

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).
MAT 1033	Intermediate Algebra	3	Prerequisites: MAT0022C, or MAT 0028, or MAT 0057 or by placement score, or eligible exemption.
Social Science	AMH 2010, AMH 2020, POS 2041	3	
Computer Competency	Computer Competency Test (CSP)		Departmental Recommendation: Computer Skills Placement (CSP)
Semester Credits		9	

Semester 2

Course ID	Course Title	Credits	Pre/Co-requisites
HUM 1020 --OR-- PHI 2010	Intro to Humanities --OR-- Intro to Philosophy	3	
MAC 1105*	College Algebra	3	Prerequisite: MAT 1033* *Students must seek advisement for proper mathematics course from discipline chairperson.
CHM 1025	Introductory Chemistry	3	Prerequisite: MAT 1033* *Students must seek advisement for proper mathematics course from discipline chairperson.
STA 2023	Statistical Methods	3	Prerequisite: MAT 1033* or MGF 1131 *Students must seek advisement for proper mathematics course from discipline chairperson.
Semester Credits		12	

Semester 3

Course ID	Course Title	Credits	Pre/Co-requisites
CHM 1045*	General Chemistry and Qualitative Analysis	3	Prerequisite: CHM 1025 or a passing score on the CART exam, MAC 1105 Corequisite: CHM 1045L
CHM 1045L*	General Chemistry and Qualitative Analysis Lab	2	Prerequisite: CHM 1025 or a passing score on the CART exam, MAC 1105 Corequisite: CHM 1045
BSC 2426*	Biotechnology Methods and Applications 1	3	Corequisite: BSC 2426L
BSC 2426L*	Biotechnology Methods and Applications 1 Lab	2	Corequisite: BSC 2426
Semester Credits		10	

Semester 4

Course ID	Course Title	Credits	Pre/Co-requisites
BSC 2427	Biotechnology Methods and Applications 2	3	Prerequisite: BSC 2426, BSC 2426L Corequisite: BSC 2427L
BSC 2427L	Biotechnology Methods and Applications 2 Lab	2	Prerequisite: BSC 2426, BSC 2426L Corequisite: BSC 2427
BSC 2010	Principles of Biology 1	3	Prerequisite: CHM 1045 Corequisite: BSC 2010L
BSC 2010L	Principles of Biology 1 Lab	2	Corequisite: BSC 2010
Semester Credits		10	

Semester 5

Course ID	Course Title	Credits	Pre/Co-requisites
BSC 2943L	Bioscience Internship	3	
ETI 1040*	Intro to Bioscience Manufacturing	3	
ETI 1040L	Intro to Bioscience Manufacturing Lab	2	Corequisite: ETI 1040
Semester Credits		8	

Semester 6

Course ID	Course Title	Credits	Pre/Co-requisites
MCB 2010	Microbiology	3	Prerequisites: BSC 2010, BSC 2010L or BSC 2085, BSC 2085L, CHM 1033, CHM 1033L or CHM 1045, CHM 1045L Corequisite: MCB 2010L
MCB 2010L	Microbiology Lab	2	Prerequisites: BSC 2010, BSC 2010L or BSC 2085, BSC 2085L, CHM 1033, CHM 1033L or CHM 1045, CHM 1045L Corequisite: MCB 2010
BSC 2423C	Methods and Application of Cell Culture & Protein Biotechnology	4	Prerequisite: BSC 2426, BSC 2426L
ETI 1172*	Introduction to Quality Assurance	3	
Semester Credits		12	
Program Total		61	

Academic Pathway at MDC: The AS in Biotechnology is a pathway to the [BS in Biological Sciences - Biotechnology Concentration](#). ★ Course leads to a [College Credit Certificate \(CCC\) in Biotechnology](#). To learn more about the courses listed see [College Catalog](#).