

COURSE SEQUENCE GUIDE | FULL-TIME ENROLLMENT
Biomedical Engineering Technology
Associate in Science | Code: 26053 | 60 credits
Effective Term: Fall 2024 (2247)
Semester 1

| Course ID | Course Title | Credits | Pre/Co-requisites |
|-----------|-------------------------|-----------|--|
| ENC 1101 | English Composition I | 3 | Prerequisite: Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption). |
| MAC 1105 | College Algebra | 3 | Prerequisite: MAT1033♦ ♦Students must seek advisement for proper mathematics course from discipline chairperson. |
| CET 1487C | Network+ | 3 | |
| COP 2270 | “C” for Engineers | 4 | Pre/Corequisite: MAC1105 |
| | Semester Credits | 13 | |

Semester 2

| Course ID | Course Title | Credits | Pre/Co-requisites |
|------------|--|-----------|--|
| Humanities | ARH 1000, HUM 1020, LIT 2000, MUL 1010, PHI 2010, THE 2000 | 3 | Note: ENC 1101 is a prerequisite to LIT 2000. |
| EET 1015C | Direct Current Circuits | 4 | Prerequisite: MAC 1105 |
| HIM 2472 | Medical Terminology | 3 | |
| MAC 1114 | Trigonometry | 3 | Prerequisite: MAC1105 or MAC1106 |
| | Semester Credits | 13 | |

Semester 3

| Course ID | Course Title | Credits | Pre/Co-requisites |
|-----------|------------------------------|----------|---|
| CET 1110C | Digital Circuits | 4 | Prerequisite: EET 1015C, MAC 1105; Pre/Corequisite: COP 2270 |
| EET 1025C | Alternating Current Circuits | 4 | Prerequisite: EET 1015C; Pre/Corequisite: MAC 1114 or MAC 1147 |
| | Semester Credits | 8 | |

Semester 4

| Course ID | Course Title | Credits | Pre/Co-requisites |
|--------------------------------|---|-----------|--|
| BSC 1005 --OR-- BSC 2085 | General Education Biology --OR-- Human Anatomy and Physiology 1 | 3 | Note: Check with advisor for requisite information. |
| Social Science | AMH 2010, AMH 2020, POS 2041 | 3 | |
| EET 1141C | Electronics 1 | 4 | Prerequisites: EET 1025C, and MAC 1114 or MAC 1147 |
| ETS 2673C | Programmable Logic Controllers | 4 | Prerequisite: CET 1110C |
| | Semester Credits | 14 | |

Semester 5

| Course ID | Course Title | Credits | Pre/Co-requisites |
|------------------------------|--|-----------|---|
| EET 2101C | Electronics 2 | 4 | Prerequisite: EET 1141C |
| Electives | BSC*, CET*, EET*, ETI*, ETS*, MAC*, ETM 1315C | 8 | Note: Check with advisor for requisite information. |
| CSP ---OR--- CGS 1060C | Computer Skills Placement (CSP) ---OR--- Introduction to Computer Technology & Application | | Departmental Recommendation: Computer Skills Placement (CSP) |
| | Semester Credits | 12 | |
| | Program Total | 60 | |

Academic Pathway at MDC: The AS in Biomedical Engineering Technology is a pathway to the [BAS in Supervision and Management](#). To learn more about the courses listed see [College Catalog](#).