequisites: two Psychology courses and junior standing. Credit 3 hours.

430 Biological Psychology. The application of anatomical and physiological principles to psychological issues such as sensation and perception, movement, learning and memory, drugs, brain damage, and psychological disorders. Prerequisites: 112 and either 330 or BIOL 221. Credit 3 hours.

459 Practicum in Psychology. A practicum can be designed to explore an area of the student's interest such as (but not limited to) assisting on research projects or working with an agency in the community. Prerequisites: junior standing and permission of department head. Credit 1 to 5 hours.

460 Internship in Psychology. Internships are offered in an area of the student's interest such as (but not limited to) working at a mental health center or as a youth attendant for juveniles held by the court system. Prerequisites: junior standing and permission of department chair. Credit 6 to 14 hours.

Social Science

Social Science Courses

Department Code: SOCS

- 206 Exploring Leadership.** Study of proactive thought, personal and group visioning, ethics, and areas of personal leadership self-assessment will be covered. Facilitating group process and giving and receiving constructive criticism will be emphasized during the class time. Prerequisite: LAS 214. Credit 3 hours.
- 225 Rebuilding Community.** After developing the ability to self-assess, assess the needs of the community, and listen to the people in need, the student will learn the skills for effectively working to meet needs in the community (e.g., grant writing; organizing, recruiting, and motivating volunteers; developing a preventative plan; and serving on boards). Designed for students who are planning a career in the service sector. Credit 3 hours.
- 301 Global Culture.** A concentrated study of selected major countries and culture areas outside Western culture. Credit 3 hours.
- 302 Diversity.** Twofold emphasis: 1) increasing students' awareness of their own ethnocultural roots and the influence of these roots on their world views and interactions with others, and 2) increasing students' understanding of and sensitivity to the experience of being an ethnic minority in the U.S. today. Credit 3 hours.
- 307 Applied Leadership.** Readings, experiential learning activities and reflective writing will help students develop leadership knowledge in four areas: facilitation, conflict resolution, creativity, and written persuasion. After an introduction to all four areas, students will choose one area to study in depth. Prerequisite: 206. Credit 3 hours.

- 330 Service-Learning Travel.** Students will prepare for a cross-cultural experience by reading, participate in the experience by travel and service, and then reflect on the experience through writing. Credit 1 to 3 hours.
- 408 Advanced Leadership.** Students will envision, design, implement, and evaluate a project as the project leader, in consultation with peers and faculty. All project leaders will meet weekly for consultation. Prerequisite: 307. Credit 3 hours.

Sociology

Sociology Course

Department Code: SOC

- 201 General Sociology.** An intuitive grasp of the sociological perspective and a consistent framework from which to view, understand, and interpret social life. Examination of the major sociological paradigms and concepts; their use in a systematic fashion to analyze American society. Credit 3 hours.

Theatre Arts

Higher education has historically had, at its heart, an appreciation of theatre. It has encouraged theatre as a part of students' lives, taught both its literature and art, and worked to develop students' understanding of the need for theatrical expression of our humanness. Southwestern College's theatre arts department is designed to meet the needs of both students in general liberal arts education and majors within the department. The department gives the opportunity to all students to develop skills, confidence and poise in various performance situations. It aims to develop the students' potential through classroom and extra-

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curricular learning experiences, gives a basic knowledge of the theatre and the work and joy that are part of its creation, and stresses the importance of the arts in our lives as they help us to understand ourselves, others and the world we share.

For majors in theatre arts, the department provides an academic program and co- and extra-curricular activities. These prepare students for further studies in graduate or professional schools, and for careers in education or in professional theatre. The major aims to develop individuals prepared to live responsibly with concern for others, and to be creative, self-expressive leaders and citizens.

The theatre arts major provides for emphases in general theatre arts, musical theatre, theatre arts education, theatre arts performance or in technical theatre.

The theatre arts minor is available for students who wish to major in another academic area, but who also want transcript recognition for serious academic study in theatre. The Theatre Projects course is a requirement for at least one hour each semester that students are declared a major, for a minimum of 4 hours for graduation. Theatre arts majors must counsel with a departmental advisor to declare an area of emphasis by the beginning of the junior year.

B.A., Major in Theatre Arts

Major requirements:

In Theatre:

- 111 Introduction to the Theatre
- 224 Stagecraft
- 226 Acting 1
- 333 Theatre History 2
- 454 Senior Project

At least 4 credits in Theatre Projects

In Psychology:

- 112 General Psychology

All requirements of one emphasis area (below)

Emphasis in Speech and Theatre Education

In Theatre:

- 115-116-215-216-315-316-415-416 Goal and Career Development
- 234 Oral Interpretation of Literature
- 325 Design for the Stage
- 424 Directing 1
- 425 Directing 2
- 438 Teaching and Directing Forensics, Debate, and Theatre in the Secondary School

In Communication:

- 101 Survey of Mass Communications
- 102 Elements of Oral Communication
- 123 Intercollegiate Debate or 208 Critical Thinking and Argumentation
- 125 Forensics
- 203 Interpersonal Communication
- 230 Voice and Diction
- 238 Group Communication

Completion of Communication and Theatre experience checklist

All requirements for Kansas teacher certification as listed in the Education section of this catalog.

Emphasis in Technical Theatre

In Theatre:

- 227 Make-Up for the Stage
- 324 Arts Management
- 325 Design for the Stage
- 327 Costuming
- 332 Theatre History 1

In Art:

- 123 Basic Drawing
- 215 Painting Studio

Emphasis in Theatre Performance

In Theatre:

- 131 Dance : Jazz and Tap

- 132 Dance : Musical
- 223 Creative Dramatics
- 234 Oral Interpretation of Literature
- 332 Theatre History 1
- 424 Directing 1
- 425 Directing 2 or 426 Acting 2

In Communication:

- 230 Voice and Diction

Emphasis in Musical Theatre

In Theatre:

- 131 Dance : Jazz and Tap
- 132 Dance : Musical
- 133 Dance : Ballet
- 234 Oral Interpretation of Literature
- 332 Theatre History 1
- 336 Musical Theatre Performance
- 340 Musical Theatre History
- 170 or 270 or 370 or 470 Summer Theatre Workshop

In Music:

- 111 Foundations in Music

At least 4 semesters of private voice lessons
Demonstration of piano proficiency

In Communication:

- 230 Voice and Diction

Emphasis in General Theatre Studies

In Theatre:

- 234 Oral Interpretation of Literature
- 332 Theatre History 1
- 424 Directing 1

Nine hours of departmental electives

In Communication:

- 230 Voice and Diction

Minor in Theatre Arts

Requirements:

In Theatre:

- 111 Introduction to the Theatre
- 224 Stagecraft
- 226 Acting 1
- 234 Oral Interpretation of Literature
- 332 Theatre History 1 or 333 Theatre History 2
- 454 Senior Project

Four credits in Theatre Projects

Interdisciplinary Majors

Set up between Theatre Arts and other departments, major requirements will be developed from the student's need with faculty advisement.

Secondary Certification in Drama

Requirements:

Meet all requirements for major in Theatre Arts, emphasis in Theatre Arts Education; all requirements for Kansas teacher certification as listed in the Education section of this catalog.

Theatre Courses

Department Code: THTR

111 Introduction to the Theatre. Introduction to basic knowledge of the theatre, its origins, development, and the work and joy involved in the creative experience of theatre. Intended to increase the understanding of and appreciation for theatre by non-majors and majors. Laboratory with current productions. Credit 3 hours.

112-113-212-213-312-313-412-413 Improvisational Acting. Theory and practice of improvisational acting. Theatre gaming used in process and performance toward development of original characters and scenes. Group managed as an ensemble. Credit 1 hour.

115-116-215-216-315-316-415-416 Goal and Career Development. Required every semester for theatre majors. Students and instructor will design a project plan to meet the development level of the individual student. Jury at the end. Prerequisite: 2.0 GPA. Credit 1 to 3 hours

117-118-217-218-317-318-417-418 Interpretation Projects. For individual development of goals and skills in oral interpretation of literature. Prerequisite: 2.0 GPA. Credit 1 to 3 hours.

121-122-221-222-321-322-421-422 Theatre Participation. Recital experi-

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ence in theatrical production. Requires work in a major technical aspect of a current production. A maximum of 8 hours may be counted toward degree. Prerequisite: 2.0 GPA. Graded S/U. Credit 1 or 2 hours.

131 Dance: Jazz and Tap. Teaches basic dance movements and terminology, providing a foundation for musical theatre jazz and tap dance. Builds repertoire, providing students with audition and performance techniques. For experienced dancers, it provides extended challenges and lays the foundation for choreography. Includes recital performance. May be repeated for credit. Credit 1 hour.

132 Dance: Musical. Teaches basic dance movements and terminology, providing a foundation for musical theatre dance. Builds repertoire, providing students with audition and performance techniques. For experienced dancers, it provides extended challenges and lays the foundation for choreography. Includes recital performance. May be repeated for credit. Credit 1 hour.

133 Dance: Ballet. Teaches basic dance movements and terminology, providing a foundation for all movement and dance. Builds repertoire, providing students with audition and performance techniques. For experienced dancers, it provides extended challenges and lays the foundation for choreography. Includes recital performance. May be repeated for credit. Credit 1 hour.

170-270-370-470 Summer Theatre Workshop. Student participation as members of SC's Horsefeathers and Applesauce Summer Dinner Theatre Program. Credit 1 to 6 hours. May be repeated, but only 6 hours may count toward graduation.

223 Creative Dramatics. Designed for theatre performance and elementary education majors. Follows the philosophy that our world/reality is always changing. Improvisation, role playing, and other "theatrical games" for mu-

tual understanding and trust. Credit 3 hours.

224 Stagecraft. Theory and practice of technical phases of play production. Study and application of principles of construction and handling of stage scenery, lighting and sound equipment. Laboratory with current productions. Credit 3 hours.

226 Acting 1. Theory and practice of acting. Study of dramatic literature and acting theory. Practice of character analysis, rehearsal and performance techniques. Credit 3 hours.

227 Make-Up for the Stage. Basic principles and practices of theatre makeup; various assignments to develop skill in theatrical makeup. Laboratory with current productions. Credit 3 hours.

234 Oral Interpretation of Literature. Active study of literature through oral performance for the solo performer. Recreation of the experience inherent in the performed text through an understanding of its emotional and intellectual content. Credit 3 hours.

324 Arts Management. An overview of the responsibilities of a director of an artistic organization. Management of personnel and facilities, programming, promotion, and budgeting will be studied in the classroom and in the field. Also includes visits to local arts organizations for firsthand experience. Credit 3 hours.

325 Design for the Stage. Study of stage design as it relates to scenic elements, lighting and sound. Prerequisite: 224. Credit 3 hours.

327 Costuming. An examination of the history, development, basic principles of design and construction of stage costumes. Laboratory with current productions. Credit 3 hours.

331 Theatre Across the Disciplines 2. This lab-intensive course stresses theatre involvement and methods across the disciplines. Emphasis is placed on communicating with and developing empathy for others in a variety of fields

including the humanities, social sciences, and natural sciences. The course seeks to connect learning and sharing among all disciplines through theatre games, creative dramatics, and dramatic literature, and its performance across campus and in the surrounding community. As theatre entertains and teaches, it helps us build connections to understand ourselves and our world. Prerequisite: LAS 231. Credit 3 hours.

- 332 Theatre History 1.** Examines history of theatre from its origins through Classical, Medieval, Renaissance, Restoration and Romantic theatre. Reading of plays and study of theory, historical background, the physical theatre and its performers and their relationship to the culture and development of theatre. Credit 3 hours.
- 333 Theatre History 2.** Development of theatre and dramatic literature beginning with Realism. Reading of plays and study of theory, historical development, genres, styles, physical theatre, performers, and the cultural diversity of the modern drama and the theatrical experience. Credit 3 hours.
- 336 Musical Theatre Performance.** Develops skills in musical theatre performance, by developing of techniques for integration of acting, singing and dancing. Will work with variety of styles of musical theatre performance. Credit 3 hours.
- 340 Musical Theatre History.** Taught as a seminar reading course, providing history of the musical foundation from its roots to contemporary musical theatre, combined with readings of librettos of major works. Credit 3 hours.
- 424 Directing 1.** Theory and practice of directing. Play choice, analysis, and rehearsal techniques. Prerequisites: 224, 226, COMM 230, or consent of the instructor. Credit 3 hours.
- 425 Directing 2.** A continuation of Directing 1. This course requires the production of a one-act play. Prerequisite: consent of instructor. Credit 3 hours.

426 Acting 2. Study of a variety of acting methods and styles. Preparation of a recital. Prerequisite: 226 or consent of the instructor. Credit 3 hours.

438 Teaching and Directing Forensics, Debate, and Theatre in the Secondary School. A study of the problems and methodologies of teaching and directing forensics, debate, and theatre activities in secondary schools. Includes observation and participation in drama, debate, and forensic activities designed for the public school programs. Satisfies teacher certification requirements for Education 438. Prerequisites: Theatre participation practical experience check sheet, participation in debate and forensic activity courses. Cross-listed with Communication. Credit 3 hours.

Graduate Studies

Master of Business Administration (M.B.A.)

Southwestern offers a Master of Business Administration degree program for working adults. Classes are held evenings at the Wichita East Professional Studies Center and in Winfield with some classes online. The 36-hour degree may be completed in two years of continuous part-time study.

For complete information on this program, contact:

MBA Program Office
Southwestern College
2040 S. Rock Road
Wichita, Kansas 67207-5350
Phone: (316) 684-5335

Master of Education (M.Ed.)

The Master of Education degree is designed to enhance and improve the skills and understandings of the teacher-practitioner and to provide a sound theoretical base for continued study. Majors are offered in curriculum and instruction and in special education.

For complete information on this program, contact:

Director of Graduate Studies
Center for Teaching Excellence
Southwestern College
100 College Street
Winfield, Kansas 67156-2499
Phone: (620) 229-6253

Professional Studies

Especially designed to serve the needs of working adults, Professional Studies offers evening, daytime, and weekend courses at centers in downtown Winfield, east Wichita (Rock and Pawnee), west Wichita (Ridge and Central), and at McConnell Air Force Base. In addition, courses are offered in an online environment through SC Online.

For complete information regarding enrollment and policies specific to the Professional Studies programs, contact Professional Studies offices at:

2040 S Rock Road
Wichita, KS 67207-5350
(316) 684-5335
Fax: (316) 688-5218
prostudy@sckans.edu

7011 W. Central Suite 205
Wichita, KS 67212-3386
(316) 946-1116
Fax: (316) 946-1079
wwichita@sckans.edu

123 E. Ninth Ave.
Winfield, KS 67156-2815
(620) 221-7999
Fax: (620) 221-0808
winfield@sckans.edu

Students from Southwestern's main campus in Winfield may also enroll for courses in Professional Studies. Only professional studies courses with identical names and numbers as those on the main campus will fulfill requirements for a campus-based major or for integrative studies. Students should presume that other courses will count only as elective credits.

Specific courses offered through the professional studies program have been approved as either requirements or electives for certain majors offered on the main campus. Students declaring one of these designated majors may enroll in one of the specified courses under the full-time main campus tuition rate with no additional tuition cost unless the enrollment creates an overload. All other main campus students choosing to enroll in a professional studies course will be charged an additional tuition fee. See the Charges and Fees section of this catalog for details.

For B.A., Major in Accounting, Major in Business Administration, Major in Entrepreneurship/Small Business Management, Major in Finance, Major in Management:

HRD 345 Managing Human Resources. A study of the development of the personnel management role, the organization of work, staffing the organization, developing human resources, creating favorable work environment, management-labor relations, compensation, and benefit administration. Credit 3 hours.

OMGT 415 Supply Chain Management. Intricacies of supply chain management and disruptive factors that influence the supply chain are studied. Includes an analysis of current practices that reflect maximum supply chain reliability and sustain delivery integrity. Credit 3 hours.

OMGT 425 Managing Technological Change and Innovation. Focuses on the two perspectives required to successfully manage and implement change and innovation within a work culture. Applicable individual, group and organizational theory will be paired with the study of innovation theory and practice. Credit 3 hours.

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For B.S., Major in Computer Science and Digital Arts:

COT 410 Local Networking (LAN)

Fundamentals. This course covers the networking of computers within a small geographic area using current and emerging Ethernet protocols and includes the functions of inter-networking devices such as routers, switches, hubs, and NICs. Network operating systems, delivery media (both physical and wireless), peer networking, server functions, workstation and server hardware, network addressing, and TCP/IP protocols will also be covered. Credit 3 hours.

COT 411 Web site Management. The design and development of web sites to support business operations. Includes the study of site design, maintenance, and the integration of databases and other programming functionality to increase the capability of a web site to support changing business needs. Credit 3 hours.

COT 415 Computer Systems Integration. Comprehensive, hands-on course providing basic computer systems service topics as well as more advanced issues pertaining to hardware and operating system configuration, installation, and troubleshooting. Additionally, the course expands the students' practical experience and knowledge in networking maintenance issues, safety, and customer service techniques and management. Credit 3 hours.

CPT 321 Advanced Visual Basic Programming. Using the Data Environment Designer, Report Designer and the Data View window, the student builds and processes random access files in the development and delivery of business transaction and Internet applications. Students learn how to enhance application interfaces to meet the user's interactions through Object Oriented Programming (OOP), class modules and Active X components. Prerequisite: 320. Credit 3 hours.

CPT 322 SQL Fundamentals. Using SQL Server, students retrieve information from various relational databases. Beginning with simple queries that re-

trieve selected data from a single table, it progresses to advanced queries that summarize the data, combine it with data from other tables, and display the data in specialized ways. Credit 3 hours.

CPT 323 VBA, The Internet, and Microsoft Office Applications.

Course focuses on using Visual Basic for Applications programming to support applications in Microsoft Access and Excel. Students use the Object Model for both Access and Excel and produce programs that include declaration and assignment of object, string, date, and numeric variables, selection statements, repetition statements, custom dialog boxes, and ADO data exchange. Prerequisite: COT 220. Credit 3 hours.

CPT 327 E-Commerce. Course covers E-Business by defining it, creating a plan, building and designing a web site, addressing security issues, and launching an E-Business. Cross-listed with Business Quality Management. Credit 3 hours.

CPT 421 Java Programming 1. Presents Java object oriented programming logic and fundamental techniques from the basic concepts of primitive data types, operations, control statements to user defined methods, objects, classes, class inheritance and GUIs to construct robust business solutions. Credit 3 hours.

CPT 422 Hypertext Markup Language Programming Techniques. A course designed to have students leverage the power of JavaScript coupled with HTML to build company business sites that deliver state-of-art interactivity and use tools such as image maps, forms, and style sheets to integrate JavaScript with the HTML language to design exquisite sites. Credit 3 hours

CPT 423 Project: Designing and Programming an Application. The student learns through the design of a complete application how to establish a robust, scalable, and secure business solution using the development and programming tools learned throughout previous computer programming courses. Prerequisite: 4 CPT courses. Credit 3 hours.

CPT 432 Visual Basic.Net Programming Essentials I: Includes the essentials of Visual Basic.Net applications

programming within Microsoft's Visual Studio .Net Integrated Development Environment. Students learn how to develop object-oriented programs, test and debug applications, produce active Windows controls, develop multi-form applications, enhance the graphic user interface and manipulate dates and strings within the .Net platform. Credit 3 hours.

CPT 433 Visual Basic .Net Programming Essentials II: Using Microsoft's Visual basic .Net Integrated Development Environment, students learn advanced concepts on how to work with arrays and collections, structures and files, and XML to build robust business solutions. Advanced skills in object oriented programming are presented for developing database applications using ADO .Net to produce bound controls and parameterized queries to develop Web forms and services. Prerequisite: CPT432 or equivalent. Credit 3 hours.

CPT 441 Active Server Pages Programming. Course presents techniques for creating ASP pages and using ASP components to collect and deliver information to databases. Course enables students to design, maintain interactive and dynamic Web applications with the server-based scripting language, Active Server Pages. Credit 3 hours.

CPT 444 XML (Extensible Markup Language). Students will develop applications with XML that share and access data through the Web and apply the structure and code of XML for business applications that manipulate, share, extract, and store data. Prerequisite: 422. Credit 3 hours.

Academic Policies

Academic Integrity

Southwestern College assumes the academic integrity of its students. In cases where academic integrity is in question, the following definitions and policies will apply.

Academic dishonesty is any act of cheating, fabrication, plagiarism, abuse of resources, forgery of academic documents, dissimulation, or sabotage, and any act of aiding and abetting academic dishonesty. The following definitions make clear the policy of the college.

1. Cheating is using or attempting to use unauthorized materials, information or study aids in any academic exercise.

Examples: copying homework, copying someone else's test, using an unauthorized "cheat sheet," etc.

2. Fabrication is the falsification or invention of any information or citation in any academic exercise.

Examples: making up a source, giving an incorrect citation, misquoting a source, etc.

3. Plagiarism is the representation of the words and ideas of another as one's own in any academic exercise.

Plagiarism includes failing to give a citation for using work from another person or source. Modifications and rephrasings do not reduce the requirement for giving a citation. This also applies to information obtained electronically, such as from the Internet.

4. Dissimulation is the disguising or altering of one's own actions as to deceive another about the real nature of one's actions concerning an academic exercise.

Examples: fabricating excuses for such things as missing classes, postponing tests, handing in late papers; turning in a paper for one class that was originally written for another class (when original work is requested), etc.

5. Abuse of resources is the damaging of any resource material or inappropriately limiting access to resource material which is necessary for academic work.

Examples: hiding library materials, removing noncirculating material from the library, hiding or stealing another person's textbook, notes or software, failure to return library materials when requested by the library, etc.

6. Forgery of academic documents is the unauthorized changing or construction of any academic document.

Examples: changing transcripts, changing grade books, changing grades on papers which have been returned, forging signatures, etc.

Examples also include completion of an application for any Southwestern academic program which omits or falsifies any requested information. Such violations can result in the revocation of the application, even if approval was previously granted on the basis of fabricated information.

7. Sabotage is the damaging or impeding of the academic work of another student.

Examples: ruining another student's lab work, destroying another student's term paper, etc.

8. Aiding and abetting academic dishonesty is knowingly facilitating any act defined in 1-7.

Policies for Dealing with Academic Dishonesty

The instructor shall determine if the infraction is intentional or unintentional. Violations of the academic integrity policy will result on the first offense with:

1. A reprimand (written or verbal) for unintentional violations
2. A zero for the assignment (paper, exam or project) for intentional or flagrant violations

Unintentional infractions may be reported to the academic dean at the discretion of the faculty member. All infractions deemed by the faculty member to be intentional must be reported in writing to the academic dean; the student will also be notified. The academic dean shall keep a record of reported infractions and sanctions.

Any subsequent intentional violation of the policy by that student during her/his academic career at Southwestern will result in a disciplinary hearing before the academic affairs committee and possible suspension from the institution. Any student so suspended has a right to an appeal. If a student wishes to appeal, the request should be made in writing and must be received in the academic dean's office by the date determined by the dean in consultation with the academic affairs committee.

Any violation of the policy not under the supervision of a faculty member will be handled by recommendation of the academic dean to the academic affairs committee.

Adapted and used by permission from Tabor College.

Assessment

Southwestern College is committed to quality in higher education. It strives to meet the educational needs of society and of individual students. The student assessment program at Southwestern exists to evaluate the effectiveness of the college experience in assisting students' movement toward the outcomes identified as flowing from the mission of the college. To that end aggregate data are collected from students at the beginning of the fall semester and at the end of the spring semester. The process and product of student assessment focuses on the centrality of the teaching mission of higher education, and on the institution's ability to self-correct in ways meaningful to the educational experience of students.

Students enrolled at Southwestern are expected to participate in the student assessment program. The information resulting from the assessment process will not be used in any way other than for institutional improvement and individual student advising. Students may be privy to their individual scores and may use them in ways they deem helpful.

General Academic Policies

Full-time Course Load. A normal full-time load is 12-16 credit hours. Students taking 19 or more hours must have the approval of the academic dean. Full-time students who successfully complete each term's work and meet all major requirements may expect to graduate after four years of study.

Part-time Course Load. Students carrying fewer than 12 hours are classified as part-time students.

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Student Classification. Students are classified on the basis of the number of accumulated hours and earned grade points according to the following schedule:

Freshman, 1 to 24 semester hours

Sophomore, 25 to 49 semester hours and at least 29 grade points

Junior, 50 to 84 semester hours and at least 86 grade points

Senior, 85 semester hours and above and at least 165 grade points

Course Numbering System. Courses are numbered by level:

Freshman—100

Sophomore—200

Junior—300

Senior—400

A student may take no more than one level above his or her classification.

Grading System. The college grading system defines the following marks as graded hours and assigns the grade points shown per credit hour:

A = Superior work (A+ or A, 4 points; A-, 3.67)

B = Above average work (B+, 3.33; B, 3; B-, 2.67)

C = Average work (C+, 2.33; C, 2; C-, 1.67)

D = Minimally acceptable work for receiving credit (D+, 1.33; D, 1; D-, 0.67)

F = Failure (0 points)

These additional marks are also used but do not designate graded hours and do not impact calculation of a GPA:

WD = Withdrawal from a course

I = Incomplete work

S = Satisfactory work

U = Unsatisfactory work

Satisfactory/Unsatisfactory Grading.

In any term, a student may choose one elective (not a departmental requirement or a required cognate course) to be graded as S or U. This choice is to be

made at the time of registration and may not be changed after the published last day for enrollment.

Change of Registration. A change of registration is not official until a student obtains a form from the college service counter, has it signed by the advisor, and returns it to the counter for processing.

Courses to Carry Credit Indicated. All courses must carry the credit indicated in the catalog except by action of the academic affairs committee.

Incompletes. A student may request a temporary grade of incomplete when the work of the student has been generally satisfactory, but for reasons beyond the student's control it has not been possible to complete certain assignments made by the instructor. If the instructor agrees to the student's request, the student and teacher must jointly complete and file with the registrar a form describing the work remaining in the course and a plan for its completion.

If an incomplete is given, the deadline for finishing the course work is thirty days after the beginning of the fall or spring term following the term in which the incomplete is given, or an earlier deadline as agreed to by the student and teacher. A grade of F will automatically be entered as a final grade if the remaining work is not completed by the deadline.

Extension of the deadline may be allowed by special permission of the academic dean in cases of illness or other conditions beyond the student's control. Requests for extensions of deadlines must be initiated by the student and endorsed by the instructor involved in order to be considered. During the period in which a student holds an in-

complete, the grade point average will be calculated without counting the incomplete.

An instructor may not give an incomplete unless the student has requested it. If at the time grades are submitted to the registrar's office the form requesting an incomplete is not attached and jointly signed, a grade of F will be recorded.

Official Withdrawal From Courses.

Any student may withdraw from a course in the fall or spring term at any time until the close of the ninth week and receive a grade of WD. This grade does not influence the grade point average. Withdrawals after the close of the ninth week will result in a grade of F.

Repeating Course Work. If a student repeats a course, both the original and repeat grade will be recorded on the official transcript, but only the repeat grade will be used in calculating earned hours and grade point averages, regardless of whether that grade is higher or lower than the original grade. Courses shown in the catalog as repeatable for credit do not fall under this rule.

Appeal of Grade. Any grade change or appeal for a grade change must be requested within 30 days after the beginning of the fall or spring term following the term in which the grade is given. If a student believes the grade recorded by an instructor is inconsistent with the documentary evidence, an informal discussion with the faculty member is required as the first step of an appeal. If satisfactory resolution is not achieved at this level, the student may then seek resolution with the program director/department chair in which the course is taught. The final step would be to submit a written request for an appeal of a

grade to the academic dean (or assistant dean). After receiving the written request, the dean will meet with the student to verify an attempt at resolution of the issue through the negotiation process and/or in mediation with the student and faculty. If it is determined that resolution has not occurred, the dean will request written documentation with rationale from both the student and the instructor regarding the grade assigned. The dean will also schedule a hearing with the appeals committee. The appeals committee will be made up of the academic dean (or assistant dean), dean of students (or assistant dean of students), and the chair of the academic affairs committee. The committee has the right to interview the student, the faculty member(s), and other pertinent individuals in an effort to reach a just resolution of this issue. This committee will render the final decision on the appeal. Notification of the grade appeal findings will be forthcoming from the dean's office.

This process is followed in appealing sanctions placed on a student as a result of the academic integrity policy as well.

Attendance Policy. Students are expected to attend all classes as scheduled. Students who are absent are accountable for missed material and are responsible for arranging make-up work. Absences exceeding three times the number of class meetings per week are considered unacceptable. Tardies may be counted as absences. The college supports attendance policies that are more restrictive, if such policies have been stated in the course syllabus.

Failure to Meet Course Requirements. If a student exceeds the permitted number of class absences or otherwise fails to do the work of a course, an

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instructor can inform that student in writing that it will be impossible for the student to pass the course and an F will be the result when grades are turned in. The instructor may wish to suggest to the student that further attendance or completion of class work will not change this outcome.

If this notice comes prior to the official last day to withdraw from a course, the student may withdraw and receive a grade of WD. After that date the grade will be F.

A copy of the notification letter will be sent to the academic dean. Any exemption from this policy must be discussed with the instructor personally, and the final judgment is the instructor's.

Withdrawal From College. Any student wishing to withdraw from the college during a term must give official notice at the college services counter. Failure to give notice may damage the student's permanent record. When a student officially withdraws, charges are cancelled according to the information shown in this catalog under "Charges and Fees."

Academic Probation. When the overall grade point average falls below 2.00, a student is placed on academic probation and will receive notification from the academic dean. Any student placed on academic probation will be evaluated by the director of student support services, who will work with the student to devise a contractual plan of improvement. This plan may include enrollment in the Essential Skills course(s), periodic monitoring by the director and/or meetings with the advisor. Any student placed on academic probation is subject to the conditions prescribed by the academic affairs committee.

Academic Suspension. Students who fail to maintain the standards listed in the suspension index chart below are failing to make minimum progress toward the degree and therefore may be suspended from the college. Additionally, students who complete a term with an F average may be suspended. Generally, suspended students may petition the academic affairs committee for readmission after one semester.

Any student who is academically suspended has a right to an appeal. A request for appeal should be made by the student in writing and must be presented to the academic dean within two weeks of the date of suspension. Supporting material should be submitted by the student prior to the appeals meeting. The appeal will be heard by the academic affairs committee, and the committee's decision shall be final.

Total Hours Attempted	Suspension if Cumulative GPA Below
1-12	1.40
13-24	1.50
25-29	1.60
30-34	1.70
35-39	1.80
40-44	1.90
45-above	2.00

Academic Bankruptcy. Individuals who have accumulated a grade point average of less than 2.00 at Southwestern College may petition the Academic Dean and the Academic Affairs Committee to have their prior Southwestern College Academic record "forgiven." To qualify, the petitioner cannot have been enrolled as a full time degree candidate at Southwestern College for a period of two years. A request is to be judged by the Academic Affairs Committee in terms

of the student's readiness for academic success. A student may receive academic forgiveness only once. When granted, the student's prior record of academic work completed at Southwestern College will be sealed. The new academic record will indicate "Academic Forgiveness Granted" and the effective date. The student may then resume study under no academic restrictions.

This policy applies only to the usage of student academic records within Southwestern College. This would include the use of student GPA in determination of graduation requirements, suspensions and probations, and internal financial aid stipulations. Although a student's prior academic record will be marked as "Academic Forgiveness Granted," outside agencies and other academic institutions may choose to ignore this distinctions and require copies of all Southwestern College academic work for their purposes. A student transferring from Southwestern to another institution must follow the receiving institution policy.

Taken from: Washburn, KU, WSU, Kansas Wesleyan University catalogues.

Validation of Credits by Examination.

Course credit may be earned by special internal examination and added to the student's record. The examination may be administered to any regularly-enrolled student by a faculty member designated by the academic dean. A transcript validation fee applies to all courses locally validated.

A student may present scores earned on examinations administered by outside agencies approved by the academic affairs committee. Credit from this source may include the College Level Examination Program, Advanced Placement

Program, Dantes, and evaluations provided by the American Council on Education of military service and other educational programs. Up to 30 hours of credit may be validated by external examination. Credit by examination awarded by other accredited colleges is accepted as transfer credit.

Credits earned by validation are graded satisfactory (S). They count toward graduation and, when initially entered by Southwestern or another baccalaureate degree-granting institution, toward the minimum 60 hours required from baccalaureate-degree-granting institutions. They do not assist in fulfilling the requirement for a minimum of 30 hours in Southwestern courses.

Credit for Prior Learning. It is recognized that many persons have accumulated non-college experiences that can be translated into college credit. Degree candidates may apply for evaluation of experiential credit during their graduation year at Southwestern.

A student who wishes to apply for such credit is invited to prepare a summary of those experiences in writing, strictly following guidelines outlined in a document available from the academic dean's office.

Students enrolled in the Professional Studies program should confer with center staff regarding application procedures.

The dean, in consultation with the student's advisor, uses various methods of evaluation to assess the student's competence level and grants elective credit hours accordingly.

Examples of work and other experiences that may be considered for credit are in-service education, continuing education in any form, occupational experience, professional attainment, and travel

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that can be shown to have resulted in personal growth and learning.

Credits awarded by Southwestern College for prior learning are graded satisfactory (S). They count toward graduation but do not assist in fulfilling the requirement for a minimum of 30 hours in Southwestern courses.

A fee will be assessed for evaluation of prior learning. It must be paid at the time an application is submitted for evaluation.

Audit of Classes. Auditing consists of attending a class regularly without participation in class work or receiving credit. Permission to audit a class is granted by the instructor. Some laboratory classes may not be audited; others may depend upon payment of laboratory and special fees. Students auditing a course must register for the course and pay an audit fee.

Academic Honors

Graduation With Honors. General honors are awarded to those members of the graduating class who throughout their college career have attained a high average of scholastic achievement in their work. Seniors with a grade-point average of 3.85 or higher will graduate *summa cum laude* ("with highest honors"); a 3.70 will be required for *magna cum laude* ("with high honors"), and 3.50 for *cum laude* ("with honors"). For students who have transferred hours to Southwestern, both the resident GPA and the cumulative GPA must meet the standard.

Departmental Honors. Departmental honors are awarded to graduates with a grade-point average of 3.50 or higher in their major coursework and who have

successfully completed study of a specific subject in accordance with the following guidelines. The student must submit a copy of the proposal to both the Academic Affairs Committee and the Registrar's Office no later than the last day of classes in the closing term of his/her junior year. The project proposal will include the general area of study, the research question/statement and rationale, a list of the student's committee members, and a preliminary project time schedule. The committee should include a Southwestern College supervising faculty member, a Southwestern College faculty member serving as the student's advocate, a person not affiliated with Southwestern College who can offer expertise in the area of study, and additional members as expertise suggests (e.g., a statistician). The submitted proposal must also include a letter of support from the supervising faculty member. The project will be completed and presented to the project committee prior to the deadline for senior grades. The committee will decide if the project merits "pass with honors," "pass without honors," or "no pass." The supervising faculty member will then notify in writing the academic dean, the chair of the academic affairs committee, and the registrar of the committee's decision. Students desiring publication of their award in the Honors Convocation program must have completed all requirements for departmental honors including the presentation to the project committee prior to April 1 of the spring semester of the student's senior year. These requirements are intended to be minimum standard for departmental honors for the entire campus. However, each department may choose to add further requirements in

accord with the needs of that academic discipline.

Dean's Honor Roll. The Dean's Honor Roll recognizes scholastic achievement of full-time undergraduate students during a single term. Based on the grades for the current term, students who earn 12 or more hours with a grade-point average of 3.70 or higher are placed on the Dean's Honor Roll.

Valedictorian/Salutatorian. The graduating senior with the highest grade point average at the time all senior grades are turned in is recognized as valedictorian. The second highest ranking student is named salutatorian. If two or more persons are ranked equally for valedictorian all are named such and no salutatorian is recognized. If two or more persons are ranked equally for salutatorian all are recognized. Selection is made from graduating seniors who have earned at least 60 graded hours at Southwestern and have not previously been named to the honor.

Order of the Mound. The Order of the Mound recognizes academic achievements of baccalaureate-level graduates. Students are named to the Order of the Mound according to the following procedure:

1. Members shall be named once a year, in May, following submission of final grades for graduating seniors but prior to awarding of degrees at the May commencement.

2. After recording final grades, the registrar shall prepare a list of baccalaureate-level students graduating in the upcoming commencement (this list shall include all students who have completed graduation requirements since the previous year's commencement). These stu-

dents shall be arrayed by cumulative grade point average, with the highest GPA at the top of the list.

3. The number of students (n) eligible for Order of the Mound membership shall be determined as 10% of the names on the completed array. If n is a fractional figure, it shall be rounded off.

4. The registrar shall strike from the list those students who have completed fewer than 60 graded hours (A/B/C/D/F) at Southwestern College.

5. The registrar shall also strike from the list those students who previously have been named to the Order of the Mound.

6. The registrar shall then count the first n students in the array for Order of the Mound membership. If the nth student holds the same grade point average as one or more students farther down the array, those additional students shall also be included for membership unless such action increases membership to greater than 12% of the graduates. In such case, the first grade point average higher than that of the tied group of students shall be used as the final one for inclusion in membership.

Scholar of the College. The senior student with the highest grade point average is recognized at the matriculation convocation each fall. The selection is made from full-time students who are enrolled in campus-based programs and have earned 85 or more hours (at least 30 of which are graded hours earned at Southwestern), have not earned a degree, and have not previously been named to the honor. In the event that several students rank equally, all share the honor.

Junior Marshals. Junior marshals lead the processions of graduates at honors

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convocation and at commencement. They are selected by the following procedure:

1. All those full-time students who are enrolled in campus-based programs and have earned between 79 and 110 hours (inclusive), of which at least thirty are graded hours earned at Southwestern, at the time of the spring honors convocation shall be considered for the honor.

2. The two persons meeting the above criteria and having the highest cumulative grade point averages shall be named junior marshals.

3. In the event that there are more than two persons with identical highest grade point averages, all those persons shall be named junior marshals.

4. In the event that one person has the highest grade point average and there are two or more persons with the second highest grade point average, all those persons shall be named junior marshals.

Masterbuilders. Six graduating seniors who best typify the spirit of Southwestern are selected annually by the following process. The registrar prepares a list of graduating seniors who are enrolled in campus-based programs, excluding persons who have previously been elected Masterbuilder. Each Student Government Association member nominates six seniors from the list. Any senior receiving a nomination is included on a list submitted to the faculty. Each faculty member votes for six seniors from this list. Any senior receiving one or more votes from the faculty is included on a list submitted to the student body. In an election conducted by the Student Government Association, each student may then vote for six seniors. The six graduating seniors receiving the highest

number of votes are named Masterbuilders. The formal announcement of these seniors is made at the spring honors convocation.

Special Academic Studies

Independent Study. The academic curriculum at Southwestern College has been designed to give ample opportunity for independent study. Intended for students who have established a foundation of understanding and competence in a given discipline, independent study permits pursuit of that discipline to an extent or in a specialized area not offered in any established course. Independent studies are to be initiated by the student in conference with a member of the faculty. Approval forms for the study are available at the college services counter. The form requires a complete description of the work to be done and the basis for grading, the signatures of the student, supervising teacher, and the academic dean. It is to be returned to the college services counter at the time of enrollment for the course. Two special types of independent study are the honors program and the senior project.

Practicum. A practicum involves work experience of a practical nature related to a particular discipline, and may take place either off or on campus. A student may enroll in a practicum course for one to five credit hours. These courses are available to sophomores, juniors, and seniors. Approval forms for practicums are available at the college services counter. The form requires a complete description of the work to be done and the basis for grading, the sig-

natures of the student, off-campus supervisor, supervising teacher, and the academic dean. It is to be returned to the college services counter at the time of enrollment for the course.

Internship. The internship program provides work experience in industry, social, or civic agencies on a full-time basis either voluntary or paid. A student may enroll in an internship for six to fourteen credit hours. The program is available to junior and senior students. Participation in the internship program requires previous academic preparation in the general areas of the internship as well as academic supervision during the course of the work.

Senior Assistant. Each year various departments of the college select outstanding seniors who will be designated senior assistants. The purpose of the program is to give the students an introduction to college teaching by participating in the activities normally encountered by the college teacher, including lecturing or directing class activities. The nature of the program varies and selections must be approved by the academic affairs committee. Selection is by invitation rather than by application.

International and Other Off-Campus Study Programs. Southwestern College provides counsel and assistance in planning off-campus and international study programs. During the past two years, students have studied in Ireland and Ecuador, Chicago, Washington, D.C. and other locations in the United States. For information on these programs, inquire at the academic dean's office.

Special Lectures. Roy L. Smith-Willson Lectures were established by Mr. and Mrs. J. M. Willson of Floydada, Texas, to call

attention to the important moral and religious aspects of education. Outstanding leaders of the nation are invited to give these lectures. Parkhurst Lectures on the Bible were established by Dr. and Mrs. George Parkhurst to bring to the campus scholars who are known for their unusual ability to interpret the meaning and purpose of the Bible for a student generation. The Paul V. Beck Lecture-ship on Science and Religion was established by Paul V. Beck of Tulsa, Oklahoma. Well-known scientists and Bible scholars present the Beck Lectures.

Admission to Southwestern

Southwestern College invites applications from students whose personal and academic records show high standards of achievement, thus giving promise of academic success in the years ahead.

The rationale used in each admission decision for all categories of students is the concern for each student to have a successful academic experience at Southwestern College. The Office of Admission reserves the right to accept or deny each applicant. An applicant who wishes to contest a denial may request a review of the application by the Director of Admission. The appeal will be heard by the enrollment management team whose decision shall be final.

Southwestern College does not discriminate on the basis of race, gender, color, religion, age, national origin, ethnic origin, physical disability, or sexual orientation in the recruitment and admission of students, the recruitment and employment of faculty and staff, and the operation of any of its programs and activities.

Following are the admission standards for each student category.

Admission Standards

First-Time Freshmen

Graduates of Accredited High Schools.

Admission decisions for graduates of accredited high schools are based on a combination of curriculum, grade point average, ACT/SAT scores, and written essay.

Southwestern requires a minimum high school curriculum reflecting the following coursework:

1. 4 years of English
2. 3 years of mathematics (including algebra I, algebra II, and geometry)
3. 2 years of science (including 1 year of general science and 1 year of laboratory science)
4. 2-1/2 years of social science (including 1 year of American history, 1 year of world history, geography, or equivalent, and 1/2 year of sociology, psychology, citizenship, or equivalent)
5. 2 years of foreign language, oral communications, or computer science, or any combination of the three.

Essay. An essay on a topic of your choice or an example of your writing skills from a class you have taken is also required.

Essays are evaluated for content, style, and grammar and should be long enough to sufficiently develop the idea(s) presented. Double-spaced, typewritten essays are preferred.

Graduates of Non-Accredited High Schools and Home School Students.

Students graduating from non-accredited high schools, home school students, and GED completers may apply using one of the three options listed below:

1. Admission decision will be based on a combination of curriculum equivalent to that required of accredited high school graduates, grade point average, ACT/SAT scores, and written essay.
2. Admission decision will be based on a combination of a portfolio of accomplishments during the student's high school years, ACT/SAT scores, and written essay.
3. Admission decision will be based on scores on the General Education De-

velopment (GED) test that are above the 50th percentile and written essay.

Southwestern College will accept as special students those who are currently completing their high school courses of study and who wish to take up to six hours of college credit per semester. Permission must be granted by the appropriate high school administrators.

Transfer Students

Students who have completed high school and who have accumulated more than six college credits since then are classified as transfer students. Admission decisions for these students are based on a combination of college grade point average, curriculum, and written essay.

A cumulative grade point average of 2.0 or higher is required for transfer students. This grade point average will be calculated on core courses or courses that are equivalent to Southwestern College courses (exclusive of activity credits). Southwestern College gives full value to transcripts of records from institutions recognized by the Council for Higher Education Accreditation (CHEA). The college does not accept transfer credit for varsity athletics.

If the student is transferring with fewer than 24 hours of credit, a transcript from an accredited high school showing graduation or a GED with a score above the 50th percentile will also be required for admission.

In addition, transfer students are required to write an essay. For details about the essay content, please refer to the directions under the requirements for high school graduates.

In order to graduate from Southwestern College, transfer students must complete a minimum of 60 hours at an accredited four-year academic institution.

Thirty of the 60 hours must be completed at Southwestern.

Transfer hours with grades below C will not count toward major requirements or to waive integrative studies requirements.

International Students

Admission decisions for international students are based on a combination of English proficiency, successful completion of courses leading to graduation, letters of recommendation, and proof of financial support.

Students who have attended schools where English has not been the primary language of instruction must show evidence of English proficiency through a score of 550 or higher on written test or 213 or higher on computer based test on the Test of English as a Foreign Language (TOEFL), special courses in other institutions such as completion of the highest level of an Intensive English Language Center program, or other relevant experiences.

Entering freshmen must have graduated from a secondary institution in their home country and must provide original certified copies of their academic transcripts which have been translated into English. Transfer students must provide original certified copies of all college transcripts which have been translated into English. An international student who enrolls as a degree-seeking student at Southwestern and who has taken courses at colleges outside the United States must pay to have these credits evaluated through a transcript evaluation service approved by Southwestern College.

In addition, international students must submit a certified bank statement indicating that the student or the

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student's sponsor has sufficient funds to meet the first year's expenses, a personal statement about the student's background, interests and personal accomplishments, and three letters of recommendation. If the student is being sponsored, a certified letter from the sponsor should be submitted indicating that the sponsor will be supporting the student during the student's stay in the United States. If the student is sponsored by the student's home government, the student should send a certified letter from the government indicating support and billing information.

Application Procedure

First-Time Freshmen and Transfer Students

To be admitted to Southwestern College, the student should take these steps:

1. If possible, visit the campus to become acquainted with the college community and to discuss the admission process with an admissions counselor.

2. Complete an admission application form and return it to the college with a \$20 processing fee and a written essay.

3. Have the official transcripts of all high school and/or college credit sent to the Southwestern College Office of Admission. High school transcripts should include class rank (if applicable), grade point average, and grading scale whenever possible.

4. Take either the American College Test (ACT) or the Scholastic Aptitude Test (SAT) and have the scores forwarded to the admissions office. Students should take the ACT or SAT prior to the spring semester of their senior year to take full advantage of Southwestern scholarship opportunities. The ACT code number

for Southwestern College is 1464 and the SAT code number is 6670.

5. Upon acceptance for admission, the student is requested to submit a tuition deposit of \$100 which will allow the student to pre-enroll for classes. The deposit will also allow students living on campus to receive their room assignment. This deposit is refundable through May 1 for the fall term and through December 1 for spring term. The deposit will be credited to tuition charges when the student enrolls.

Deadlines. New students wishing to enroll full-time at Southwestern College in the fall semester should have a complete application file in the Office of Admission by August 1. New students wishing to enroll full-time at Southwestern College in the spring semester must have a complete application file in the Office of Admission one week prior to the start of spring classes.

A complete application file includes:

1. application form
2. application fee
3. other requirements as listed under each student category.

Students accepted for fall term are reminded that all paperwork for financial aid, housing, and health forms should be turned in by August 1. To receive priority housing assignments, the housing form and admission deposit must be received by May 1.

International Students

To be admitted to Southwestern College, international students should take these steps:

1. Write, e-mail, call, or visit the campus to become acquainted with the college community and to discuss the ad-

mission process with an admission counselor.

2. Complete an admission application form and return it to the college with a written essay.

3. Have the official transcripts of all high school and/or college credit translated into English and sent to the Southwestern College Office of Admission. High school transcripts should include class rank, grade point average, and grading scale whenever possible.

4. Take the Test of English as a Foreign Language (TOEFL) and have the scores forwarded to the Office of Admission. The TOEFL code number for Southwestern College is 6670. If applying for English proficiency through other means, forward documentation such as transcripts accompanied by an explanation to the Office of Admission for review.

5. Forward three letters of recommendation, translated into English, from teachers or professors who are familiar with the student's academic ability.

6. Complete the certification of finances form documenting amounts of financial support from sources other than Southwestern College. If sponsored by the student's home government, send a certified letter indicating amount of support and billing information.

7. Remit a \$1,000 deposit.

8. Upon acceptance for admission and the receipt of the \$1,000 deposit, the student will be forwarded a Form I-20. This should be presented to the student's local United States consular officer to obtain a student F-1 visa. If for some reason the student is unable to obtain a visa, \$900 of the deposit will be refunded.

Deadlines. International students wishing to enroll full-time at Southwestern College in the fall semester must have a complete application file in the Office of Admission by July 1. To enroll full-time at Southwestern College in the spring semester, the student must have a complete application file in the Office of Admission by December 1.

A complete application file includes:

1. application form

2. other requirements as listed under the international student category.

Students accepted for fall term must turn in all housing and health forms by August 1. To receive priority housing assignments, the housing form must be received by May 1.

For More Information

For necessary admission forms or more information, students should write, call, fax, or e-mail:

Office of Admission

Southwestern College

100 College St.

Winfield, KS 67156-2499

(620) 229-6236

(800) 846-1543

Fax: (620) 229-6344

scadmit@sckans.edu

Student Life

The student life department at Southwestern supports the total mission of the school. Each part of the student life department works together in an attempt to care and support each student in a holistic way.

Campus Life

The Office of Campus Life is an integral component of student life that includes Student Government Association, Student Foundation, and Freshman Class Council. Campus life is dedicated to the intellectual, physical, spiritual, and social growth of students. To complement the academic experience, a wide variety of campus activities are available. Educational, diversity, recreational, and social activities are sponsored by student organizations and the college. Artist and lecture series bring to the campus a wide variety of cultural and informative programs. Many of the performers and speakers are of international prominence and serve to enrich the Southwestern and Winfield communities.

The office provides a number of opportunities for students to become involved in the college from the day of admittance to the day of Commencement. With more than 20 active student organizations, numerous traditional events, special involvement programs, and entertainment activities, there are plenty of opportunities to get involved in campus life. For more information, contact the Office of Campus Life at ext. 6168.

College Regulations

All students are expected to follow the rules and regulations of Southwestern College including those published in the catalog and posted on the Web at sckans.edu/policy. Enrollment in the college will be interpreted by the college as the student's acceptance of the college rules and regulations. Therefore, all students have a responsibility to be familiar with the documents mentioned above and any others which may be promulgated. Actions or behavior inconsistent with the Christian and academic traditions of the institution or unacceptable to the established community standards may result in suspension or expulsion. Enrollment at Southwestern College is interpreted by the institution to have both academic and social/behavioral implications. Students will be responsible, respect community rules (both campus and municipal), and recognize the rights of others.

Residential Campus

All full-time students are required to live on campus except those who are married, veterans, 20 years old or older and have reached junior status, or live with their parents or legal guardians.

One large dining room, a snack bar, book store, and mail center, located in the Student Center, serve all Southwestern students.

Students who live on campus are required to purchase a meal plan except for those residing in Honor or Warren apartments. Students living in Warren and Honor may purchase \$400 in flex meal dollars instead of a meal plan.

Rooms for new students are assigned by the director of housing during the summer. The college reserves the right

to make changes in room assignments and living accommodations.

One- and two-bedroom apartments are available as well as residence halls with suites consisting of two rooms and a common bathroom. One residence hall offers a private bath for each room. All residences are air conditioned and have connections for telephone, satellite television, and the Internet.

Career Planning

The Office of Career Planning offers testing and counseling services to all main-campus students. Assistance with resume writing, interviewing, and career strategizing is available on an individual basis and in workshops. The career planning resource library contains books and computer programs that provide resume tips, interest assessments, as well as information on many specific career titles. Information about job openings, graduate schools, internships, and study abroad programs are also housed in the career planning library. Any student may establish a credential file through the education department. This file is a permanent record which includes a summary of professional experience, academic qualifications, and recommendations. Students wishing to establish a credential file pay an initial fee. There is a fee schedule for sending credentials in future years. The Center for Teaching Excellence is responsible for developing credential files.

Health Promotion

Health screenings are scheduled periodically, and health consultations are available from the college nurse during office hours. College students face a variety of personal, academic, and social problems. To help with this aspect of

student development, Southwestern offers counseling referrals through student life personnel.

Campus Ministry

Southwestern College is related by covenant to the United Methodist Church. At the same time, the presence of students and faculty affiliated with other denominations lends diversity and richness to campus life.

There are numerous opportunities for students, faculty, and staff to share in worship, community service, and Christian fellowship. Campus religious activities include weekly chapel, mission trips, worship team, Bible studies, and lectures.

In accordance with its Wesleyan heritage, Southwestern promotes intellectual growth alongside personal spiritual development. The Christian faith community seeks to provide an active and visible presence on campus.

Learning Center

The Learning Center facilitates the academic success of Southwestern students by offering supplemental instructive support, such as providing peer tutoring, computer assisted learning, workshops/seminars, and supplemental learning, as well as serving as a reporting center for academic difficulty.

Activity Program

Student organizations are formed to meet the social, academic, and service needs of the students. They give the incentive and opportunity for student leadership and interaction. There are over twenty social and service organizations on campus. Many of these are related to specific academic areas such as science, education, radio, and social science. The purpose of student organizations is to

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increase campus enjoyment for the student and for enriching the total educational experience.

Student Government Association

The objective of student government is to involve the student directly in the formulation of campus concerns and policy. The Student Government Association is the main student governing body and concerns itself with all phases of campus life. Representatives from the student body, appointed by the SGA, hold positions on a wide variety of committees throughout the institution. SGA maintains its own budget and allocates fees to worthwhile campus projects.

Student Foundation

The Student Foundation is responsible to the student body to direct and plan programs that provide a wide range of connection opportunities for students. Specifically, programs of the Student Foundation encourage enthusiasm and support for Southwestern College and are directed toward three major areas: traditions, activities, and student recruitment.

Academic and Honorary Societies

Southwestern has active chapters in three national honor societies. Membership in these organizations is in recognition of good scholarship and effective participation in the respective fields. Beta Beta Beta is for biology majors. Pi Kappa Delta is a national debate fraternity. Pi Gamma Mu is an international honor fraternity for students of social science.

Each year, those seniors who have been academically outstanding in college are honored by being named mem-

bers of the Order of the Mound. Ten percent of the graduating class may be named. Transfer students must complete at least 60 semester hours on campus in order to receive consideration.

The Masterbuilder Award is the highest honor students can confer upon a senior. Selection is completed through a general student election prior to commencement.

Southwestern College also elects members to Who's Who Among Students in American Universities and Colleges. Selection of no more than ten percent of the senior class is based upon total leadership, including scholarship, campus activities, contribution to college life, and future promise.

Athletics

The athletic program at Southwestern is a part of the educational program. As such, its purposes are: (1) to improve the participants as persons by inculcating the ideals of good sportsmanship, good health, disciplined living, and team play, (2) to enrich the total experience of the entire student body, (3) to provide recreation, and (4) to provide laboratory experience for those planning professional work in physical education and recreation. The total athletic program should raise the morale, spirit, and tone of the campus life. To those ends the college maintains programs in club sports, intramural, and intercollegiate athletics. Southwestern College, whose athletic teams bear the name "Builders," competes in the Kansas Collegiate Athletic Conference in basketball, football, golf, soccer, tennis, cross country, track, volleyball, and softball.

Debate and Forensics

Debate has a long tradition at Southwestern. The college was a charter member of Pi Kappa Delta—the national debate fraternity—and the first intercollegiate tournament was hosted on this campus in the late 1920s. Debate and forensics are concerned with providing an experience in competitive advocacy and in the development of persuasive skills for students.

Music

The Southwestern music department sponsors several organizations that are open to participation from the general campus community. These include the Winfield Regional Symphony, SC Concert Band, SC Jazz Band, SC Pep Band, A Cappella Choir, College/Community Chorus, and several small vocal and instrumental ensembles. Any student may study voice or any instrument. Lessons are given privately or as a class at all levels of proficiency.

Publications

Southwestern College supports two student-managed publications: The Collegian, the campus newspaper (published twice each month), and The Moundbuilder, the college yearbook. Interested students are encouraged to become involved on the staffs of these two publications.

Radio/TV Station

The college owns and operates a 10-watt FM radio station, KSWC, in conjunction with the communication program. KSWC is designed to provide informative and entertaining listening for Southwestern students and the Winfield community. The college also produces

student-run television programs for cable broadcast.

Service Learning

Service learning provides a collaborative cycle of study, action, and reflection for learning immersed in the mission of Southwestern College.

Three unique and complementary programs make up service learning at Southwestern:

Discipleship Team. Discipleship Southwestern gives students the opportunity to study the Bible in a supportive group of fellow travelers and in a systematic way. Discipleship teams gain real confidence in knowing the Scriptures and applying them to daily life.

But the Christian faith is more than a series of devotional practices—worship on Sundays, Sunday school, youth group, etc. Christians realize that faith means service—giving time and physical effort to meet the needs of others. Discipleship Southwestern challenges students to make service a normal part of their lifestyle.

Leadership Team. The Leadership Southwestern program is looking for students with academic strength, leadership experience, and a desire to answer the call to lead. Students selected for the leadership team will have the opportunity to learn and practice, and practice and learn.

Leadership classes involve the use of high-level communication skills and hard work which help students do quality work on their leadership projects. Leadership projects require students to perform at a level that exceeds their current ways of getting things done, making leadership classes essential. Team experiences and trips give members a creative arena for learning, making friends,

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broadening their world view, and being in service to others.

Entrepreneurship Team. Southwestern College's Entrepreneurship Team recruits students from all majors who have interest in helping the greater community learn the concepts and benefits of entrepreneurship and the free market system. Entrepreneurship team members develop educational outreach projects for delivery to the greater community covering important topics such as business and professional ethics, personal fiscal fitness, free market economics, and entrepreneurship skills. These projects are delivered to the community in ways to generate the greatest and most far-reaching impact throughout the community. Team members may conduct workshops at schools and businesses, develop marketing plans for businesses, assist entrepreneurs in starting their own businesses, work with not-for-profits on expanding their clientele and service offerings, and many other service-oriented projects.

The Entrepreneurship team is affiliate with SIFE (Students In Free Enterprise), an international not-for-profit organization promoting free enterprise principles on the campuses of more than 1,500 colleges and universities worldwide. This association allows Southwestern College's team members to travel and compete with other similar teams for prizes, trophies, and scholarship awards. Each competition also includes a career fair attended by organizations recruiting entrepreneurship graduates.

Students selected for the Entrepreneurship Team must have excellent organizational and communication skills, possess solid leadership abilities, and be interested in pursuing entrepreneurial ventures and in being of service to their

communities beyond their college experience.

Theatre

Three auditoriums—a proscenium stage, an arena theatre, and a recital hall—allow for a variety of productions at Southwestern. Since its organization in 1919, Campus Players has demanded proficiency in acting and production from its members. Numerous productions ranging from the classic to the modern provide ample opportunity for participation. An academic approach to dramatic theory and literature complements the practical approach to production techniques. Students may also participate in oral interpretation with opportunities to participate in interpreters theatre and competitions.

Charges and Fees

Charges

Each student is charged tuition which covers approximately 45% of the cost of educational services provided by the college. The balance of the cost is met by income from endowment and by gifts from alumni, trustees, churches, and

friends of the college who are willing to help support the kind of education Southwestern provides. A substantial financial aid program also assists and encourages students.

Full-time undergraduate students on campus are assessed these charges for 2004-05:

	Term	Year
Tuition	\$7,675	\$15,350
Board (all meals)	1,405	2,810
Room (base rate, double room)	1,144	2,288
TOTAL	\$10,224	\$20,448
Average cost of books and supplies	300	600

Tuition costs are firm. Fees, board, and room may vary because of economic conditions. Room rates are higher for suites, private rooms, and apartments.

All charges assessed by the college (tuition, fees, board, room) are due and payable at the beginning of the fall and spring terms.

Tuition includes twelve to sixteen hours in undergraduate, campus-based courses. When a full-time student is enrolled in more than sixteen hours, an overload charge is made for the additional hours.

Beyond the sixteen hours covered by full-time tuition, two additional hours may be scheduled without additional charge when selected from the following: music ensembles, journalism, broadcast, or digital media experience courses, and debate or theatre participation courses, all when taken for one hour credit and for S/U grade.

A portion of tuition is directed to support student activities, student government, the student center, and the health service, all of which are available to full-time students without further charge. Additional fees may be charged for special programs, overload hours, music lessons, and labs.

Students taking fewer than twelve hours in the fall or spring terms are classified as part-time students and pay tuition at the rate shown below.

Students enrolled in main campus programs who choose to enroll in courses offered through the Professional Studies program will be charged additional tuition at the Professional Studies per credit hour rate. An exception is made for a full-time student who has declared one of the designated majors for which specific Professional Studies courses have been approved as electives. The student will be charged the flat-

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rate tuition up to sixteen hours. If the student is enrolled in more than sixteen hours, the overload charge is applicable for the additional hours.

Special Tuition Charges

The following special charges apply to undergraduate programs on campus. For graduate programs or programs offered by Professional Studies, see separate announcements. Each charge is shown per credit hour.

Overload (above 16 hours)	\$259
Summer school	259
Continuing education	259
Part-time (under 12 hours)	638
CCCC special	95
Audit (no college credit)	95
Advanced placement scholar (HS)	55
Validation of credit	100

Special Fees

Laptop computer fee per term (when elected by part-time student)	\$493
Practice teaching fee	150
Science lab fee	50
Nursing program fee	250
Private music/dance fee per credit hour	150
Prior learning evaluation	750
Enrollment maintenance (study abroad, per term)	150
Transcript fee, per copy	5
faxed, per copy	10
Replace ID card	10

Special Tuition Programs

Some students may qualify for special programs offered at reduced tuition rates. These rates are subject to specific restrictions. Enrollment must be in regularly scheduled undergraduate classes (not independent studies, practicums, or similarly-styled courses) offered on the

main campus. Special-rate students are welcome provided space is available and course prerequisites are met, and provided a sufficient number of regular students are enrolled. Appropriate fees may be charged where applicable. Special rates do not apply to summer term courses. Individuals qualifying for special rates include the following.

Senior Citizens. Residents of Cowley County who are 65 years or older may take courses free of tuition charges provided space is available and course prerequisites are met.

Warranted Degree. Graduates of Southwestern may return for study in up to nine hours in regular undergraduate courses free of tuition charges, five years after graduation and in each succeeding five-year period.

Advanced Placement Scholars. High school seniors may enroll in up to six hours each semester if permission is granted by the high school principal or counselor.

Cowley County Community College Students. Full-time students at Cowley County Community College may concurrently enroll in one Southwestern course if permission is granted by the CCCC academic dean.

Continuing Education Students. A continuing education rate is available for any student who is 25 years of age or older, has not been a full-time student during the previous two years, is enrolling for six or fewer credits (including audit hours), and has not earned more than ten credit hours under this plan.

Payment Plans

Normal financial arrangements call for students to pay in full on or before registration. This payment is based on the amount due after deduction is made for scholarships, loans, and grants. (No deduction is made for work at this time.)

If necessary, students may pay in installments with a minimum of one-fifth of the total charges (excluding book charges) due for the semester at registration. The balance of the account is due in equal installments by the fifteenth of each of the subsequent four months (September, October, November, and December for the fall term, and February, March, April, and May for the spring term).

If a student's account balance remains above \$5,000 on October 1 in the fall semester, or March 1 in the spring semester, the student will not be allowed to make bookstore charges, cash checks, or to select courses, or reserve on-campus housing for the approaching term until the account is current. At the end of a semester, students who have not made on-time, monthly payments will be required to surrender their residence hall key, laptop, and student ID card following their final exams. Failure to turn in the laptop by the required date will result in the laptop being reported stolen. Exceptions must be requested in advance from the Office of College Services. Students cannot register for a subsequent semester while a previous balance remains on the account.

A monthly finance charge of 1.5% (annual rate, 18%) with a minimum of \$1 is assessed on the unpaid balance of an account. The finance charge will be waived if on-time payment is received based on an agreed-to payment plan.

Transcript service is available when a student's account is paid to date.

Cancellation of Charges

Students who officially withdraw from college may be eligible for some cancellation of charges. To withdraw, give notice in person at the college services counter.

In fall or spring terms, tuition, fees, room, and board are cancelled according to the following schedule:

Period	Amount Cancelled
First 8 class days	90%
To end of 2nd week	80%
To end of 4th week	70%
To end of 6th week	60%
To end of 8th week	50%
To last day to withdraw	40%
Later	No cancellation

During a summer term, each day of class counts as equivalent to a week in regular term. For classes that last one week or less, regardless of term, no cancellation is possible once the class begins.

Students who move out of residence halls during the semester but do not withdraw from classes are eligible for a pro-rata cancellation of board charges if they elect to discontinue a meal plan. No cancellation is made for residence hall charges.

The schedule above describes cancellation policy for programs on the main campus. For Professional Studies programs, see separate announcements.

Cancellation of Financial Aid

Withdrawing students who have received financial aid are required to re-

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turn a portion of their aid to those sources that assisted in enrollment.

For federal aid, a calculation is made of “earned” and “unearned” aid based on the days of attendance. Unearned aid is returned first to loans (in this order: unsubsidized, subsidized, Perkins, PLUS), then to a Pell grant, SEOG, and other Title IV programs.

For Southwestern aid, the amount returned is the same percentage as the amount of charges cancelled.

For state and other aid, all funds are usable until the student’s account balance reaches zero. Any excess is returned.

Refunds

After calculation of charges cancelled and financial aid cancelled, any excess remaining on the account is refundable to the student.

Change from Full-Time to Part-Time Status

Students who enroll for full-time study but then officially drop one or more courses during the enrollment period are eligible for a cancellation if the number of hours dropped changes the student’s enrollment status to part-time. If the student elects to continue using the school-issued laptop, the \$493 laptop fee will be charged. No adjustment is made for students who withdraw from some but not all courses after the enrollment period has ended; these students continue to be classified as full-time students.

Room Deposits

All resident students are required to make and maintain a \$150 room deposit. Against this deposit damages will be

charged as described by the housing policies of the college. The room deposit remains permanently on account until the student withdraws from college, graduates, or is given permission to move off campus, at which time a refund can be requested. When no refund is requested within one year, the account is cleared.

If a student requests a room for a forthcoming term and then cancels that reservation, a penalty of \$50, \$100, or \$150 may be assessed against the room deposit. The \$50 penalty is charged for cancellations occurring later than June 15 for fall term and January 1 for spring term. The \$100 penalty is charged for cancellations occurring later than July 31 for fall term. After residence halls open for fall or spring term, a \$150 penalty is charged students who cancel their reservations before moving in. Students who move in and then decide to leave are charged the full room rate, but the room deposit is refundable.

Financial Aid

The financial aid program assists students who want to attend Southwestern College but would find it difficult to do so without financial aid. Southwestern also recognizes students with superior ability and academic achievement by awarding scholarships regardless of financial need. A full description of all Southwestern College financial aid programs and regulations can be found on the financial aid web site www.sckans.edu/financialaid.

A comprehensive assistance program of scholarships, grants, campus employment, and loans is available through funds from Southwestern College, the State of Kansas, and the federal government. If a student demonstrates financial need, an award will be offered which combines these types of aid. Financial need is defined as the difference between the total cost to attend Southwestern College and the amount the student and family can pay, based upon family income and assets.

How to Apply for Financial Aid

Before financial aid can be awarded, students must have been granted admission to Southwestern. These steps should be followed to apply for financial aid:

1. The student should complete the confidential Free Application for Federal Student Aid (FAFSA), indicating Southwestern College on the form. Application forms may be obtained from school counselors or the Office of Financial Aid. Priority application receipt

date for financial aid for all returning students is April 1.

2. To guarantee Southwestern financial aid, all returning students' financial aid files must be completed by April 1. A complete file consists of results from the FAFSA and student data form. If a student's application is selected for verification, income tax forms, W-2s, and a verification worksheet will be required. If the family knows there will be no eligibility for federal or state grants and will not need student loans, the student may sign the federal aid waiver on the data form in lieu of completing the FAFSA.

Financial Aid Regulations

The following regulations govern all scholarships and grants:

1. Scholarships and college grants are awarded on the basis of accomplishment and participation.

2. Scholarships and grants are awarded for one year and are renewable only upon application by the student.

3. Southwestern College must adjust the financial aid awards of students who withdraw prior to the end of the semester or who drop to less than full-time status during an enrollment period. Awards are adjusted according to the college's policies on cancellations and refunds.

4. For students receiving state or federal aid, Southwestern College is required by law not to offer institutional aid that would exceed the financial need of the student.

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5. One-half of any financial aid awarded is credited to the student's account each regular semester.

6. Students who lose institutional scholarships or grants as a result of their cumulative grade point average may request reconsideration of that award at the end of the semester in which the cumulative grade point average has improved to a satisfactory level.

7. Southwestern scholarships and grants are available only to full-time students whose GPA is 2.0 or better.

8. Institutional aid for undergraduate students may not exceed ten semesters.

9. Students in the professional studies and graduate programs are not eligible for institutional aid.

Satisfactory Academic Progress. Southwestern College is required by federal regulations to establish satisfactory academic progress for its financial aid recipients. These standards ensure that only those students demonstrating satisfactory progress toward the completion of their educational programs will continue to receive financial aid. Southwestern College's policy measures a student's performance in the following three areas: 1) Successful completion of courses (credit hours) 2) cumulative grade point average (GPA), and 3) maximum time to degree.

Completion of Courses. At the end of each fall and spring semester, student progress will be measured by comparing the number of attempted credit hours with the number of earned credit hours (i.e. receipt of a grade of A, B, C, or D). In any given year, students must have earned at least 70 percent of the credits they attempted to remain in good standing. The following letter

grades do not count toward attempted hours, but do count toward the completion of earned hours: AU-Audit, F – Failure, I – Incomplete, WD – Withdrawal.

Grade Point Average. Students whose work is below the levels shown in the academic suspension chart below are failing to make minimum progress toward their degree (see Academic Information).

Maximum Time Allowed to Complete a Degree. Students are eligible to receive federal and state financial aid up to 186 attempted credit hours. Once a student has exceeded 186 attempted hours, all financial aid will be suspended for subsequent terms.

Financial Aid Probation/Suspension. At the end of the fall and spring semesters, all aid recipients will be evaluated for satisfactory academic progress. Financial aid recipients who do not meet one of the three requirements for progress will be placed on financial aid probation for one semester. A student on financial aid probation is still eligible to receive financial aid for the next semester of attendance. However, if the student does not meet the conditions imposed upon them during the probationary period, the student will be placed on financial aid suspension. Suspension prevents the student from receiving any federal, state or institutional financial assistance for future semesters until such time as the student again meets all three satisfactory academic progress standards.

Conditions for Reinstatement. Students may appeal their financial aid suspension by submitting an appeal form to the financial aid office for consider-

ation by the Enrollment Management Team. Appeal forms may be picked up from the financial aid office in person or via e-mail.

Some circumstances, such as medical problems, illness, death in the family, relocation, or employment changes can be considered for an appeal. The committee will review the appeal and contact the student by a specified date. The committee's decision is considered final and may not be appealed further.

This policy does not preclude a student from enrolling in subsequent semesters. Students may have their financial aid reinstated and may be removed from suspension or probationary status once all satisfactory academic progress standards and/or probationary conditions are met.

Southwestern Grants and Scholarships

Southwestern College offers a variety of grants and scholarships to students who qualify. Students may receive a combination of academic, activity, and any of the other grants for which they are eligible. Students choosing to live off campus will have their Southwestern aid reduced.

Academic Scholarships

Southwestern College awards are based on a combination of a student's academic record, ACT or SAT scores, demonstrated leadership, and the student's financial need. The amount of these awards vary. A 2.00 cumulative GPA is received for renewal.

Special Academic Scholarships

Southwestern College's most prestigious scholarships are those awarded on the basis of special nomination or competition. These scholarships are renewable for a total of ten semesters, as long as the student is continuously enrolled each fall and spring term, and maintains a cumulative GPA of at least 3.2.

Presidential Scholarships: These scholarships are awarded to incoming freshmen who demonstrate strong academic and leadership skills. Recipients are selected following nomination by the Admissions Office. The award is for \$6,000 to ten incoming freshmen. Recipients must live on campus to receive the full scholarship award.

Dixon Scholarship: The Dixon Scholarship is designed to promote on-campus diversity and to assist in providing a college education for students from varied experiences, backgrounds, and cultures. The yearly \$6,000 scholarship is renewable provided the student maintains at least a 2.75 GPA. Recipients must live on campus to receive the full scholarship.

Phi Theta Kappa Scholarships: These scholarships of \$5,000 are awarded to transfer students who are members of Phi Theta Kappa. Recipients must live on campus to receive the full scholarship.

Premier Scholarships

The three following scholarships are awarded to incoming freshmen following competitions held each spring. The amount of the award is \$10,000 and is offered in lieu of any other Southwestern grant or scholarship. Recipients must live on campus to receive a premier

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scholarship and must be endorsed by the selection committee for renewal.

Mastin Scholarship: The Mastin Scholarship is awarded to a student who demonstrates academic achievement in the sciences, has an ACT composite score of at least 27, and will pursue a degree in the natural sciences.

Beech Scholarship: The Beech Scholarship is awarded to a student who has achieved personal and academic excellence in high school, has attained a minimum 3.75 GPA in high school, and will pursue a degree in any professional or liberal arts field.

McNeish Scholarship: The McNeish Scholarship is awarded to a student who has achieved excellence in the performing arts, has attained a minimum 3.0 GPA in high school, and will pursue a degree in any of the performing arts.

Grants

Management Grants: Students selected as SHARP Ambassadors or elected or appointed to positions of responsibility in campus organizations such as Student Foundation, SGA, or the newspaper or yearbook staffs, receive grants in recognition of these responsibilities.

Roy L. Smith Church Matching Scholarships: This is a matching scholarship program between Southwestern College and any local church. Southwestern College will contribute on a matching basis up to \$1,000 per year (\$500 each semester) to the education of any Southwestern student sponsored by a local church. The assignment of this scholarship is made without regard to the religious denomination of the participating church and is renewable. To receive the

matching funds, the funds from the local church must be received in the Office of Financial Aid by September 1.

Insoon DeArmond Scholarships: Students who have worked at the college during high school (typically in food service or maintenance) for at least two years are eligible for this award if recommended by their supervisor. The scholarship is for \$2,000 per year. If these students are eligible for an academic scholarship or any activity grants, this scholarship is reduced commensurately. Students are invited to continue their employment under the college's student employment programs. This is renewable each year.

Trustee Grants: When an employee has worked full time at Southwestern for at least two years, trustee grants to cover a substantial part of tuition are available for that employee's spouse and unmarried dependent children if they enroll as undergraduate students at the college.

Federal Aid

Federal Grants

Federal Pell Grants: This federal program provides nonrepayable grants of up to \$4,050 to students who are eligible as determined by the Free Application for Federal Student Aid. The result of the application is used by the Financial Aid Office to determine the amount of the Federal Pell Grant to be awarded. Students wishing to apply for any other federal aid programs are required to apply for a Pell Grant first.

Federal Supplemental Educational Opportunity Grants (FSEOG): This

federal grant program provides funds for students with the highest financial need. Priority is given to students who are eligible for a Federal Pell Grant. The minimum grant award is \$100; the maximum possible is \$4,000.

Federal Loans

The federal program offers a variety of student loans. The student is under full obligation to repay the loans.

Federal Subsidized Stafford/Direct Loans: Subsidized loans are for students demonstrating financial need. The federal government pays the interest for the student while the student is enrolled and during the six month grace period after graduation. Maximums vary, according to the student's grade level.

Federal Unsubsidized Stafford/Direct Loans: Unsubsidized loans are available to students who do not demonstrate financial need. It is the same as the Subsidized Stafford Loan except the student is responsible for the interest while enrolled and during the six month grace period.

Federal Perkins Loans: The Perkins Loan is intended for the students with the highest need. It is subsidized by the federal government while the student is enrolled and during the nine month grace period after graduation.

Federal Parent Loan for Undergraduate Students (PLUS): The PLUS loan is for the parents of a dependent student who may need additional resources. Repayment begins immediately after the disbursement of the loan.

State of Kansas

The State of Kansas offers several scholarships to Kansas residents. They include the Kansas Comprehensive Grant, the Kansas State Scholarship, the Kansas Minority Scholarship, the Kansas Teachers Scholarship, and the Kansas Nursing Scholarship. Each scholarship has its own criteria and application procedures. Ask the Financial Aid Office for current information.

Additional Aid

United Methodist Church Scholarships: Several scholarships are available through the United Methodist Church for students who are members. Information and applications are available in the Financial Aid Office.

United Methodist Student Loans: These loans are available to students who are members, and have been for at least one year, of a United Methodist Church. Information and applications are available in the Financial Aid Office.

Civic and Business Scholarships: In many local communities there are scholarships provided each year by various civic and business organizations to children, citizens, and employees.

Veterans Administration: VA benefits are available to students who are in the reserves, who are veterans, or who are dependents of veterans. Information is available in the Financial Aid Office or from your local Veterans Administration office.

Internet Resources: Southwestern receives notifications of several different scholarships from time to time. This in-

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formation is kept updated on the school's Web site. Southwestern provides an internet link to fastweb.com which provides a scholarship search along with general financial aid information. Other helpful, informational Web sites include www.ed.gov/studentaid; www.nasfaa.org; www.finaid.org.

State Assistance: Students from states other than Kansas should contact the financial aid office for their state. It can be the case that state assistance is available and can be transferred. Contact the financial aid office for information.

BIA: The Bureau of Indian Affairs provides grants for students who are at least one-fourth American Indian, Eskimo, or Aleut as defined by the bureau. The amount of the grant is based on financial need and availability of funds from the area agency. Students must submit a BIA application for financial aid and supportive documents. Close contact should be kept with the BIA agency to insure that the student has completed everything required. A student who is a member of a tribe should also contact the tribal office for any scholarships available.

Student Employment

Student employment is available through the Federal College Work Study program to students who demonstrate financial need and wish to work part time. Other student employment is available on a limited basis to students who do not qualify for Federal College Work Study.

Aid for Study Abroad

Southwestern students may be able to continue receiving some forms of financial aid while studying abroad. State and federal scholarships, grants, and loans are normally available for legitimate study away from campus. Southwestern scholarships can also be continued with limitations.

The limitations on Southwestern scholarships are these: The student's program must be approved by the dean's office; scholarships may be continued for not more than two semesters of off-campus study; and premier scholarships (Mastin, Beech, McNeish, Dixon, and presidential) are reduced to \$5,000. Additionally, if a student is receiving scholarships from the school being visited or from programs established to encourage study abroad, Southwestern reserves the right to adjust its aid based on the amount being received from those sources.

Aid for International Students

Southwestern offers two scholarship programs for international students.

Bishop's Scholarships: Bishop's Scholarships are in the amount of \$7,000-\$9,000 annually depending on a student's financial need. These are renewable for up to four years as long as the student maintains a GPA of 2.0 or better. Each year the director of admission awards up to five Bishop's Scholarships. Persons seeking this scholarship must submit a letter of recommendation from the Methodist bishop of their country or from Southwestern College's bishop in residence. Final selection and approval

for this scholarship is made by the director of admission. Recommended students must show a TOEFL score of 550 or better. Recipients must live on campus and will not be eligible for further Southwestern financial aid.

International Student Scholarships: International Student Scholarships are for \$4,000 annually and are renewable for up to four years, as long as the student maintains a GPA of 2.0 or better. Students wishing to receive this scholarship must show a TOEFL score of 550 or better before admission. These scholarships are offered in lieu of an academic scholarship. International students who participate in Southwestern's activity areas may also receive grants from those programs, or receive other grants for which they are eligible. The international grant does not require students to live on campus.

For More Information

For application forms or more information concerning any of the financial aid programs described in this section, please write or call:

Office of Financial Aid
Southwestern College
100 College
Winfield, Kansas 67156-2499
Phone: (620) 229-6215
e-mail: finaid@sckans.edu

Campus Facilities

Christy Administration Building

Christy Administration Building houses administrative offices; English, foreign language, speech, computer science and digital arts, and communication departments; classrooms; 700-seat Richardson Auditorium; Helen Graham Little Theatre; campus radio and television studios, and the computer information center.

Memorial Library

Memorial Library contains 65,000 volumes, 300 periodicals subscriptions, an On-Line Public Access Catalog (OPAC), and access to full-text databases.

Inter-institutional library exchanges provide additional resources. The Kansas Information Network union list shows materials available for loan within the state and the OCLC terminal shows materials available from 3,200 universities, colleges, and research libraries throughout the U.S.

The Center for Academic Technology (CAT) is located on the second floor. Resources and support for computing assisted learning is provided there for students and faculty.

Wroten Hall

Wroten includes a large classroom/multipurpose room and the religion/philosophy department. Chapel is held in Wroten Hall.

Beech Science Center

Beech Science Center and Mabee Laboratory Complex includes an undergraduate research lab, two introductory

biology labs, a cellular biology lab, general and organic chemistry labs, introductory and advanced physics labs, a lecture hall, conference room, library, science education room, and offices for faculty and the science center receptionist. The building, completed in 1998, is west of and linked to Mossman Hall.

Mossman Hall

Remodeled in 2002, Mossman houses the social science, business, nursing, and leadership programs. Educational spaces include labs, classrooms, and study areas. Faculty offices for the departments are also included.

Darbeth Fine Arts Center

Music, theatre, and art are housed in this complex that includes Messenger Recital Hall, studios, rehearsal halls, classrooms, offices, and practice rooms.

Center for Teaching Excellence

The home of Southwestern's teacher education program, this facility is located across College Street from the main campus. It includes offices, a classroom, and a resource room in the main facility, and a preschool laboratory in an adjoining mobile building.

Stewart Field House

The home of countless basketball and volleyball games since 1924, Stewart is the college's second oldest building. The facility houses an indoor arena, athletic offices, locker rooms, weight and training rooms, and concession stand. A renovation completed in 1998 provided a new

entry to the south, the replacement of all windows (including a memorial stained glass window), a new arena floor and bleachers, and renovated locker rooms.

Frank A. White Physical Education Building

Constructed in 1968, this building houses a swimming pool, a small gymnasium, offices, and classrooms.

Sonner Stadium

These facilities for football and track include seating for 3,000 spectators. Monypeny Track, Kahler Field, and Caywood Special Events Area are a part of this complex. A soccer field is located east of the stadium, as is the football practice field. The Hower/Cooper Tennis Courts are nearby.

Roy L. Smith Student Center

The student center has a cafeteria and snack bar, the bookstore, campus mail center, offices for student organizations, and meeting rooms.

Welcome Center

Located at the foot of the 77 steps, the welcome center houses the Office of Admission and is used for receptions and other festive events.

Residence Halls

Living options include four residence halls and four apartment buildings on campus. Sutton, Wallingford, Broadhurst, and Cole halls are traditional residence halls. Shriwise, Honor, Reid, and Warren Avenue apartments house from one to four students in each unit. All campus housing is air conditioned and provides phone, cable, and computer network hookups for each student.

Ruth Warren Abbott Laboratories

Built in 1971 to serve as a classroom for courses in floriculture, the original greenhouse was increased in 1996.

Dixon Operations Center

This 1977 building houses offices, workshops, and storage for the plant operations staff as well as a dispatching center for the custodial crew and campus security.

Professional Studies Centers

Southwestern's degree completion programs are housed off campus in downtown Winfield and three locations in Wichita.

Rosters

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Tamera L. Pullins, M.Ed., Associate Dean of Students

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Horsefeathers and Applesauce Summer Dinner Theatre Program. B.A., Southwestern College; M.A., Emporia State University.

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Christopher A. Shields, 2002. Assistant Football Coach. B.S., Southwestern College.

Timothy R. Shook, 1988. Associate Professor of Music. B.Mus., Kansas State University; M.Mus., Wichita State University; Ph.D., University of Oklahoma.

Phyllis Shultz, 1999. Assistant Professor of Nursing. B.S.N., Southwestern College; M.S.N., Wichita State University.

E. Sue Simmons, 2000. Director of Conferences and Summer Programs. Director of Human Resources.

Robert M. Smith, 1995. Systems Analyst/Programmer. B.S., Southwestern College.

Dawn D. Spielman, 2001. Assistant Director of Resident Life. Director of Student Support Services. B.A., Bethany College.

Denise A. Stephens, 2000. Administrative Assistant, Institutional Advancement.

William L. Stephens, 1969. Special Assistant to the Director of Athletics. B.A., Southwestern College; M.S., Pittsburg State University.

Tracy L. Stober, 2001. Program Representative, Professional Studies. B.A.,

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New Mexico State University; M.B.A., Southwestern College.

Stacey L. Strickland, 2003. Serials and Student Assistance Librarian. B.A., Southwestern College.

Wei Shen Szetho, 2003. International Student Adviser. B.B.A., Southwestern College.

Sheleah D. Taylor, 2002. Admission Counselor. B.B.A., Southwestern College.

Michael R. Tessmer, 1998. Assistant Professor of Chemistry. B.S., Mankato State University; Ph.D., University of Minnesota.

Lou E. Tharp, 1975. Faculty Assistant.

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Xavier Whitaker, 2004. Director of Campus Life. B.S., Southwestern College; M.A., Friends University.

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Michael D. Wilder, 1978. Professor of Music. Chair, Performing Arts Division. Chair, Music Department. Coordinator, Integrative Studies Creativity Program. B.Mus., Iowa State University; M.Mus., Ph.D., University of Michigan.

Stephen K. Wilke, 1990. Vice President for Enrollment Management, Planning, and New Programs. Associate Professor of Psychology. B.A., Southwestern College; M.A., Ph.D., California School of Professional Psychology.

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Robert Wimmer, 1959. Liaison to the Science Advisory Council. B.A., College of Emporia; M.S., Emporia State University; Ph.D., Oklahoma State University.

Michael J. Wood Sr., 2002. Assistant Professor of Business and Finance. Chair, Business Division. B.A., M.B.A., University of Northern Iowa.

Stephen M. Woodburn, 2003. Assistant Professor of History. B.A., Wheaton College; M.A., Ph.D., Miami University (Ohio).

Rodney M. Worsham, 1994. Associate Director of Admission. B.S., Cameron University; M.S.M., Friends University.

Sharon K. Wright, 1993. Administrative Assistant to the President and the Vice President for Academic Affairs and Dean of Faculty.

Appendix A: Title II Compliance

Southwestern College is in compliance with federal regulations on disbursement of Title II information. The Title II report may be accessed at cat.sckans.edu/education or requested from:

Vickie Henderson
 Center for Teaching Excellence
 Southwestern College
 100 College
 Winfield, KS 67156
 1-800-846-1543 Ext. 6253
 620-229-6253
 vhenders@sckans.edu

Performance of Completers, Teacher Preparation Program

Section I. Pass Rates					
Single-Assessment Institution-Level Pass-Rate Data					
Regular Teacher Preparation Program					
Institution Name: Southwestern College					
Academic year: 2002-2003					
Number of program completers: 26					
Type of Assessment	Assessment Code Number	Number taking assessment	Number passing assessment	Institutional pass rate	State-wide pass rate
<i>Professional Knowledge</i>	PK or PLT				
Assessment 1	0520 PK	17	17	100	98
Assessment 2	0522 PLT K-6				
Assessment 3	0523 PLT 5-9				
Assessment 4	0524 PLT 7-12	9	8	88	96

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Notice of Nondiscrimination

Southwestern College is committed to a policy of nondiscrimination on the basis of race, gender, color, age, sexual orientation, religion, national origin, ethnic origin, or physical disability, veteran (including Vietnam era) status, or other non-merit reasons, in hiring, admissions, and educational programs or activities, all as required by applicable laws and regulations. The college also practices affirmative action in hiring. Responsibility for coordination of compliance efforts and receipt of inquiries, including those concerning the Civil Rights Act of 1960, the Age Discrimination in Employment Act of 1975, Title IX of the Education Amendments of 1972, and Section 504 of the Rehabilitation Act of 1973, the Vietnam Era Veterans' Readjustment Assistance Act of 1974, the Americans with Disabilities Act of 1990, and other related federal, state, and local legislation, executive orders, regulations, and guidelines has been delegated to the director of human resources, Sue Simmons, Southwestern College, 100 College, Winfield, KS 67156, telephone (620) 229-6141.

Persons with questions or concerns regarding this policy may contact Sue Simmons, director of human resources, or Martha Butler, professor of nursing.

Disclaimer and Compliance Statements

While Southwestern College reserves the right to make changes in its calendar, policies, regulations, fees, prices, and curriculum, the information in this catalog accurately reflects policy and states progress requirements for graduation effective August 2001.

The college complies with the provisions of the Family Education Rights and Privacy Act of 1974. This act, as it applies to institutions of higher learning, ensures that students have access to certain records that pertain to them and that unauthorized persons do not have access to such records. A full statement of Southwestern policy regarding the implementation of the act is available upon request to the registrar. Southwestern College's policy of nondiscrimination is in conformity with applicable federal laws and regulations.