

(SOME LAB CLASSES CANNOT BE COMPLETED ONLINE)

(Classes taken at Northwestern Michigan College to complete associate degree are in red)

Foundations of Excellence		37 credits	Northwestern Michigan College		Transfer Credit	3rd Year	Davenport Credit
ACES100	Achieving Career and Education Success	3	Humanities Elective (Group 1 Humanities course) ¹		3		
BITS211	Microcomputer Applications: Spreadsheet	3	CIT 210	Microsoft Office - Excel	3		
BITS212	Microcomputer Applications: Database	3	CIT 170	Microsoft Office - Access	3		
COMM120	Presentation Techniques	3	COM 111	Public Speaking		4	
ENGL109	Composition	3	ENG 111	English Composition	3		
ENGL110	Advanced Composition	3	ENG 112	English Composition	3		
ENGL311	Professional Writing	3					3
MATH120 or MATH125	College Mathematics or Intermediate Algebra	3	MTH 120 or MTH 111	Mathematical Explorations or Intermediate Algebra (4 crs)	3		
MATH150	Pre-Calculus	4	SUB: MTH 141	Calculus I	5		
SOSC201	Diversity in Society	3	ANT113	Intro to Cultural Anthropology (Group 1 Social Science course.) ²	3		
SOSC301	Globalization and World Diversity	3					3
STAT219	Introduction to Biostatistics	3	SUB: MTH131	Introduction to Probability & Statistics		3	
Science Courses		28 credits	Northwestern Michigan College		Transfer Credit	3rd Year	Davenport Credit
CHEM160	General Chemistry I	3	CHM 150	General Chemistry I (Group 1 Science lecture/lab course. 1)	4		
CHEM160L	General Chemistry I Lab	1	CHM 150L	General Chemistry I Lab	0		
CHEM161	General Chemistry II	3	CHM 151	General Chemistry II	4		
CHEM161L	General Chemistry II Lab	1	CHM 151L	General Chemistry II Lab	0		
CHEM250	Organic Chemistry I	3	CHM 250	Organic Chemistry I	5		
CHEM250L	Organic Chemistry I Lab	1	CHM 250L	Organic Chemistry I Lab	0		
CHEM255	Organic Chemistry II	3	CHM 251	Organic Chemistry II	5		
CHEM255L	Organic Chemistry II Lab	1	CHM 251L	Organic Chemistry II Lab	0		
CHEM310	Biochemistry	3					3
CHEM310L	Biochemistry Lab	1					
PHYS210	Fundamentals of Physics I	3	PHY121	General Physics I		4	
PHYS210L	Fundamentals of Physics I Lab	1	PHY 121L	General Physics I Lab		0	
PHYS220	Fundamentals of Physics II	3	PHY122	General Physics II		4	
PHYS220L	Fundamentals of Physics II Lab	1	PHY 122L	General Physics II Lab		0	
Major		41 credits	Northwestern Michigan College		Transfer Credit	3rd Year	Davenport Credit
BIOL110	Foundations of Cell Biology	3	BIO 115	Cell, Plant & Ecosystem Biology	4		

BIOL110L	Foundations of Cell Biology Lab	1	BIO 115L	Cell, Plant & Ecosystem Biology Lab	0			
BIOL111	Organisms and Populations	3	BIO 116	Genetic, Evolution, Animal Bio	4			
BIOL111L	Organisms and Populations Lab	1	BIO 116L	Genetic, Evolution, Animal Bio Lab	0			
BIOL209	Techniques in Laboratory Science	4					4	
BIOL211	Microbiology	3	BIO 208	Microbiology		4		
BIOL211L	Microbiology Lab	1	BIO 208L	Microbiology Lab		0		
BIOL336	Genetics	4					4	
BIOL354	Cell and Molecular Biology	3					3	
BIOL354L	Cell and Molecular Biology Lab	1					1	
BIOL382	Science Ethics	3					3	
BIOL430	Advanced Microbiology	3					3	
BIOL430L	Advanced Microbiology Lab	1					1	
BIOL458	Forensic Science	3					3	
BIOL458L	Forensic Science Lab	1					1	
BIOL486	Introduction to Bioinformatics	3					3	
BIOL494	Foundations of Research	1					1	
BIOL496	BLS Capstone	2					2	
Recommended Elective		3 credits	Northwestern Michigan College			Transfer Credit	3rd Year	Davenport Credit
BIOL490	Biological Laboratory Internship	3					3	
Open Electives¹		14 credits	Northwestern Michigan College			Transfer Credit	3rd Year	Davenport Credit
			CHM 150R	General Chemistry I, Recitation	1			
			CHM 151R	General Chemistry II Recitation	1			
			Humanities Elective (Group 1 Humanities course) ¹		3			
			Social Science Elective (Group 1 Social Science course) ²		3			
TOTAL CREDIT HOURS						Transfer Credit	3rd Year	Davenport Credit

#Preferred Course

¹ See "Guide to Electives" for list of choices in the 2021-2022 undergraduate catalog. Student may choose any discipline from the electives.

*If the career intent is pre-medicine/pre-dental/pre-veterinary medicine, consider 2 cr of Organic Chemistry Lab or BIOL221/221L Anatomy and Physiology I and BIOL222/222L Anatomy and Physiology II as electives.

¹ Choose two Group 1 Humanities courses from two different disciplines

² Choose two Group 1 Social Science courses from two different disciplines

120 credits to complete	60	19	41
16 DU courses to complete			