

NORTH CENTRAL STATE COLLEGE

Bioscience 2014-2015

| FALL | | | | YEAR ONE |
|------------------------------|---------------|---|---|-----------------|
| Complete | Course Number | Course Title | Prerequisites | Credits |
| | BIOL 1230 | Biology I | WRIT 0090 and READ 0080 *, MATH 0074 (minimum grade of C-) or COMPASS Algebra score of ≥ 31 | 4 |
| | BIOL 2751 | Human Anatomy & Physiology | High School Chemistry (minimum grade of C-) or CHEM 1010 (minimum grade of C-), WRIT 0090 and READ 0080 * (minimum grade of C-), MATH0074 (minimum grade of C-) or COMPASS Algebra score of ≥ 31 | 4 |
| | BIOS 1010 | Introduction to Bioscience Lab Techniques | BIOL 2751c, CHEM 1030c, MATH 0074 | 4 |
| | BIOS1030 | Environmental Bioscience | BIOL 1550c, BIOL 2751c, BIOS 1010c | 3 |
| | CHEM 1030 | Chemistry | High School Chemistry (minimum grade of C-) or CHEM 1010 (minimum grade of C-) or ENGR 2800 (minimum grade of C-) within the last five years, MATH 0074 (minimum grade C-) or COMPASS score of ≥ 61 and Algebra score of ≥ 31 | 3 |
| Semester Credit Hours | | | | 18 |

| SPRING | | | | YEAR ONE |
|------------------------------|---------------|--------------------------------------|--|-----------------|
| Complete | Course Number | Course Title | Prerequisites | Credits |
| | BIOL 2752 | Human Anatomy & Physiology II | BIOL 2751 (minimum grade of C) | 4 |
| | BIOS 1210 | Histology | BIOL 2751, BIOS 1010, BIOS 1030, BIOS 1250c, CHEM 1030 | 4 |
| | BIOS 1250 | Pharmaceutical/Toxicology Bioscience | BIOS 1010, BIOS 1030, BIOS 1210c, BIOL 2752c | 5 |
| | ENGL 1010 | English Composition I | WRIT 0090 and READ 0080 * | 3 |
| Semester Credit Hours | | | | 16 |

| SUMMER | | | | YEAR ONE |
|------------------------------|---------------|--|--|-----------------|
| Complete | Course Number | Course Title | Prerequisites | Credits |
| | BIOL 1550 | Microbiology | | 3 |
| | COMM 1010 | Speech | | 3 |
| | ENGL 1030 | English Composition II | ENGL 1010 (minimum grade of C-) | 3 |
| | MATH 1030 | Variable Relationships: Algebra and Graphing | MATH 0074 (minimum grade of C-) or COMPASS Math score of ≥ 61 and Algebra score of ≥ 31 or ACT math score of ≥ 21 | 3 |
| Semester Credit Hours | | | | 12 |

| FALL | | | | YEAR TWO |
|------------------------------|---------------|-----------------------------------|---|-----------------|
| Complete | Course Number | Course Title | Prerequisites | Credits |
| | | Humanities Elective | | 3 |
| | BIOS 2410 | Advance Bioscience Lab Techniques | BIOS 1210, BIOS 1250, BIOS 2430m, MATH 1030 | 4 |
| | BIOS 2430 | Agriculture Bioscience | BIOS 1210, BIOS 1250, BIOS 2410m | 5 |
| Semester Credit Hours | | | | 12 |

| SPRING | | | | YEAR TWO |
|------------------------------|---------------|-------------------------|----------------------------------|-----------------|
| Complete | Course Number | Course Title | Prerequisites | Credits |
| | | Social Science Elective | | 3 |
| | BIOS 2510 | Forensic Bioscience | BIOS 2410, BIOS 2430, BIOS 2590m | 4 |
| | BIOS 2590 | Fieldwork/Seminar | BIOS 2410, BIOS 2430, BIOS 2510m | 6 |
| Semester Credit Hours | | | | 13 |
| TOTAL SEMESTER HOURS | | | | 71 |

c = Can be concurrent m = Must be concurrent

A grade of C or better in BIOL 1050, BIOL 1550, BIOL 2751, BIOL 2752, MATH 1030, CHEM 1030, and all BIOS courses is required to meet prerequisite and graduation requirements in the Bioscience program

Bioscience Curriculum Worksheet

| HUMANITIES ELECTIVES | | | | |
|----------------------|---------------|--------------------------------------|---------------|---------|
| Complete | Course Number | Course Title | Prerequisites | Credits |
| | ARTS 1030 | Art Appreciation | | 3 |
| | HIST 1010 | American Culture & History to 1877 | | 3 |
| | HIST 1030 | American Culture & History from 1877 | | 3 |
| | HUMA 1010 | Introduction to Humanities | READ 0080 ^ | 3 |
| | HUMA 1030 | Leadership & the Classics | | 3 |
| | HUMA 2999 | Special Topics in Humanities | | 3 |
| | MUSC 1010 | Music Appreciation | | 3 |
| | PHIL 1010 | Western Philosophy | | 3 |
| | PHIL 1030 | Philosophy of Religion | | 3 |
| | PHIL 1050 | American Philosophy | | 3 |
| | PHIL 1070 | Science, Art & Literature | | 3 |
| | PHIL 1090 | The History of the Future | | 3 |
| | PHIL 1110 | Ethics | | 3 |
| | PHIL 1130 | Philosophy & Science | | 3 |
| | PHIL 1170 | Eastern Philosophy | | 3 |
| | PHIL 2999 | Special Topics in Philosophy | | 3 |
| | THEA 1010 | Intro To Theatre | | 3 |

| SOCIAL SCIENCES ELECTIVES | | | | |
|---------------------------|---------------|---------------------------------|---------------|---------|
| Complete | Course Number | Course Title | Prerequisites | Credits |
| | COMM 2010 | Group Communication | | 3 |
| | COMM 2030 | Interpersonal Communication | | 3 |
| | COMM 2250 | Interviewing | | 3 |
| | COMM 2999 | Special Topics in Communication | TBD | 1 to 6 |
| | POLT 1010 | American Politics and Issues | | 3 |
| | PSYC 1010 | Introduction to Psychology | | 3 |
| | PSYC 1030 | Personal Adjustment | | 3 |
| | PSYC 1070 | Intro to Women's Studies | | 3 |
| | PSYC 1090 | Death, Grief, & Recovery | PSYC 1010 | 3 |
| | PSYC 2010 | Human Growth & Development | PSYC 1010 | 3 |
| | PSYC 2030 | Child Psychology | PSYC 1010 | 3 |
| | PSYC 2050 | Abnormal Psychology | PSYC 1010 | 3 |
| | PSYC 2070 | Human Sexuality | PSYC 1010 | 3 |
| | PSYC 2090 | Social Psychology | PSYC 1010 | 3 |
| | PSYC 2100 | Personality Theory | PSYC 1010 | 3 |
| | PSYC 2130 | Industrial/Organizational Psych | PSYC 1010 | 3 |
| | PSYC 2150 | Educational Psychology | PSYC 1010 | 3 |
| | PSYC 2170 | Forensic Psychology | PSYC 1010 | 3 |
| | PSYC 2999 | Special Topics in Psychology | TBD | 1 to 6 |
| | SOCY 1010 | Introduction to Sociology | | 3 |
| | SOCY 2010 | Cultural Diversity and Racism | SOCY 1010 | 3 |
| | SOCY 2030 | Marriage and Family | SOCY 1010 | 3 |
| | SOCY 2999 | Special Topics in Sociology | TBD | 1 to 6 |

c = Can be concurrent m = Must be concurrent

* COMPASS Writing ≥ 81 or 69-80 plus eWrite of 6 or ACT English ≥ 22 or 18-21 plus eWrite of 6 or WRIT 0090 and COMPASS Reading ≥ 80 or READ 0080

** Mandatory Math Placement - All incoming students will be required to take the COMPASS placement test and based on their COMPASS scores, students will be placed in appropriate mathematics courses. Successful completion (C- or better) of any math course is required in order to advance to the next higher level math course.

~ Prior to graduation, all students entering after Summer 2008, must receive credit for MATH 0074 Introduction to Algebra, or any math course above MATH 0074 or a COMPASS Algebra score of ≥ 31 , or an ACT Math score ≥ 21 .

^ Placement in WRIT 0090 or higher; students placed in READ 0080 cannot enroll in HUMA1010 until they have completed their reading course.

The College strongly recommends that students be covered by hospitalization insurance, which can be purchased through a private carrier. To obtain a brochure regarding insurance, contact the Student Success Center. (Rm 103 Kee Hall) or call toll free 888-755-4899, ext. 4761 or locally 419-755-4761.

Beginning Academic Year 14/15 FYEX 0050 SUCCESS! is required for all students new to North Central State College. Placement in the course is determined at the time of study skills assessment testing.