

Associate of Science in Biomedical Engineering

First Year: Technical Coursework

Fall Semester			Spring Semester		
✓	Course	Credits	✓	Course	Credits
	ENGR 1201 Intro to Engineering	2		ENGR 2304 Engr Programming	3
	BIOL 1406 Biology I	4		PHYS 2425 University Physics I	4
	CHEM 1409 Chem for Engineers or CHEM 1411 General Chemistry I	4		CHEM 1412 General Chemistry II	4
	MATH 2413 Calculus I*	4		MATH 2414 Calculus II	4

*Students starting in Precalculus should take the Math 2412/Math 2413 Fasttrack/Flextrack courses so they will have completed Calculus 1 by the end of the fall semester.

Second Year: Technical Coursework

Fall Semester			Spring Semester		
✓	Course	Credits	✓	Course	Credits
	ENGR 2301 Engr Mech I – Statics	3		ENGR 2305 & 2105 Circuits	4
	PHYS 2426 University Physics II	4		MATH 2415 Calculus III	4
	CHEM 2423 Organic Chemistry I	4		MATH 2320 Differential Equations	3

Additional Coursework

Core Classes			In addition to the technical coursework above, students also need to complete 9 hours of core coursework. These courses can be taken at any time.
✓	Course	Credits	
	Texas Core Curriculum 1	3	
	Texas Core Curriculum 2	3	
	Texas Core Curriculum 3	3	

Total Degree Hours: 60

Some recommended core courses for engineering students:

- ENGL 1301 – Freshman Composition I
- GOVT 2305 – National Government
- GOVT 2306 – Texas Government
- HIST 1301 – History Of US To 1877
- HIST 1302 – History Of US From 1877

Some recommended “Catch-up” courses for students entering MCC with a minimal science or technology background:

- CHEM 1405 – Introductory Chemistry I
- COSC 1301 – Microcomputer Applications
- PHYS 1401 – General Physics I
- COSC 1336 – Programming Fundamentals I