

(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 ¹ | | 14 credits | Grand Rapids Community College | | Transfer Credit | Davenport Credit |
| | | | Any Humanities General Education Elective | | 3 | |
| | | | Any Open Elective taken at GRCC | | 1 | |
| TOTAL CREDIT HOURS | | | | | Transfer Credit | Davenport Credit |
| <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
 ** BI 152 is required for the GRCC Academic Program

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

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

Signed 03/09/2021

Signed 03/11/2021

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

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

Date: Last signed gathered 03/11/2021