

| General Science Specialization (5-Adult) for transfer to Shepherd University | | | | |
|--|---|----|---|---|
| BRCTC Course | | | Equivalent SU Course | |
| Year 1 – Semester 1 | | | | |
| BIOL 101 | General Biological Science (B or better) | 4 | BIOL 104 | General Biology II |
| EDUC 150 | Seminar in Education | 1 | EDUC 150 | Seminar in Education |
| ENGL 101 | Written English I | 3 | ENGL 101 | Writing and Rhetoric I |
| HIST 101 <i>or</i> HIST 102 | Early Man to 1500 <i>or</i> Renaissance to | 3 | HIST 101 <i>or</i> HIST 102 | History Civ: Ancient/Medieval <i>or</i> History Civ: Early Modern |
| COMM 202 | Fundamentals of Speech | 3 | COMM 202 | Fundamentals of Speech |
| *MATH 114 <i>or</i> MATH 105 <i>or</i> MATH 108 <i>or</i> MATH 207 | *Elementary Probability & Statistics <i>or</i> College Algebra <i>or</i> Pre-Calculus <i>or</i> Calculus I | 3 | MATH 314 MATH 105 MATH 108 MATH 207 | Statistics <i>or</i> Algebra <i>or</i> Pre-Calculus <i>or</i> Calculus |
| | | 17 | | |
| Year 1 – Semester 2 | | | | |
| BIOL 102 | General Biological Science (B) (recommended) | 4 | BIOL 103 | General Biology I |
| EDUC 200 | Foundations of Education | 3 | EDUC 200 | Foundations of Education |
| ENGL 102 | Writing for Arts & Humanities | 3 | ENGL 102 | Writing and Rhetoric II |
| PHYS 103 | General Physical Science I | 4 | GSCI 103 | General Physical Science I |
| | | 14 | | |
| Year 2 – Semester 1 | | | | |
| PHYS 104 | General Physical Science II | 4 | GSCI 104 | General Physical Science II |
| EDUC 260 | Survey Exceptional Child | 3 | EDUC 360 | Survey Exceptional Child |
| CHEM 127 | General, Organic, and Biochem I | 4 | CHEM 207/207L | General Chemistry I & Lab |
| SOCI 203 | General Sociology | 3 | SOCI 203 | General Sociology |
| | | 14 | | |
| Year 2 – Semester 2 | | | | |
| CHEM 128 | General, Organic, and Biochem II | 4 | CHEM 209/209L | General Chemistry II & Lab |
| EDUC 220 | Social/Psych Cond Learn | 4 | EDUC 320 | Social/Psych Cond Learning |
| ART 103 <i>or</i> MUSC 111 <i>or</i> ENGL 215 | Introduction to Visual Arts Introduction to Music <i>or</i> Art of Literature | 3 | ART 103 <i>or</i> MUSC 111 <i>or</i> ENGL 215 | Introduction to Visual Arts Introduction to Music <i>or</i> Art of Literature |
| GSPE 210 | Fitness for Life | 3 | GSPE 210 | Fitness for Life |
| HIST 201 <i>or</i> HIST 202 | US History to 1877 <i>or</i> US History 1877-Present | 3 | HIST 201 <i>or</i> HIST 202 | US History to 1865 <i>or</i> US History 1865-Present |
| | | 17 | | |

| Upper-Level Course Rotation at Shepherd University | | | | | |
|--|---|--------------|----------------------------|--|-----------|
| Year 3 – Semester 1 | | | Year 3 – Semester 2 | | |
| CORE-Social Sciences | Choose CK, GL, or MD with Advisor (CC) – PSYC 101 Recommended | 4 | GSCI XXX | Earth and Space Science Elective I: Astronomy Group | 4 |
| BIOL 303/ENVS 401 | Ecological Science Elective | 4 | General Science Elective 2 | Select Elective with Advisor; Approval Needed | 4 |
| General Science Elective I | Select Elective with Advisor; Approval Needed | 4 | EDUC 380 | Technology in 21 st Century Teaching and Learning | 3 |
| PHYS or GSCI XXX | Physics Elective | 4 | PHYS or GSCI XXX | Physics Elective | 4 |
| | | 16 | | | 15 |
| Year 4 – Semester 1 | | | Year 4 – Semester 2 | | |
| General Science Elective 3 | Select Elective with Advisor; Approval Needed | 3-4 | EDUC 400 | Inclusion in the Regular Classroom | 3 |
| General Science Elective 4 | Select Elective with Advisor; Approval Needed | 3-4 | EDUC 457 | Student Teaching, Grades 9-12 | 9 |
| EDUC 370 | Creating Learning Environments | 4 | | | 12 |
| EDUC 423 | Special Methods of Teaching Science | 3 | | | |
| EDUC 443 | Reading in the Content Areas | 3 | | | |
| | | 16-18 | | | |

| General Science Specialization (5-Adult) program courses for transfer to Shepherd University | | | | |
|--|--|---|----------------------|---|
| BRCTC Course | | | Equivalent SU Course | |
| Core, STEM Core+, Program*, and Restricted^ Electives List | | | | |
| CHEM 125 | Intro to College Chemistry (B-) (recommended) | 4 | CHEM 100 | Recommended if no Chemistry in High School; not required for the program. |
| CHEM 127+ | General, Organic, and Biochem I | 4 | CHEM 207, 207L+ | General Chemistry I and Lab |
| CHEM 128+ | General, Organic, and Biochem II | 4 | CHEM 209, 209L+ | General Chemistry II and Lab |
| MATH 105+ | Algebra | 3 | MATH 105+ | College Algebra |
| MATH 114+^ | Elementary Probability & Statistics | 3 | MATH 314+^ | Statistics |
| MATH 207+^ | Calculus | 4 | MATH 207+^ | Calculus I |
| PHYS 103* | General Physical Science I | 4 | GSCI 103* | General Physical Science I |
| PHYS 104* | General Physical Science II | 4 | GSCI 104* | General Physical Science II |
| CAHS 103, 103L, 104, 104L* | General Physical Science | 8 | GSCI 103, 104* | General Physical Science |
| CJST 210^ | Introduction to Forensic Science | 3 | CHEM 250^ | Introduction to Forensic Science |
| GEOL 101* | Geology | 4 | GEOL 301* | Physical Geology |
| PSYC 203 | Introduction to Psychology | | PSYC 101 | Introduction to Psychology |
| BIOL 120^ | Anatomy & Physiology I | 3 | BIOL 225^ | Anatomy & Physiology I |
| BIOL 121^ | Anatomy & Physiology I Lab | 1 | BIOL 227^ | Anatomy & Physiology I Lab |
| BIOL 122 ^ | Anatomy & Physiology II | 3 | BIOL 226^ | Anatomy & Physiology II |
| BIOL 123^ | Anatomy & Physiology II Lab | 1 | BIOL 228^ | Anatomy & Physiology II Lab |
| CAHS 120, 121^ | Anatomy & Physiology I and Lab | 4 | BIOL 225, 227^ | Anatomy & Physiology I and Lab |
| CAHS 122, 123^ | Anatomy & Physiology II and Lab | 4 | BIOL 225, 226^ | Anatomy & Physiology II Lab |
| BIOL 220, 221^ | Microbiology and Lab | 4 | BIOL 302^ | Microbiology |
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RAC Notes:

Taking PHYS 104 General Physical Science reduces the courseload by 2-3 courses. (PHYS 104 fulfills both the Meteorology and Geology requirements)