MAJOR SEQUENCE AND DEGREE REQUIREMENTS

Major: **BA CHEMISTRY**
Option: **COOPERATIVE ENGINEERING**
Major Field Requirements: **40.0 credits**
Other Requirements: **41.0 credits**

When applicable, up to six of the **REQUIRED RELATED** courses may be credited toward the Liberal Arts Core subject to normal distribution rules.

REQUIRED CHEMISTRY COURSES (21.0 credits)

Course No.	Short Title	C.H.	Grade	Q.P.
CHEM 111	Intro Chemistry I	4.0	____	____
CHEM 112	Intro Chemistry II	4.0	____	____
CHEM 188	Freshman Seminar	1.0	____	____
CHEM 231	Organic Chem I	4.0	____	____
CHEM 232	Organic Chem II	4.0	____	____
CHEM 265	Quant Analysis	4.0	____	____

BS ENGINEERING DEGREE (19.0 credits awarded)

Bachelor of Science in Engineering 19.0 ☐

REQUIRED RELATED (41.0 credits)

Mathematics (15.0 credits)

Course No.	Short Title	C.H.	Grade	Q.P.
MATH 161	Calculus I	4.0	____	____
MATH 211	Calculus II	4.0	____	____
MATH 311	Calculus III	4.0	____	____
MATH 365	Differential Equation	3.0	____	____

Physics (16.0 credits)

Course No.	Short Title	C.H.	Grade	Q.P.
PHYS 231	Physics I with Calc	5.0	____	____
PHYS 232	Physics II with Calc	5.0	____	____
PHYS 233	Theory Wave/Part	3.0	____	____
PHYS 311	Mechanics I	3.0	____	____

Economics (3.0 credits)

Course No.	Short Title	C.H.	Grade	Q.P.
ECON 100	Introductory Econ	3.0	____	____
ECON 101	Prin of Macroecon.	3.0	____	____
ECON 102	Prin of Microecon.	3.0	____	____

Other Required Related (7.0 credits)

Course No.	Short Title	C.H.	Grade	Q.P.
CSCI 161	Intro to Programming I	4.0	____	____
ITEC 241	Drafting Commun.	3.0	____	____

General Electives (as necessary)

_____	_____	____	____	____
_____	_____	____	____	____
_____	_____	____	____	____
_____	_____	____	____	____
_____	_____	____	____	____
_____	_____	____	____	____
_____	_____	____	____	____
_____	_____	____	____	____
_____	_____	____	____	____
_____	_____	____	____	____