

BS in Chemical Engineering with concentration in Material Science

Freshman

Fall	Hours	Spring	Hours
C&PE 111	1	C&PE 112	1
CHEM 170 or 130	5	CHEM 175 or 135	5
MATH 125 (Core 34: Math and Statistics (SGE)) ⁰³⁰	4	MATH 126	4
Core 34: English (SGE) ⁰¹⁰	3	EPHX 210 or PHSX 211 (Core 34: Natural and Physical Sciences (SGE)) ⁰⁴⁰	3
Core 34: Communications (SGE) ⁰²⁰	3	PHSX 216 (Core 34: Natural and Physical Sciences (SGE)) ⁰⁴⁰	1
		Core 34: English (SGE) ⁰¹⁰	3
	16		17

Sophomore

Fall	Hours	Spring	Hours
C&PE 211	3	C&PE 221	3
CHEM 330	3	C&PE 325	3
PHSX 212 or 214	3	Material Science Engineering Elective	3
PHSX 236	1	MATH 220	3
MATH 127	4	MATH 290	2
Core 34: Arts and Humanities (SGE) ⁰⁶⁰	3	Advanced Science Elective	3
	17		17

Junior

Fall	Hours	Spring	Hours
C&PE 511	3	C&PE 524	3
C&PE 512	3	C&PE 525	4
CHEM 525	4	C&PE 624	3
Material Science Engineering Elective	3	Core 34: US Culture- Inst Des (SGE) ⁰⁷⁰	3
Core 34: Arts and Humanities (SGE) ⁰⁶⁰	3	Core 34: Social and Behavioral Science (SGE) ⁰⁵⁰	3
	16		16

Senior

Fall	Hours	Spring	Hours
C&PE 611	3	C&PE 613 (Capstone)	4
C&PE 615	3	C&PE 626	3
C&PE 616	3	Advanced Science or Engineering Elective	3
Material Science Engineering Elective	3	Core 34: Social and Behavior Science (SGE) ⁰⁵⁰	3

Core 34: Global Culture- Inst Des (SGE)⁰⁷⁰ 3

15 **13**

Total Hours 127

Notes:

* - This course is a Required major course and is also part of Core 34: Systemwide General Education. If this course is not taken to fulfill the Core 34:SGE requirement, it must be taken in place of elective hours.

** - This course is a Recommended Core 34: Systemwide General Education course. This specific course is not required but is recommended by the program's faculty.

*** - This course is a Required Core 34: Systemwide General Education course. This program is approved by the Kansas Board of Regents to require this specific Core 34: Systemwide General Education course. If a student did not take this course it must be taken in addition to other degree requirements.