

Science builds and organizes knowledge in the form of testable explanations and predictions. Students can select an area of science based on interest: the study of life and living organisms; the origin, history, and structure of the earth, properties, reactions, and the structure of matter; or matter and energy. There are some opportunities for employment after two years; many careers require a Bachelor of Science degree. Students planning to complete a four-year degree should enroll in the A.S. program.

**Minimum Required General Education Courses 34 cr**

***Communication Requirement* 9**

- CM101 English Composition I (3 cr)
- CM102 English Composition II (3 cr)
- CM115 Public Speaking (3 cr)

***Humanities Requirement (2 areas required)* 6**

- Art  Humanities
- Music  Literature
- Theatre  Philosophy
- Foreign Language  History

***Mathematics Requirement* 3**

- Mathematics General Education Course

***Natural Science Requirement (2 areas required)* 10**

- SC110 Principles of Biology I (5 cr)
- SC131 Chemistry I (5 cr)

***Social/Behavioral Science Req. (2 areas required)* 6**

- Economics  Anthropology
- Psychology  Political Science
- Sociology  Geography

**Elective Courses\* (See reverse side for complete listing) 18 cr**

- Elective \_\_\_\_\_
- Elective \_\_\_\_\_
- Elective \_\_\_\_\_
- Elective \_\_\_\_\_
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- Elective \_\_\_\_\_

**Open Electives\* 10 cr**

- Elective \_\_\_\_\_
- Elective \_\_\_\_\_
- Elective \_\_\_\_\_
- Elective \_\_\_\_\_

**Total Credits Required 62**

*General Education substitutions must be approved by the Vice President for Academic Affairs. Program substitutions must be approved by the department chair.*

**First Semester:**

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**Second Semester:**

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**Third Semester:**

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**Fourth Semester:**

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Anticipated Graduation \_\_\_\_\_ Total Hours \_\_\_\_\_  
Minimum 62 credit hrs. with minimum GPA 2.0.

Any non-developmental course may be used to fulfill open elective requirements.

\*All electives should be selected with assistance from an advisor.



There are many factors to consider when picking the college and the degree that are the best match for you. Explore [ksdegreestats.org](http://ksdegreestats.org) to learn more about the specific costs of each undergraduate degree program offered in Kansas, and the earnings those graduates are making today.

The Associate of Science elective options listed below are organized by area of interest. All electives should be selected with assistance from an advisor. Program substitutions must be approved by the department chair.

**Chemistry**

__MA114	Elementary Statistics.....	3
__MA120	Analytic Geometry and Calculus.....	5
__MA121	Analytic Geometry and Calculus II.....	5
__MA122	Analytic Geometry and Calculus III.....	5
__SC132	Chemistry II.....	5
__SC140	College Physics I.....	5
__SC141	College Physics II.....	5
__SC142	University Physics I.....	5
__SC143	University Physics II.....	5

**Pre-Chiropractic / Pre-Med /Pre-Occupational Therapy /  
Pre-Physical Therapy**

__MA112	Trigonometry.....	3
__SC111	Microbiology Lecture.....	3
__SC112	Microbiology Lab.....	2
__SC120	Human Anatomy & Physiology I.....	4
__SC121	Human Anatomy & Physiology II.....	4
__SC128	Pathophysiology.....	4
__SC132	Chemistry II.....	5
__SC140	College Physics I <b>or</b>	
__SC142	University Physics I.....	5
__SC141	College Physics II <b>or</b>	
__SC143	University Physics II.....	5

**Pre-Dentistry**

__MA112	Trigonometry.....	3
__SC111	Microbiology Lecture.....	3
__SC112	Microbiology Lab.....	2
__SC120	Human Anatomy & Physiology I.....	4
__SC121	Human Anatomy & Physiology II.....	4
__SC128	Pathophysiology.....	4
__SC132	Chemistry II.....	5
__SC140	College Physics I <b>or</b>	
__SC142	University Physics I.....	5
__SC141	College Physics II <b>or</b>	
__SC143	University Physics II.....	5

**Pre-Pharmacy**

__MA112	Trigonometry.....	3
__MA120	Analytic Geometry & Calculus.....	5
__MA121	Analytic Geometry & Calculus II.....	5
__SC132	Chemistry II.....	5
__SC140	College Physics I <b>or</b>	
__SC142	University Physics I.....	5
__SC141	College Physics II <b>or</b>	
__SC143	University Physics II.....	5

**Dietetics**

__MA114	Elementary Statistics.....	3
__SC111	Microbiology Lecture.....	3
__SC112	Microbiology Lab.....	2
__SC120	Human Anatomy and Physiology I.....	4
__SC121	Human Anatomy and Physiology II.....	4
__SC132	Chemistry II.....	5

**Pre-Physician Assistant**

__SC103	Physical Science.....	3
__SC111	Microbiology Lecture.....	3
__SC112	Microbiology Lab.....	2
__SC120	Human Anatomy & Physiology I.....	4
__SC121	Human Anatomy & Physiology II.....	4
__SC128	Pathophysiology.....	4
__SC132	Chemistry II.....	5

**Physical Science**

__SC105	Astronomy.....	4
__SC107	Meteorology.....	4
__SC132	Chemistry II.....	5
__SC137	Natural Hazards and Disasters.....	3
__SC138	Natural Hazards and Disasters Lab.....	1
__SC140	College Physics I.....	5
__SC141	College Physics II.....	5
__SC142	University Physics I.....	5
__SC143	University Physics II.....	5

**Physics**

__MA121	Analytic Geometry & Calculus II.....	5
__MA122	Analytic Geometry & Calculus III.....	5
__MA123	Differential Equations.....	4
__SC104	Geology.....	4
__SC105	Astronomy.....	4
__SC107	Meteorology.....	4
__SC132	Chemistry II.....	5
__SC140	College Physics I.....	5
__SC141	College Physics II.....	5
__SC142	University Physics I.....	5
__SC143	University Physics II.....	5

**Additional Elective Options**

__MA112	Trigonometry.....	3
__SC103	Physical Science.....	3
__SC111	Microbiology Lecture.....	3
__SC112	Microbiology Lab.....	2
__SC120	Human Anatomy and Physiology I.....	4
__SC121	Human Anatomy and Physiology II.....	4
__SC125	Human Body Dissection.....	1
__SC126	Anatomy and Physiology.....	5
__SC128	Pathophysiology.....	4
__SC151	Principles of Biology II.....	5