

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](#).