



**Direct Transfer Track: Associate in Science with Concentration in Pre-Professional Sciences
to Bachelor of Science in Biological Sciences**
Bulletin Year: 2024-2025

This course plan provides a recommended sequence for this major. For detailed degree requirements, please refer to the University of South Carolina Bulletin. Additionally, reach out to your academic advisor at Midlands Technical College for assistance in navigating coursework in your MTC program of study. Your University of South Carolina advisor will help with course selection and planning for upcoming semesters after transfer.

| Course Subject and Title | Credit Hours | Min. Grade | USC Equivalent Course | USC Degree Applicability |
|--|--------------|------------|--|----------------------------|
| Semester One (16 Credit Hours) | | | | |
| COL 101 College Orientation | 1 | | Not Transferrable | Not Applicable |
| ENG 101 English Composition I | 3 | C | ENGL 101 Critical Reading and Composition | CC-CMW |
| BIO 101 Biological Science I | 4 | C | BIOL 101 & 101L Biological Principles I & Lab | CC-SCI |
| MAT 110 College Algebra | 4 | C | MATH 111 Basic College Mathematics | PR-Elective |
| CHM 110 College Chemistry | 4 | C | CHEM 111 & 111L General Chemistry I & Lab | PR-Supporting Course |
| Semester Two (17 Credit Hours) | | | | |
| ENG 102 English Composition II | 3 | C | ENGL 102 Rhetoric and Composition | CC-CMW/INF |
| MAT 111 College Trigonometry | 3 | C | MATH 112 Trigonometry | Not degree applicable |
| BIO 102 Biological Science II | 4 | C | BIOL 102 & 102L Biological Principles II & Lab | CC-SCI |
| CHM 111 College Chemistry II | 4 | C | CHEM 112 & 112L General Chemistry II & Lab | PR-Supporting Course |
| HIS 202 American History: 1877 to Present | 3 | C | HIST 112 US History Since 1865 | CC-GHS |
| Semester Three (17 Credit Hours) | | | | |
| CHM 211 Organic Chemistry I | 4 | C | CHEM 333 & 331L Organic Chemistry I & Lab | PR-Supporting Course |
| SPC 205 Public Speaking | 3 | C | SPCH 140 Public Communication | CC-CMS |
| MAT 140 Analytical Geometry and Calculus I | 4 | C | MATH 141 Calculus I | CC-ARP |
| PSC 201 American Government | 3 | C | POLI 201 American National Government | CC-GSS/VSR |
| CPT 114 Computers and Programming or IST 225 Internet Communications | 3 | C | UNEL 001T University Elective or ITEC 362 Web-Based Support Systems | PR-Elective |
| Semester Four (14 Credit Hours) | | | | |
| MAT 141 Analytical Geometry & Calculus II | 4 | C | MATH 142 Calculus II | CC-ARP |
| CHM 212 Organic Chemistry II | 4 | C | CHEM 334 & 332L Organic Chemistry II & Lab | PR-Elective |
| PHI 115 Contemporary Moral Issues | 3 | C | PHIL 211 Contemporary Moral Issues | CR-Fine Arts or Humanities |
| MUS 105 Music Appreciation or ART 101 Art History and Appreciation or THE 101 Introduction to Theatre | 3 | C | MUSC 110 Introduction to Music or ARTE 101 Introduction to ART or THEA 200 Understanding & Appreciation of Theatre | CC-AIU |
| Semester Five (15-17 Credit Hours) | | | | |
| BIOL 301 (& optional lab) Ecology & Evolution or BIOL 302 (& optional lab) Cell & Molecular Bio.or BIOL 303 Fundamental Genetics | 3-4 | C | | MR |
| Physiology or Plant Biology Course | 3-4 | C | | MR |
| STAT 205 Elem. Stat. for the Biol. & Life Sciences | 3 | | | CR |
| Foreign Language or other Carolina Core Requirement History (non-U.S.) | 3 | | | CC-GFL CR |
| Semester Six (12-14 Credit Hours) | | | | |
| BIOL 301 (& optional lab) Ecology & Evolution or BIOL 302 (& optional lab) Cell & Molecular Bio.or BIOL 303 Fundamental Genetics | 3-4 | C | | MR |
| Physiology or Plant Biology Course | 3 | C | | MR |
| Biological Sciences Elective (300-level and above) | 3-4 | C | | MR |
| Foreign Language or other Carolina Core Requirement | 3 | | | CC-GFL |
| Semester Seven (12-13 Credit Hours) | | | | |
| BIOL 301 (& optional lab) Ecology & Evolution or BIOL 302 (& optional lab) Cell & Molecular Bio.or BIOL 303 Fundamental Genetics | 3-4 | C | | MR |
| Biological Sciences Elective (400-699 level) | 3 | C | | MR |
| CSCE 102 General Applications Programming | 3 | | | CR |
| Foreign Language (only if needed to meet 122-level of foreign language) or Approved Elective | 3 | | | CR/PR |
| Semester Eight (12-16 Credit Hours) | | | | |
| Biological Sciences Elective (400-699 level) | 3-4 | C | | MR |
| Biological Sciences Elective (300-level and above) | 3-4 | C | | MR |
| Social Science | 3 | | | CR |
| Carolina Core Requirement VSR | 3 | | | CC-VSR |
| Approved Elective (only if needed to meet hours to graduate) | 0-2 | | | PR |

University Requirements: Bachelor's degree-seeking students must meet Carolina Core (general education) requirements. For more information regarding these requirements, please visit the [Carolina Core](#) page on the University website.

| Codes: | | | |
|---------------|--|---------------|---|
| CC | Carolina Core | CC-INF | Carolina Core – Information Literacy |
| CC-AIU | Carolina Core-Aesthetic and Interpretive Understanding | CC-INT | Carolina Core – Integrative Course |
| CC-ARP | Carolina Core-Analytical Reasoning and Problem-Solving | CC-SCI | Carolina Core – Scientific Literacy |
| CC-CMS | Carolina Core-Effective, Engaged, and Persuasive Communication: Spoken Component | CC-VSR | Carolina Core – Values, Ethics, and Social Responsibility |
| CC-CMW | Effective, Engaged, and Persuasive Communication: Written Component | CR | College Requirement |
| CC-GFL | Carolina Core-Global Citizenship and Multicultural Understanding: Foreign Language | MR | Major Requirement |
| CC-GHS | Carolina Core – Historical Thinking | PR | Program Requirement |
| CC-GSS | Carolina Core – Social Sciences | FD | Founding Documents |