

Engineering Broadfield Associate of Science



Semester 1

Course Number	Course Name	Credits	Milestone	Completed
Program Electives	ENGR 1000 Introduction to Engineering recommended	3		<input type="checkbox"/>
MATH 1221	Calculus I	5	Yes	<input type="checkbox"/>
CHEM 1061	Principles of Chemistry I	4	Yes	<input type="checkbox"/>
ENGL 1200†/1201	Gateway College Writing/College Writing I	4		<input type="checkbox"/>

Total Credits: 16

Semester 2

Course Number	Course Name	Credits	Milestone	Completed
PHYS 1601	General Physics I	5	Yes	<input type="checkbox"/>
Program Electives	CSCI 1120/1130 Programming in C/C++ or Introduction to Programming in Java (Recommended)	4		<input type="checkbox"/>
MATH 1222	Calculus II	5		<input type="checkbox"/>

Total Credits: 14

Semester 3

Course Number	Course Name	Credits	Milestone	Completed
PHYS 1602	General Physics II	5		<input type="checkbox"/>
MATH 2400	Differential Equations	4	Yes	<input type="checkbox"/>
Program Electives	Choose course from program electives in helpful hints	3		<input type="checkbox"/>
MnTC Elective	Additional goal area credits (goal 5: Recommended ECON 1060 or 1070)	3		<input type="checkbox"/>

Total Credits: 15

Semester 4

Course Number	Course Name	Credits	Milestone	Completed
MATH 2220	Calculus III	5		<input type="checkbox"/>
Program Electives	Choose course from program electives in helpful hints	3		<input type="checkbox"/>
Program Electives	Choose course from program electives in helpful hints	3		<input type="checkbox"/>
MnTC Elective	Additional goal area credits (goals 6 & 7, or 8, or 9, or 10)	3		<input type="checkbox"/>
Additional Elective	Any course numbered 1000 or above	1-3		<input type="checkbox"/>

Total Credits: 15



Helpful Hints

‡ ENGL0990 must be taken at the same time as ENGL1200

Program Electives (12 credits total): ENGR 1000, 1200, 2201, 2301, 2302, 2340, 2410, CHEM 1062, 2061, 2062, MATH 2011, 2300, CSCI 1120 or 1130

-Talk with your advisor (early) where you plan to transfer as the transfer requirements may be different for each university.

-If planning on transferring to U of M, you **MUST** speak to your advisor to plan your best path.

-Additional Electives may need to be completed to reach a minimum of 60 total credits. These can be additional required engineering specialty courses (recommended) or additional general education courses.



Disclaimer: This roadmap represents one possible pathway through the program, so please make an appointment with your Academic Advisor to create an education plan that is customized to meet your needs. This information subject to change.

* Leaf/Dagger (†) means the class is only offered Fall semester. * Flower/Asterisk (*) means the class is only offered Spring Semester.
Double Dagger (‡) means the course has a corequisite that must be taken at the same time