Emergency Medical Science, AAS

The Emergency Medical Science - Paramedic program consists of ten courses, including a clinical rotation in a hospital setting and a field internship with an ambulance service. Students learn emergency procedures such as cardiac monitoring and defibrillation and the administration of medications and IV fluids. Successful completion of this program and subsequent credential exams will enable graduates to work as skilled paramedics and to provide sophisticated, advanced pre-hospital life support.

JCCC's Paramedic program is accredited by the Committee on Accreditation of Educational Programs for the EMS Professions (CoAEMSP).

This is a selective admission program with limited enrollment. Applicants must be an EMT or eligible for their license and complete the required general education coursework prior to acceptance into the program. Students in the program take classes in the spring, summer, and fall with program completion in December.

Students successfully completing this program with a "C" or higher in required EMS coursework will be allowed to sit for the credential examinations administered by the Kansas Board of Emergency Medical Services.

(Major Code 248A; CIP Code 51.0904)

Emergency Medical Science Program web page (http://www.jccc.edu/academics/credit/emergency-medical-science/)

Program Learning Outcomes

Johnson County Community College (JCCC) is committed to offering high-quality affordable programs that focus on developing knowledge and skills conducive to life-long learning. Both the General Education Student Learning Outcomes (https://www.jccc.edu/about/leadership-governance/administration/institutional-effectiveness-branch/outcomes-assessment/learning-outcomes.html) and Institutional Learning Outcomes (https://www.jccc.edu/about/leadership-governance/administration/institutional-effectiveness-branch/outcomes-assessment/institutional-learning-outcomes.html) convey JCCC's approach to programmatic outcomes. Additionally, students who successfully complete the Emergency Medical Science, AAS from JCCC will be able to:

- Synthesize clinical knowledge with scene and patient information to adapt to dynamic circumstances, delegate tasks, and manage resources for optimal patient care.
- Integrate comprehensive assessments and medical knowledge to formulate differential diagnoses and precise, evidence-based treatment plans.
- Manage EMS operations to ensure quality care, safe transport, and the safety of patients, the public, personnel, and responders during emergencies.
- Conduct thorough assessments, integrate findings to make informed clinical decisions, plan and implement interventions, and adjust treatments based on patient outcomes.
- Develop unbiased, culturally sensitive communication strategies to improve patient outcomes, demonstrating professionalism and advocating effectively for patients.
- Safely demonstrate all required psychomotor skills according to EMS standards, prioritizing safety for patients, self, and team members.
- Uphold ethical standards, demonstrating empathy, professionalism, and effective communication, while contributing positively to team dynamics and public health efforts.
- Implement and evaluate interventions, adjust care plans as necessary, and reflect on decision-making processes to enhance critical thinking and professional growth.
- Accurately document all assessments, interventions, and clinical decisions to create comprehensive patient records that facilitate continuity of care.
- Operate efficiently as both a team member and a leader, promoting effective team dynamics and ensuring coordinated patient care.

Associate of Applied Science Degree

General Education Requirements

Code	Title	Hours
BIOL 144	Human Anatomy and Physiology (SGE[040]) (SGE[070])	5
Note: BIOL 140 and BIOL 225 will fulfill BIOL 144 and Mathematics & Sciences Elective requirements.		
ENGL 121	Composition I[*] (SGE[010])	3
or ENGL 119	College Composition I with Review[*] (SGE[010])	
Arts & Humanities Elective [^]		3
Mathematics & Sciences Elective [^]		3

Social & Behavioral Sciences Elective ^	3
Total Hours	**17**

Summer Semester

Code	Title	Hours
EMS 221	Paramedic I - Human Systems*	3
Total Hours		**3**

Fall Semester

Code	Title	Hours
EMS 226	Paramedic II - Patient Assessment and Pharmacology*	3
EMS 231	Paramedic III - Cardiology*	3
EMS 235	Paramedic IV - Medical Emergencies 1*	3
Total Hours		**9**

Spring Semester

Code	Title	Hours
EMS 240	Paramedic V - Medical Emergencies 2*	3
EMS 245	Paramedic VI - Trauma*	3
Total Hours		**6**

Summer Semester

Code	Title	Hours
EMS 250	Paramedic VII - Clinicals 1*	6
EMS 255	Paramedic VIII - Clinicals 2*	6
Total Hours		**12**

Fall Semester

Code	Title	Hours
EMS 260	Paramedic IX- Field Internship 1*	8
EMS 272	Paramedic X - Field Internship 2*	8
Total Hours		**16**

Total Program Hours: 63

* This course has registration requirements.
^ See all AAS general education electives (https://catalog.jccc.edu/degreerequirements/associate-applied-science/).

Kansas Systemwide General Education (SGE) Key

- English SGE 010
- Communications SGE 020
- Mathematics and Statistics SGE 030
- Natural and Physical Sciences SGE 040
- Social and Behavioral Sciences SGE 050
- Arts and Humanities SGE 060
- Cavalier Credits SGE 070

JCCC General Education Requirements

English and Communications, Associate of Applied Science (3 hrs.)

Code	Title	Hours
ENGL 121	Composition I* (SGE[010])	3
or ENGL 119	College Composition I with Review* (SGE[010])	
If your specific degree program requires a communications elective, select one from the following:		3
COMS 120	Interpersonal Communication (SGE[020]) (SGE[070])	
COMS 121	Public Speaking (SGE[020]) (SGE[070])	
COMS 125	Personal Communication (SGE[020]) (SGE[070])	
ENGL 122	Composition II* (SGE[010]) (SGE[070])	
ENGL 123	Technical Writing I* (SGE[060]) (SGE[070])	
ENGL 140	Writing for Digital Environments* (SGE[060]) (SGE[070])	

Arts and Humanities, Associate of Applied Science (3 hrs.)

Code	Title	Hours
ART		
ART 124	Design 2D (SGE[060]) (SGE[070])	3
ART 127	Design 3D* (SGE[060]) (SGE[070])	3
ART 130	Drawing I (SGE[060]) (SGE[070])	3
Art History		
ARTH 180	Art History: Ancient to Medieval (SGE[060]) (SGE[070])	3
ARTH 182	Art History: Renaissance to Modern (SGE[060]) (SGE[070])	3
ARTH 184	Art History: Twentieth Century (SGE[060]) (SGE[070])	3
ARTH 188	History of Photography (SGE[060]) (SGE[070])	3
ARTH 200	Women, Art, and Society (SGE[060]) (SGE[070])	3
Communications		
COMS 180	Intercultural Communication (SGE[060]) (SGE[070])	3
English		
English (Literature)		
ENGL 130	Introduction to Literature* (SGE[060]) (SGE[070])	3
ENGL 214	Environmental Literature* (SGE[060]) (SGE[070])	3
ENGL 215	U.S. Latino and Latina Literature* (SGE[060]) (SGE[070])	3
ENGL 216	African-American Literature* (SGE[060]) (SGE[070])	3
ENGL 217	Literature by Women* (SGE[060]) (SGE[070])	3
ENGL 227	Introduction to Poetry* (SGE[060]) (SGE[070])	3
ENGL 230	Introduction to Fiction* (SGE[060]) (SGE[070])	3
ENGL 232	Children's Literature* (SGE[060]) (SGE[070])	3
ENGL 235	Drama as Literature* (SGE[060]) (SGE[070])	3
ENGL 236	British Literature to 1800* (SGE[060]) (SGE[070])	3
ENGL 237	British Literature after 1800* (SGE[060]) (SGE[070])	3
ENGL 246	American Literature I* (SGE[060]) (SGE[070])	3
ENGL 247	American Literature II* (SGE[060]) (SGE[070])	3
ENGL 252	Introduction to Shakespeare* (SGE[060]) (SGE[070])	3
ENGL 254	Masterpieces of the Cinema* (SGE[060]) (SGE[070])	3
English (Writing)		
ENGL 222	Advanced Composition: The Art of the Essay* (SGE[060]) (SGE[070])	3
ENGL 223	Introduction to Creative Writing* (SGE[060]) (SGE[070])	3
ENGL 257	Generative AI and The Future of Writing* (SGE[060]) (SGE[070])	3
Fashion Merchandising/Design		

FASH 224	History of Fashion (SGE[060]) (SGE[070])	3
Film and Media Studies		
FMS 100	Intro to Film (SGE[060]) (SGE[070])	3
FMS 200	Intro to Filmmaking and Media Aesthetics (SGE[060]) (SGE[070])	3
Foreign Languages		
FL 120	Elementary German I (SGE[060]) (SGE[070])	5
FL 121	Elementary German II* (SGE[060]) (SGE[070])	5
FL 130	Elementary Spanish I (SGE[060]) (SGE[070])	5
FL 131	Elementary Spanish II* (SGE[060]) (SGE[070])	5
FL 140	Elementary French I (SGE[060]) (SGE[070])	5
FL 141	Elementary French II* (SGE[060]) (SGE[070])	5
FL 165	Elementary Chinese I (SGE[060]) (SGE[070])	5
FL 166	Elementary Chinese II* (SGE[060]) (SGE[070])	5
FL 170	Elementary Japanese I (SGE[060]) (SGE[070])	5
FL 171	Elementary Japanese II* (SGE[060]) (SGE[070])	5
FL 182	Intermediate Japanese I* (SGE[060]) (SGE[070])	5
FL 183	Intermediate Japanese II* (SGE[060]) (SGE[070])	5
FL 220	Intermediate German I* (SGE[060]) (SGE[070])	3
FL 221	Intermediate German II* (SGE[060]) (SGE[070])	3
FL 230	Intermediate Spanish I* (SGE[060]) (SGE[070])	3
FL 231	Intermediate Spanish II* (SGE[060]) (SGE[070])	3
FL 240	Intermediate French I* (SGE[060]) (SGE[070])	3
FL 241	Intermediate French II* (SGE[060]) (SGE[070])	3
FL 265	Intermediate Chinese I* (SGE[060]) (SGE[070])	3
FL 266	Intermediate Chinese II* (SGE[060]) (SGE[070])	3
History		
HIST 120	Local and Kansas History (SGE[060]) (SGE[070])	3
HIST 125	Western Civilization: Ancient World to the Renaissance (SGE[060]) (SGE[070])	3
HIST 126	Western Civilization: Scientific Revolution to the Modern Age (SGE[060]) (SGE[070])	3
HIST 128	Medieval History (SGE[060]) (SGE[070])	3
HIST 129	Early Modern Europe 1500-1789 (SGE[060]) (SGE[070])	3
HIST 130	European History Since 1789 (SGE[060]) (SGE[070])	3
HIST 132	History of Africa (SGE[060]) (SGE[070])	3
HIST 135	Eastern Civilization (SGE[060]) (SGE[070])	3
HIST 137	African American History (SGE[060]) (SGE[070])	3
HIST 140	U.S. History to 1877 (SGE[060]) (SGE[070])	3
HIST 141	U.S. History Since 1877 (SGE[060]) (SGE[070])	3
HIST 143	Ancient Greece, the Near East and Egypt (SGE[060]) (SGE[070])	3
HIST 145	History of Ancient Rome (SGE[060]) (SGE[070])	3
HIST 149	History of India (SGE[060]) (SGE[070])	3
HIST 150	Islam: Religion and Civilization (SGE[060]) (SGE[070])	3
HIST 151	World History: Traditional (SGE[060]) (SGE[070])	3
HIST 152	World History: Modern World (SGE[060]) (SGE[070])	3
HIST 160	Modern Russian History (SGE[060]) (SGE[070])	3
HIST 162	Modern Latin America (SGE[060]) (SGE[070])	3
HIST 165	History of China (SGE[060]) (SGE[070])	3
HIST 167	History of Japan (SGE[060]) (SGE[070])	3
HIST 180	North American Indian History (SGE[060]) (SGE[070])	3
HIST 195	History of the Middle East (SGE[060]) (SGE[070])	3

HIST 200	Empires of the Silk Road (SGE[060]) (SGE[070])	3
HIST 210	Environmental History of North America (SGE[060]) (SGE[070])	3
HIST 250	American West (SGE[060]) (SGE[070])	3
HIST 260	Women in U.S. History (SGE[060]) (SGE[070])	3
Humanities		
HUM 122	Introduction to Humanities (SGE[060]) (SGE[070])	3
HUM 145	World Humanities: Ancient to Medieval (SGE[060]) (SGE[070])	3
HUM 146	World Humanities: Renaissance to Modern (SGE[060]) (SGE[070])	3
HUM 150	Islam: Religion and Civilization (SGE[060]) (SGE[070])	3
HUM 155	Classical Mythology (SGE[060]) (SGE[070])	3
HUM 156	Contemporary Approaches to World Mythology (SGE[060]) (SGE[070])	3
HUM 165	Introduction to Chinese Culture (SGE[060]) (SGE[070])	3
HUM 167	Introduction to Japanese Culture (SGE[060]) (SGE[070])	3
Journalism		
JOUR 120	Mass Media and Society (SGE[060]) (SGE[070])	3
Music		
MUS 121	Introduction to Music Listening (SGE[060]) (SGE[070])	3
MUS 125	Introduction to Jazz Listening (SGE[060]) (SGE[070])	3
MUS 126	Introduction to World Music (SGE[060]) (SGE[070])	3
MUS 128	History of Rock and Roll Music (SGE[060]) (SGE[070])	3
Religion		
REL 120	Exploring World Religions (SGE[060]) (SGE[070])	3
REL 125	Asian Religions (SGE[060]) (SGE[070])	3
REL 126	Religions of the West (SGE[060]) (SGE[070])	3
REL 150	Islam: Religion and Civilization (SGE[060]) (SGE[070])	3
Philosophy		
PHIL 121	Introduction to Philosophy (SGE[060]) (SGE[070])	3
PHIL 124	Logic and Critical Thinking (SGE[060]) (SGE[070])	3
PHIL 128	Environmental Ethics (SGE[060]) (SGE[070])	3
PHIL 130	Food Ethics (SGE[060]) (SGE[070])	3
PHIL 143	Ethics (SGE[060]) (SGE[070])	3
PHIL 154	History of Ancient Philosophy (SGE[060]) (SGE[070])	3
PHIL 176	Philosophy of Religion (SGE[060]) (SGE[070])	3
PHIL 177	Feminist Theory (SGE[060]) (SGE[070])	3
Photography		
PHOT 200	Foundations in Photography (SGE[060]) (SGE[070])	3
Theater		
THEA 120	Introduction to Theater (SGE[060]) (SGE[070])	3

Social and Behavioral Sciences, Associate of Applied Science (3 hrs.)

Code	Title	Hours
Anthropology		
ANTH 125	Cultural Anthropology (SGE[050]) (SGE[070])	3
ANTH 126	Physical Anthropology (SGE[050]) (SGE[070])	3
ANTH 130	World Cultures (SGE[050]) (SGE[070])	3
ANTH 142	World Prehistory (SGE[050]) (SGE[070])	3
ANTH 165	Linguistic Anthropology (SGE[050]) (SGE[070])	3
Criminal Justice		
CJ 121	Introduction to Criminal Justice System (SGE[050]) (SGE[070])	3
CJ 141	Criminal Law (SGE[050]) (SGE[070])	3

CJ 223	International Criminal Justice Systems (SGE[050]) (SGE[070])	3
Economics		
ECON 132	Survey of Economics (SGE[050]) (SGE[070])	3
ECON 230	Principles of Macroeconomics (SGE[050]) (SGE[070])	3
ECON 231	Principles of Microeconomics (SGE[050]) (SGE[070])	3
Geoscience		
GEOS 145	World Regional Geography (SGE[050]) (SGE[070])	3
GEOS 155	Human Geography (SGE[050]) (SGE[070])	3
Legal Studies		
LAW 120	Introduction to Paralegal Studies (SGE[050]) (SGE[070])	3
LAW 121	Introduction to Law (SGE[050]) (SGE[070])	3
LAW 155	Artificial Intelligence and the Law (SGE[050]) (SGE[070])	2-3
Political Science		
POLS 122	Political Science (SGE[050]) (SGE[070])	3
POLS 124	American National Government (SGE[050]) (SGE[070])	3
POLS 126	State and Local Government (SGE[050]) (SGE[070])	3
POLS 132	Introduction to Comparative Government (SGE[050]) (SGE[070])	3
POLS 135	International Relations (SGE[050]) (SGE[070])	3
POLS 175	Environmental Policy and Law (SGE[050]) (SGE[070])	3
POLS 192	Political Theory (SGE[050]) (SGE[070])	3
POLS 200	Model United Nations (SGE[050]) (SGE[070])	3
POLS 220	Introduction to Public Policy (SGE[050]) (SGE[070])	3
POLS 245	Introduction to Public Administration (SGE[050]) (SGE[070])	3
Psychology		
PSYC 121	Applied Psychology (SGE[050]) (SGE[070])	3
PSYC 130	Introduction to Psychology (SGE[050]) (SGE[070])	3
PSYC 215	Child Development[*] (SGE[050]) (SGE[070])	3
PSYC 218	Human Development[*] (SGE[050]) (SGE[070])	3
Sociology		
SOC 122	Introduction to Sociology (SGE[050]) (SGE[070])	3
SOC 125	Social Problems (SGE[050]) (SGE[070])	3
SOC 131	Sociology of Families (SGE[050]) (SGE[070])	3
SOC 146	Introduction to Social Work and Social Welfare (SGE[050]) (SGE[070])	3
Gender and Ethnic Studies		
WGS 201	Global Women's Studies (SGE[050]) (SGE[070])	3

Mathematics and Sciences, Associate of Applied Science (3 hrs.)

Code	Title	Hours
Mathematics		
MATH 120	Business Mathematics[*]	3
MATH 130	Technical Mathematics I[*]	3
MATH 131	Technical Mathematics II[*]	3
MATH 151	Contemporary Mathematics[*] (SGE[030]) (SGE[070])	3
MATH 161	Elementary Statistics[*)] (SGE[030]) (SGE[070])	3
MATH 171	College Algebra[*] (SGE[030]) (SGE[070])	3
MATH 172	Trigonometry[*] (SGE[070])	3
MATH 173	Precalculus[*] (SGE[070])	5
MATH 201	Statistics[*] (SGE[070])	3
MATH 231	Business and Applied Calculus I[*] (SGE[070])	3
MATH 232	Business and Applied Calculus II[*] (SGE[070])	3

MATH 241	Calculus I* (SGE[070])	5
MATH 242	Calculus II* (SGE[070])	5
MATH 243	Calculus III* (SGE[070])	5
MATH 254	Differential Equations* (SGE[070])	4
MATH 285	Statistics for Business* (SGE[070])	4
Life Science		
BIOL 121	Introductory Biology for Non-Majors (SGE[040]) (SGE[070])	4
BIOL 125	General Botany (SGE[040]) (SGE[070])	5
BIOL 127	General Zoology (SGE[040]) (SGE[070])	5
BIOL 135	Principles of Cell and Molecular Biology (SGE[040]) (SGE[070])	4
BIOL 140	Human Anatomy (SGE[040]) (SGE[070])	4
BIOL 144	Human Anatomy and Physiology (SGE[040]) (SGE[070])	5
BIOL 150	Biology of Organisms* (SGE[040]) (SGE[070])	5
BIOL 161	Introduction to Biotechnology (SGE[040]) (SGE[070])	4
BIOL 225	Human Physiology* (SGE[040]) (SGE[070])	4
BIOL 230	Microbiology* (SGE[040]) (SGE[070])	3
BIOL 231	Microbiology Lab* (SGE[040]) (SGE[070])	2
EVRN 124	Oceanus: Essentials of Oceanography (SGE[070])	3
EVRN 130	Environmental Science (SGE[040]) (SGE[070])	3
EVRN 132	Environmental Science Laboratory* (SGE[040]) (SGE[070])	2
EVRN 134	Principles of Sustainability (SGE[070])	3
EVRN 250	Bioethics in Science and Research* (SGE[070])	3
EVRN 275	Nature, Law, and Environmental Protection* (SGE[070])	3
Physical Science		
ASTR 120	Fundamentals of Astronomy (SGE[070])	3
ASTR 122	Astronomy (SGE[040]) (SGE[070])	4
CHEM 120	Chemistry in Society (SGE[040]) (SGE[070])	4
CHEM 122	Principles of Chemistry (SGE[040]) (SGE[070])	5
CHEM 124	General Chemistry I Lecture* (SGE[040]) (SGE[070])	4
CHEM 125	General Chemistry I Lab* (SGE[040]) (SGE[070])	1
CHEM 131	General Chemistry II Lecture* (SGE[040]) (SGE[070])	4
CHEM 132	General Chemistry II Lab* (SGE[040]) (SGE[070])	1
CHEM 140	Principles of Organic & Biological Chemistry* (SGE[040]) (SGE[070])	5
ENGR 121	Engineering Orientation (SGE[070])	2
GEOS 130	General Geology (SGE[040]) (SGE[070])	5
GEOS 140	Physical Geography (SGE[040]) (SGE[070])	3
GEOS 141	Physical Geography Lab* (SGE[040]) (SGE[070])	2
GEOS 160	Introduction to Meteorology (SGE[040]) (SGE[070])	5
PHYS 130	College Physics I* (SGE[040]) (SGE[070])	5
PHYS 131	College Physics II* (SGE[040]) (SGE[070])	5
PHYS 220	Engineering Physics I* (SGE[040]) (SGE[070])	5
PHYS 221	Engineering Physics II* (SGE[040]) (SGE[070])	5
PSCI 120	Physical Science (SGE[040]) (SGE[070])	4

Cavalier Credits (3 hrs.)

Code	Title	Hours
ANTH 125	Cultural Anthropology (SGE[050]) (SGE[070])	3
ANTH 126	Physical Anthropology (SGE[050]) (SGE[070])	3
ANTH 130	World Cultures (SGE[050]) (SGE[070])	3
ANTH 142	World Prehistory (SGE[050]) (SGE[070])	3

ANTH 165	Linguistic Anthropology (SGE[050]) (SGE[070])	3
ART 124	Design 2D (SGE[060]) (SGE[070])	3
ART 127	Design 3D[*] (SGE[060]) (SGE[070])	3
ART 130	Drawing I (SGE[060]) (SGE[070])	3
ARTH 180	Art History: Ancient to Medieval (SGE[060]) (SGE[070])	3
ARTH 182	Art History: Renaissance to Modern (SGE[060]) (SGE[070])	3
ARTH 184	Art History: Twentieth Century (SGE[060]) (SGE[070])	3
ARTH 188	History of Photography (SGE[060]) (SGE[070])	3
ARTH 200	Women, Art, and Society (SGE[060]) (SGE[070])	3
ASTR 120	Fundamentals of Astronomy (SGE[070])	3
ASTR 122	Astronomy (SGE[040]) (SGE[070])	4
BIOL 121	Introductory Biology for Non-Majors (SGE[040]) (SGE[070])	4
BIOL 125	General Botany (SGE[040]) (SGE[070])	5
BIOL 127	General Zoology (SGE[040]) (SGE[070])	5
BIOL 135	Principles of Cell and Molecular Biology (SGE[040]) (SGE[070])	4
BIOL 140	Human Anatomy (SGE[040]) (SGE[070])	4
BIOL 144	Human Anatomy and Physiology (SGE[040]) (SGE[070])	5
BIOL 150	Biology of Organisms[*] (SGE[040]) (SGE[070])	5
BIOL 161	Introduction to Biotechnology (SGE[040]) (SGE[070])	4
BIOL 225	Human Physiology[*] (SGE[040]) (SGE[070])	4
BIOL 230	Microbiology[*] (SGE[040]) (SGE[070])	3
BIOL 231	Microbiology Lab[*] (SGE[040]) (SGE[070])	2
CHEM 120	Chemistry in Society (SGE[040]) (SGE[070])	4
CHEM 122	Principles of Chemistry (SGE[040]) (SGE[070])	5
CHEM 124	General Chemistry I Lecture[*] (SGE[040]) (SGE[070])	4
CHEM 125	General Chemistry I Lab[*] (SGE[040]) (SGE[070])	1
CHEM 131	General Chemistry II Lecture[*] (SGE[040]) (SGE[070])	4
CHEM 132	General Chemistry II Lab[*] (SGE[040]) (SGE[070])	1
CHEM 140	Principles of Organic & Biological Chemistry[*] (SGE[040]) (SGE[070])	5
CIS 120	Artificial Intelligence Essentials (SGE[070])	3
CJ 121	Introduction to Criminal Justice System (SGE[050]) (SGE[070])	3
CJ 141	Criminal Law (SGE[050]) (SGE[070])	3
CJ 223	International Criminal Justice Systems (SGE[050]) (SGE[070])	3
COMS 120	Interpersonal Communication (SGE[020]) (SGE[070])	3
COMS 121	Public Speaking (SGE[020]) (SGE[070])	3
COMS 125	Personal Communication (SGE[020]) (SGE[070])	3
COMS 180	Intercultural Communication (SGE[060]) (SGE[070])	3
ECON 132	Survey of Economics (SGE[050]) (SGE[070])	3
ECON 230	Principles of Macroeconomics (SGE[050]) (SGE[070])	3
ECON 231	Principles of Microeconomics (SGE[050]) (SGE[070])	3
ENGL 122	Composition II[*] (SGE[010]) (SGE[070])	3
ENGL 123	Technical Writing I[*] (SGE[060]) (SGE[070])	3
ENGL 130	Introduction to Literature[*] (SGE[060]) (SGE[070])	3
ENGL 140	Writing for Digital Environments[*] (SGE[060]) (SGE[070])	3
ENGL 214	Environmental Literature[*] (SGE[060]) (SGE[070])	3
ENGL 215	U.S. Latino and Latina Literature[*] (SGE[060]) (SGE[070])	3
ENGL 216	African-American Literature[*] (SGE[060]) (SGE[070])	3
ENGL 217	Literature by Women[*] (SGE[060]) (SGE[070])	3
ENGL 222	Advanced Composition: The Art of the Essay[*] (SGE[060]) (SGE[070])	3

ENGL 223	Introduction to Creative Writing* (SGE[060]) (SGE[070])	3
ENGL 227	Introduction to Poetry* (SGE[060]) (SGE[070])	3
ENGL 230	Introduction to Fiction* (SGE[060]) (SGE[070])	3
ENGL 232	Children's Literature* (SGE[060]) (SGE[070])	3
ENGL 235	Drama as Literature* (SGE[060]) (SGE[070])	3
ENGL 236	British Literature to 1800* (SGE[060]) (SGE[070])	3
ENGL 237	British Literature after 1800* (SGE[060]) (SGE[070])	3
ENGL 246	American Literature I* (SGE[060]) (SGE[070])	3
ENGL 247	American Literature II* (SGE[060]) (SGE[070])	3
ENGL 252	Introduction to Shakespeare* (SGE[060]) (SGE[070])	3
ENGL 254	Masterpieces of the Cinema* (SGE[060]) (SGE[070])	3
ENGL 257	Generative AI and The Future of Writing* (SGE[060]) (SGE[070])	3
ENGR 121	Engineering Orientation (SGE[070])	2
EVRN 124	Oceanus: Essentials of Oceanography (SGE[070])	3
EVRN 130	Environmental Science (SGE[040]) (SGE[070])	3
EVRN 132	Environmental Science Laboratory* (SGE[040]) (SGE[070])	2
EVRN 134	Principles of Sustainability (SGE[070])	3
EVRN 250	Bioethics in Science and Research* (SGE[070])	3
EVRN 275	Nature, Law, and Environmental Protection* (SGE[070])	3
FASH 224	History of Fashion (SGE[060]) (SGE[070])	3
FL 120	Elementary German I (SGE[060]) (SGE[070])	5
FL 121	Elementary German II* (SGE[060]) (SGE[070])	5
FL 130	Elementary Spanish I (SGE[060]) (SGE[070])	5
FL 131	Elementary Spanish II* (SGE[060]) (SGE[070])	5
FL 140	Elementary French I (SGE[060]) (SGE[070])	5
FL 141	Elementary French II* (SGE[060]) (SGE[070])	5
FL 165	Elementary Chinese I (SGE[060]) (SGE[070])	5
FL 166	Elementary Chinese II* (SGE[060]) (SGE[070])	5
FL 170	Elementary Japanese I (SGE[060]) (SGE[070])	5
FL 171	Elementary Japanese II* (SGE[060]) (SGE[070])	5
FL 182	Intermediate Japanese I* (SGE[060]) (SGE[070])	5
FL 183	Intermediate Japanese II* (SGE[060]) (SGE[070])	5
FL 220	Intermediate German I* (SGE[060]) (SGE[070])	3
FL 221	Intermediate German II* (SGE[060]) (SGE[070])	3
FL 230	Intermediate Spanish I* (SGE[060]) (SGE[070])	3
FL 231	Intermediate Spanish II* (SGE[060]) (SGE[070])	3
FL 240	Intermediate French I* (SGE[060]) (SGE[070])	3
FL 241	Intermediate French II* (SGE[060]) (SGE[070])	3
FL 265	Intermediate Chinese I* (SGE[060]) (SGE[070])	3
FL 266	Intermediate Chinese II* (SGE[060]) (SGE[070])	3
FMS 100	Intro to Film (SGE[060]) (SGE[070])	3
FMS 200	Intro to Filmmaking and Media Aesthetics (SGE[060]) (SGE[070])	3
GEOS 130	General Geology (SGE[040]) (SGE[070])	5
GEOS 140	Physical Geography (SGE[040]) (SGE[070])	3
GEOS 141	Physical Geography Lab* (SGE[040]) (SGE[070])	2
GEOS 145	World Regional Geography (SGE[050]) (SGE[070])	3
GEOS 155	Human Geography (SGE[050]) (SGE[070])	3
GEOS 160	Introduction to Meteorology (SGE[040]) (SGE[070])	5
HIST 120	Local and Kansas History (SGE[060]) (SGE[070])	3

HIST 125	Western Civilization: Ancient World to the Renaissance (SGE[060]) (SGE[070])	3
HIST 126	Western Civilization: Scientific Revolution to the Modern Age (SGE[060]) (SGE[070])	3
HIST 128	Medieval History (SGE[060]) (SGE[070])	3
HIST 129	Early Modern Europe 1500-1789 (SGE[060]) (SGE[070])	3
HIST 130	European History Since 1789 (SGE[060]) (SGE[070])	3
HIST 132	History of Africa (SGE[060]) (SGE[070])	3
HIST 135	Eastern Civilization (SGE[060]) (SGE[070])	3
HIST 137	African American History (SGE[060]) (SGE[070])	3
HIST 140	U.S. History to 1877 (SGE[060]) (SGE[070])	3
HIST 141	U.S. History Since 1877 (SGE[060]) (SGE[070])	3
HIST 143	Ancient Greece, the Near East and Egypt (SGE[060]) (SGE[070])	3
HIST 145	History of Ancient Rome (SGE[060]) (SGE[070])	3
HIST 149	History of India (SGE[060]) (SGE[070])	3
HIST 150	Islam: Religion and Civilization (SGE[060]) (SGE[070])	3
HIST 151	World History: Traditional (SGE[060]) (SGE[070])	3
HIST 152	World History: Modern World (SGE[060]) (SGE[070])	3
HIST 160	Modern Russian History (SGE[060]) (SGE[070])	3
HIST 162	Modern Latin America (SGE[060]) (SGE[070])	3
HIST 165	History of China (SGE[060]) (SGE[070])	3
HIST 167	History of Japan (SGE[060]) (SGE[070])	3
HIST 180	North American Indian History (SGE[060]) (SGE[070])	3
HIST 195	History of the Middle East (SGE[060]) (SGE[070])	3
HIST 200	Empires of the Silk Road (SGE[060]) (SGE[070])	3
HIST 210	Environmental History of North America (SGE[060]) (SGE[070])	3
HIST 250	American West (SGE[060]) (SGE[070])	3
HIST 260	Women in U.S. History (SGE[060]) (SGE[070])	3
HUM 122	Introduction to Humanities (SGE[060]) (SGE[070])	3
HUM 145	World Humanities: Ancient to Medieval (SGE[060]) (SGE[070])	3
HUM 146	World Humanities: Renaissance to Modern (SGE[060]) (SGE[070])	3
HUM 150	Islam: Religion and Civilization (SGE[060]) (SGE[070])	3
HUM 155	Classical Mythology (SGE[060]) (SGE[070])	3
HUM 156	Contemporary Approaches to World Mythology (SGE[060]) (SGE[070])	3
HUM 165	Introduction to Chinese Culture (SGE[060]) (SGE[070])	3
HUM 167	Introduction to Japanese Culture (SGE[060]) (SGE[070])	3
JOUR 120	Mass Media and Society (SGE[060]) (SGE[070])	3
LAW 120	Introduction to Paralegal Studies (SGE[050]) (SGE[070])	3
LAW 121	Introduction to Law (SGE[050]) (SGE[070])	3
LAW 155	Artificial Intelligence and the Law (SGE[050]) (SGE[070])	2-3
MATH 151	Contemporary Mathematics* (SGE[030]) (SGE[070])	3
MATH 161	Elementary Statistics* (SGE[030]) (SGE[070])	3
MATH 171	College Algebra* (SGE[030]) (SGE[070])	3
MATH 172	Trigonometry* (SGE[070])	3
MATH 173	Precalculus* (SGE[070])	5
MATH 201	Statistics* (SGE[070])	3
MATH 231	Business and Applied Calculus I* (SGE[070])	3
MATH 232	Business and Applied Calculus II* (SGE[070])	3
MATH 241	Calculus I* (SGE[070])	5
MATH 242	Calculus II* (SGE[070])	5
MATH 243	Calculus III* (SGE[070])	5

MATH 254	Differential Equations* (SGE[070])	4
MATH 285	Statistics for Business* (SGE[070])	4
MUS 121	Introduction to Music Listening (SGE[060]) (SGE[070])	3
MUS 125	Introduction to Jazz Listening (SGE[060]) (SGE[070])	3
MUS 126	Introduction to World Music (SGE[060]) (SGE[070])	3
MUS 128	History of Rock and Roll Music (SGE[060]) (SGE[070])	3
PHIL 121	Introduction to Philosophy (SGE[060]) (SGE[070])	3
PHIL 124	Logic and Critical Thinking (SGE[060]) (SGE[070])	3
PHIL 128	Environmental Ethics (SGE[060]) (SGE[070])	3
PHIL 130	Food Ethics (SGE[060]) (SGE[070])	3
PHIL 143	Ethics (SGE[060]) (SGE[070])	3
PHIL 154	History of Ancient Philosophy (SGE[060]) (SGE[070])	3
PHIL 176	Philosophy of Religion (SGE[060]) (SGE[070])	3
PHIL 177	Feminist Theory (SGE[060]) (SGE[070])	3
PHIL 210	History of Modern Philosophy (SGE[060]) (SGE[070])	3
PHOT 200	Foundations in Photography (SGE[060]) (SGE[070])	3
PHYS 130	College Physics I* (SGE[040]) (SGE[070])	5
PHYS 131	College Physics II* (SGE[040]) (SGE[070])	5
PHYS 220	Engineering Physics I* (SGE[040]) (SGE[070])	5
PHYS 221	Engineering Physics II* (SGE[040]) (SGE[070])	5
POLS 122	Political Science (SGE[050]) (SGE[070])	3
POLS 124	American National Government (SGE[050]) (SGE[070])	3
POLS 126	State and Local Government (SGE[050]) (SGE[070])	3
POLS 132	Introduction to Comparative Government (SGE[050]) (SGE[070])	3
POLS 135	International Relations (SGE[050]) (SGE[070])	3
POLS 175	Environmental Policy and Law (SGE[050]) (SGE[070])	3
POLS 192	Political Theory (SGE[050]) (SGE[070])	3
POLS 200	Model United Nations (SGE[050]) (SGE[070])	3
POLS 220	Introduction to Public Policy (SGE[050]) (SGE[070])	3
POLS 245	Introduction to Public Administration (SGE[050]) (SGE[070])	3
POLS 250	Introduction to Globalization (SGE[050]) (SGE[070])	3
PSCI 120	Physical Science (SGE[040]) (SGE[070])	4
PSYC 121	Applied Psychology (SGE[050]) (SGE[070])	3
PSYC 130	Introduction to Psychology (SGE[050]) (SGE[070])	3
PSYC 215	Child Development* (SGE[050]) (SGE[070])	3
PSYC 218	Human Development* (SGE[050]) (SGE[070])	3
REL 120	Exploring World Religions (SGE[060]) (SGE[070])	3
REL 125	Asian Religions (SGE[060]) (SGE[070])	3
REL 126	Religions of the West (SGE[060]) (SGE[070])	3
REL 150	Islam: Religion and Civilization (SGE[060]) (SGE[070])	3
SOC 122	Introduction to Sociology (SGE[050]) (SGE[070])	3
SOC 125	Social Problems (SGE[050]) (SGE[070])	3
SOC 131	Sociology of Families (SGE[050]) (SGE[070])	3
SOC 146	Introduction to Social Work and Social Welfare (SGE[050]) (SGE[070])	3
THEA 120	Introduction to Theater (SGE[060]) (SGE[070])	3
WGS 201	Global Women's Studies (SGE[050]) (SGE[070])	3

General Education Hours: 15