

(CANNOT BE COMPLETED ONLINE)

Foundations of Excellence		37 credits	Grand Rapids Community College		Transfer Credit	Davenport Credit
ACES100	Achieving Career and Education Success	3	Any Humanities General Education Elective		3	
BITS211	Microcomputer Applications: Spreadsheet	3	CIS 156	Microsoft Excel	3	
BITS212	Microcomputer Applications: Database	3	CIS 170	Microsoft Access Database I	3	
COMM120	Presentation Techniques	3	COM 131	Fundamentals of Public Speaking	3	
ENGL109	Composition	3	EN 101	English Composition I	3	
ENGL110	Advanced Composition	3	EN 102	English Composition II	3	
ENGL311	Professional Writing	3	EN 249	Technical Writing	3	
MATH125	Intermediate Algebra	3	MA 110 or MA 129 or MA 131 or MA 133	College Algebra or Survey of Calculus or Precalculus Credit Hours or Calculus with Analytic Geometry I	4	
MATH150	Pre-Calculus	4	MA 131	Precalculus	5	
SOSC201	Diversity in Society	3	SO 260	Race & Ethnicity	3	
SOSC301	Globalization and World Diversity	3	GE 235	Introduction to Globalization and Inequality	3	
STAT219	Introduction to Biostatistics	3				3
Science Courses		28 credits	Grand Rapids Community College		Transfer Credit	Davenport Credit
CHEM160*	General Chemistry I*	3	CHM 130	General Chemistry I	4	
CHEM160L*	General Chemistry I Lab*	1	CHM 131	General Chemistry I Laboratory	1	
CHEM161*	General Chemistry II*	3	CHM 140	General Chemistry II	4	
CHEM161L*	General Chemistry II Lab*	1	CHM 141	General Chemistry II Laboratory	1	
CHEM250*	Organic Chemistry I*	3	CHM 260	Organic Chemistry I	4	
CHEM250L*	Organic Chemistry I Lab*	1	CHM 261	Organic Chemistry Laboratory I	1	
CHEM255*	Organic Chemistry II*	3	CHM 270	Organic Chemistry II	4	
CHEM255L*	Organic Chemistry II Lab*	1	CHM 271	Organic Chemistry Laboratory II	1	
CHEM310	Biochemistry	3	CHM 250	Biological Chemistry	3	
CHEM310L	Biochemistry Lab	1	CHM 251	Biological Chemistry Lab	1	
PHYS210	Fundamentals of Physics I	3	PH 125	College Physics I	4	
PHYS210L	Fundamentals of Physics I Lab	1	PH 125	College Physics I Lab	1	
PHYS220	Fundamentals of Physics II	3	PH 126	College Physics II	4	
PHYS220L	Fundamentals of Physics II Lab	1	PH 126	College Physics II Lab	1	
Major		41 credits	Grand Rapids Community College		Transfer Credit	Davenport Credit
BIOL110*	Foundations of Cell Biology*	3	BI 151	Introduction to Cells, Molecules, and Genes	3	
BIOL110L*	Foundations of Cell Biology Lab*	1	BI 151	Introduction to Cells, Molecules, and Genes	1	
BIOL111*	Organisms and Populations*	3	BI 152 or [BI 153 and BI 154]	Biological Diversity or [Plant Biology and Animal Biology]	3	
BIOL111L*	Organisms and Populations Lab*	1	BI 152 or [BI 153 and BI 154]	Biological Diversity or [Plant Biology and Animal Biology]	1	
BIOL209	Techniques in Laboratory Science	4				4
BIOL211	Microbiology	3	BI 127	Microbiology	3	
BIOL211L	Microbiology Lab	1	BI 127	Microbiology	1	
BIOL336	Genetics	4	BI 232	Genetics	3	
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	Grand Rapids Community College		Transfer Credit	Davenport Credit
BIOL490	Biological Laboratory Internship	3				3
Open Electives <sup>1</sup>		14 credits	Grand Rapids Community College		Transfer Credit	Davenport Credit
			Any Humanities General Education Elective		3	
			Any Open Elective taken at GRCC		1	
<b>TOTAL CREDIT HOURS</b>					<b>Transfer Credit</b>	<b>Davenport Credit</b>
<i>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.</i>					Minimum	Minimum
120 credits to complete					89	31
13 DU courses to complete						

\* This course is a part of the MiTransfer Pathways Initiative - Biological Sciences Pathway

The signatories below warrant they are authorized to enter into this agreement on behalf of their respective parties.  
This Program Agreement shall abide by all language of the Institutional Agreement between Grand Rapids Community College and Davenport University.

Signed 03/10/2021

Signed 03/11/2021

\_\_\_\_\_  
Tim Hoving  
Professor/Department Head, Biological Sciences  
Grand Rapids Community College

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Sharon Sutliff  
Department Chair, College of Arts and Sciences  
Davenport University

Signed 03/09/2021

Signed 03/11/2021

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Michael Vargo  
Dean, School of Arts and Sciences  
Grand Rapids Community College

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Gerald Nyambane  
Interim Dean, College of Arts and Sciences  
Davenport University

Date:           Last signed gathered 03/11/2021