

# SCIENCE FOR HEALTH PROFESSIONS, ASSOCIATE IN SCIENCE (HSCI)

## Part-Time Academic Plan

| Course                                | Title   | Hours        |
|---------------------------------------|---|--------------|
| <b>First Semester</b>                 |   |              |
| ENG 100                               | English Composition I   | 3            |
| BIO 110<br>or BIO 150                 | General Biology I<br>or Human Anatomy and Physiology I                        | 4            |
| CHE 101<br>or CHE 110                 | Introduction to General Chemistry<br>or General Chemistry I                   | 4            |
| <b>Hours</b>                          |   | <b>11</b>    |
| <b>Second Semester</b>                |   |              |
| Select one of the following:          |   | 3-4          |
| MAT 121                               | Introduction to Probability and Statistics                                    |              |
| MAT 151                               | College Algebra   |              |
| MAT 152                               | Precalculus   |              |
| MAT 160                               | Calculus I  |              |
| ENG 112                               | English Composition II: Writing About Literature                              | 3            |
| COMM 100<br>or COMM 111               | Interpersonal Communication<br>or Public Speaking                             | 3            |
| <b>Hours</b>                          |   | <b>9-10</b>  |
| <b>Third Semester</b>                 |   |              |
| Mathematics Required Elective         |   | 3-4          |
| Laboratory Science Required Electives |   | 4            |
| Humanities Elective                   |   | 3            |
| <b>Hours</b>                          |   | <b>10-11</b> |
| <b>Fourth Semester</b>                |   |              |
| CS 100<br>or CS 101                   | Introduction to Information Technology<br>or Introduction to Computer Science | 3            |
| Mathematics/Science Required Elective |   | 3-5          |
| Laboratory Science Required Elective  |   | 4-5          |
| <b>Hours</b>                          |   | <b>10-13</b> |
| <b>Fifth Semester</b>                 |   |              |
| Social Science Elective               |   | 3            |
| Humanities Elective                   |   | 3            |
| Mathematics/Science Required Elective |   | 3-5          |
| <b>Hours</b>                          |   | <b>9-11</b>  |
| <b>Sixth Semester</b>                 |   |              |
| Mathematics/Science Required Elective |   | 3-5          |
| Social Science Elective               |   | 3            |
| <b>Hours</b>                          |   | <b>6-8</b>   |
| <b>Seventh Semester</b>               |   |              |
| Open Electives                        |   | 6            |
| <b>Hours</b>                          |   | <b>6</b>     |
| <b>Total Hours</b>                    |   | <b>61-70</b> |

**Diversity and Social Justice (DJ) and Global Understanding (GU) designated courses.** ([https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/#Dual\\_DJ\\_GU\\_CourseList](https://catalog.dccc.edu/academic-programs/college-academic-learning-goals/#Dual_DJ_GU_CourseList))

### Arts and Humanities Electives

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. Be sure to meet with a transfer advisor before making your course selections.

- ART - Art (<https://catalog.dccc.edu/courses/course-descriptions/art/>)
- COMM - Communication Studies (<https://catalog.dccc.edu/courses/course-descriptions/comm/>)
- DRA - Drama (<https://catalog.dccc.edu/courses/course-descriptions/dra/>)
- ENG - English (<https://catalog.dccc.edu/courses/course-descriptions/eng/>) (ENG 115 and above)
- HUM - Humanities (<https://catalog.dccc.edu/courses/course-descriptions/hum/>)
- MUS - Music (<https://catalog.dccc.edu/courses/course-descriptions/mus/>)
- PHI - Philosophy (<https://catalog.dccc.edu/courses/course-descriptions/phi/>)

Some programs specify or recommend a Foreign Language.

| Code                      | Title                   | Hours |
|---------------------------|-------------------------|-------|
| <i>Foreign Languages:</i> |                         |       |
| FRE 101                   | Elementary French I     |       |
| FRE 102                   | Elementary French II    |       |
| FRE 111                   | Intermediate French I   |       |
| FRE 112                   | Intermediate French II  |       |
| SPA 101                   | Elementary Spanish I    |       |
| SPA 102                   | Elementary Spanish II   |       |
| SPA 201                   | Intermediate Spanish I  |       |
| SPA 202                   | Intermediate Spanish II |       |

## 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 (3-4 credits):

| Code    | Title                                      | Hours |
|---------|--|-------|
| MAT 128 | Algebra                                    | 4     |
| MAT 121 | Introduction to Probability and Statistics | 3     |
| 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 (8 credits):**

| <b>Code</b> | <b>Title</b>                                     | <b>Hours</b> |
|-------------|--|--------------|
| BIO 110     | General Biology I                                | 4            |
| BIO 111     | General Biology II                               | 4            |
| BIO 150     | Human Anatomy and Physiology I                   | 4            |
| BIO 151     | Human Anatomy and Physiology II                  | 4            |
| BIO 200     | General Zoology                                  | 4            |
| BIO 210     | General Botany                                   | 4            |
| BIO 230     | Introduction to Microbiology                     | 4            |
| BIO 240     | General Microbiology                             | 4            |
| BIO 250     | Genetics   | 4            |
| CHE 101     | Introduction to General Chemistry                | 4            |
| CHE 102     | Introduction to Organic and Biological Chemistry | 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            |
| 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/Science (9-14 credits):**

| <b>Code</b> | <b>Title</b>                                     | <b>Hours</b> |
|-------------|--|--------------|
| MAT 128     | Algebra  | 4            |
| MAT 121     | Introduction to Probability and Statistics       | 3            |
| 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            |
| BIO 110     | General Biology I                                | 4            |
| BIO 111     | General Biology II                               | 4            |
| BIO 150     | Human Anatomy and Physiology I                   | 4            |
| BIO 151     | Human Anatomy and Physiology II                  | 4            |
| BIO 200     | General Zoology                                  | 4            |
| BIO 210     | General Botany                                   | 4            |
| BIO 220     | Nutrition and Well Being                         | 3            |
| BIO 230     | Introduction to Microbiology                     | 4            |
| BIO 240     | General Microbiology                             | 4            |
| BIO 250     | Genetics   | 4            |
| CHE 101     | Introduction to General Chemistry                | 4            |
| CHE 102     | Introduction to Organic and Biological Chemistry | 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            |
| PHY 110     | College Physics I                                | 4            |

|         |                       |   |
|---------|-----------------------|---|
| PHY 111 | College Physics II    | 4 |
| PHY 131 | University Physics I  | 4 |
| PHY 132 | University Physics II | 4 |