

## Major Code=004A/ UG25

|                                  |  |
|----------------------------------|--|
| Student Name:                    | Student ID #                               |
| 30 hours at ECU completed        | Advisor:                                   |
| 60 hours at Sr college completed |  |
| 40 hours upper level completed   | OSRHE Computer Proficiency Requirement met |

| Requirements  | Hours                            | Hours |
|---|----------------------------------|-------|
| <i>Courses highlighted in blue are general education courses.</i>   |                                  |       |
| <b>I. General Education</b>   | <b>40</b>                        |       |
| <i>A maximum of 12 hours may be counted in both the major/related work and general education.</i>   |                                  |       |
| <b>II. Major in Biology</b>   | <b>63-64</b>                     |       |
| A. Required Core Courses  | 19                               |       |
| BIOL 1114   | General Biology I                |       |
| BIOL 1134   | General Biology II               |       |
| BIOL 3434   | Genetics                         |       |
| <i>one of the following:</i>  |                                  |       |
| BIOL 3514   | General Physiology <b>OR</b>     |       |
| BIOL 3634   | Human Physiology                 |       |
| BIOL 4883   | Senior Seminar                   |       |
| B. Required in Medical Lab Science Concentration  | 41-42                            |       |
| BIOL 2344   | Microbiology                     |       |
| BIOL 3683   | Immunology                       |       |
| MEDTE 4117  | Clinical Microbiology            |       |
| MEDTE 4125  | Clinical Chemistry I             |       |
| MEDTE 4236  | Clinical Hematology              |       |
| MEDTE 4246  | Clinical Immunology              |       |
| MEDTE 4325  | Clinical Chemistry II            |       |
| MEDTE 4351  | Topics in Med Tech               |       |
| <i>one of the following:</i>  |                                  |       |
| BIOL 2184   | Human Anatomy <b>OR</b>          |       |
| BIOL 3245   | Comparative Vertebrate Anatomy   |       |
| <b>III. Required Related Work</b>   | <b>19-21</b>                     |       |
| CHEM 1114   | General Chemistry I              |       |
| CHEM 1214   | General Chemistry II             |       |
| CHEM 3114   | Organic Chemistry I              |       |
| CHEM 4213   | Biochemistry                     |       |
| CHEM 4221   | Biochemistry Lab                 |       |
| MATH 1513   | College Algebra + <b>OR</b>      |       |
| MATH 2825   | Calculus and Analytic Geometry I |       |
| <b>IV. Minor</b>  |                                  |       |
| Not required.   |                                  |       |
| <b>V. Electives</b>   | <b>10-13</b>                     |       |
| An elective course is any college-level course not required by the degree that is utilized to reach the 120 credit hours required for degree completion. Elective courses are chosen according to the interest of the student and can be used in completion of a minor, certificate, or additional major.   |                                  |       |
| <b>VI. Total Hours Required</b>   | <b>120</b>                       |       |
| <b>VII. Special Requirements</b>  |                                  |       |
| † With department approval, students may omit MATH 1513 and begin with MATH 2825.   |                                  |       |
| Students interested in the 3+1 degree program (ECU-OSUCOM) can apply for early admission to the OSU College of Osteopathic Medicine and earn an ECU bachelors degree in biology by completing the first year of medical school at OSUCOM (D.O. degree). Complete information on the program can be obtained from the Records Office or the Department of Biological and Environmental Sciences. |                                  |       |

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