

# MATHEMATICS/NATURAL SCIENCE, ASSOCIATE IN SCIENCE (MNS)

## Part-Time Academic Plan

Course	Title	Hours
<b>First Semester</b>		
ENG 100	English Composition I	3
CS 100 or CS 101	Introduction to Information Technology or Introduction to Computer Science	3
Select one of the following Scientific Inquiry Elective:		
BIO 110	General Biology I	
CHE 110	General Chemistry I	
ESS 110	Physical Geology	
PHY 110	College Physics I	
PHY 131	University Physics I	4
<b>Hours</b>		<b>10</b>
<b>Total Hours</b>		<b>10</b>

**Diversity and Social Justice designated courses** ([https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/#DJ\\_Course\\_List](https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/#DJ_Course_List)).

**Global Understanding designated courses.** ([https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/#GU\\_Course\\_List](https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/#GU_Course_List))

### Behavioral and Social Science

This list does not indicate College Academic Learning Goal designation (<https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/>). Refer to your program curriculum for more information.

The subject areas listed are generally transferable to most institutions. However, transferability is always determined by the college or university you are planning to transfer to. Depending on the program at the transfer institution, the courses may only be accepted as free electives. Be sure to meet with a transfer advisor before making your course selections.

- ADJ - Administration of Justice (<https://catalog.dccc.edu/courses/course-descriptions/adj/>)
- ECE - Early Childhood Education (<https://catalog.dccc.edu/courses/course-descriptions/ece/>)
- ECO - Economics (<https://catalog.dccc.edu/courses/course-descriptions/eco/>)
- EDU - Education (<https://catalog.dccc.edu/courses/course-descriptions/edu/>)
- HIS - History (<https://catalog.dccc.edu/courses/course-descriptions/his/>)
- INT - Interdisciplinary (<https://catalog.dccc.edu/courses/course-descriptions/int/>)
- POL - Political Science (<https://catalog.dccc.edu/courses/course-descriptions/pol/>)
- PSY - Psychology (<https://catalog.dccc.edu/courses/course-descriptions/psy/>)
- SOC - Sociology (<https://catalog.dccc.edu/courses/course-descriptions/soc/>)
- SWO - Social Work (<https://catalog.dccc.edu/courses/course-descriptions/swo/>)
- TSC - Trauma Studies (<https://catalog.dccc.edu/courses/course-descriptions/tsc/>)

### Mathematics Electives (3-4 credits) from:

Code	Title	Hours
MAT 151	College Algebra	4
MAT 152	Precalculus	4
MAT 160	Calculus I	4
MAT 161	Calculus II	4
MAT 200	Linear Algebra	3
MAT 210	Statistics	3
MAT 230	Foundations of Discrete Mathematics	3

MAT 260	Calculus III	4
MAT 261	Differential Equations	3

**Laboratory Science Electives (4 credits) from:**

Code	Title	Hours
BIO 110	General Biology I	4
BIO 111	General Biology II	4
BIO 115	Field Ecology	4
BIO 200	General Zoology	4
BIO 210	General Botany	4
BIO 240	General Microbiology	4
BIO 250	Genetics	4
CHE 110	General Chemistry I	4
CHE 111	General Chemistry II	4
ESS 110	Physical Geology	4
ESS 112	Historical Geology	4
PHY 110	College Physics I	4
PHY 111	College Physics II	4
PHY 131	University Physics I	4
PHY 132	University Physics II	4

**Mathematics/Laboratory Science Electives (12-18 credits):**

Code	Title	Hours
BIO 110	General Biology I	4
BIO 111	General Biology II	4
BIO 115	Field Ecology	4
BIO 200	General Zoology	4
BIO 210	General Botany	4
BIO 240	General Microbiology	4
BIO 250	Genetics	4
CHE 110	General Chemistry I	4
CHE 111	General Chemistry II	4
CHE 200	Organic Chemistry I	5
CHE 201	Organic Chemistry II	5
ESS 110	Physical Geology	4
ESS 112	Historical Geology	4
MAT 151	College Algebra	4
MAT 152	Precalculus	4
MAT 160	Calculus I	4
MAT 161	Calculus II	4
MAT 200	Linear Algebra	3
MAT 210	Statistics	3
MAT 230	Foundations of Discrete Mathematics	3
MAT 260	Calculus III	4
MAT 261	Differential Equations	3
PHY 110	College Physics I	4
PHY 111	College Physics II	4
PHY 131	University Physics I	4
PHY 132	University Physics II	4
PHY 230	Modern Physics	3

**Open Electives:**

(9-12 credits for at least 60 total program credits) from any transferable college level course.

Requirements vary between transfer institutions. Students are strongly encouraged to consult with both the DCCC Transfer Office as well as their academic advisor **before** registering for classes.