ECU/OSU 3 + 1 Early Admission for Rural and Underserved Primary Care Degree Program- Leading to the B.S. in Biology (ECU) and the D.O. Medical Degree (OSU)

Degree Plan (Courses)
FRESHMAN YEAR

Fall:
1114-General Biology
1113-English Comp. I
1513-College Algebra or 2825 Calculus and Analytical Geometry I
1001-Freshman Seminar
----3- U.S. Govt or U.S. History course (6 total hours required)*

14 hours

Spring:
1114- General Zoology
1114- General Chemistry I
1213-English Comp. II
---3-communication course (computer literacy)*

14-17 hours

SOPHMORE YEAR

Fall:
1214-General Botany
1214- General Chemistry II
---4/5- biology elective course (i.e., Histology/ Comparative Vertebrate Anatomy)
---3- Communication course (speech or language)*
---3-* Humanities and Social Science Course (12 hours required- one course from 3 sections)*

15-19 hours
SOPHMORE YEAR

Spring:
---4-Biology Elective Course (i.e., Medical Entomology, Vertebrate Embryology)
---3-Government or History Course
---3- Humanities and Social Science Course (12 hours required- one course from 3 sections)*
3114- Organic Chemistry I
1513-Nutrition

17 hours

JUNIOR YEAR

Fall:
3434- Genetics
4313- Cell and Molecular Biology
1114- General Physics I
4114- Organic Chemistry II
---3- Humanities and Social Sciences (12 hours required- one course from 3 sections)*

18 hours

Spring:
---4- Biology Upper Level Elective Course (i.e., Human Physiology, organismal course- Mammalogy, Ornithology, Herpetology)
1214- General Physics II
---3- Humanities and Social Sciences (12 hours required- one course from 3 sections)*
4414-General Ecology
4881- Seminar

16 hours

*See Current Catalog for General Education Requirements for selection
SENIOR YEAR- FIRST YEAR OF MEDICAL SCHOOL

Fall:
BMF I - Biochemistry - 2 hours credit
BMF II - Medical Genetics, Molecular Biology, Developmental Anatomy - 3 hours credit
BMF III - Cell/ Tissue Biology - 2 hours credit
BMF VI - Pharmacology - 1 hour credit
Clinical Anatomy - 5 hours credit
Osteopathic Manipulative Medicine I - 2 hours credit
Medical Sciences (Physiology) - 4 hours credit

Spring:
BMF IV - Medical Immunology - 1 hour credit
BMF V - Medical Microbiology - 3 hour credit
Cardiovascular System - 4 hours credit
Respiratory System - 3 hours credit
Hematology System - 3 hours credit
Genitourinary System - 3 hours credit
Clinical Skills I - 4 hours credit
Osteopathic Manipulative Medicine II - 2 hours credit
Lab Medicine Focus Course (online) - 1 hour credit
Geriatrics Focus Course - 1 hour credit

Completion of first year of medical school = B.S. degree in Biology awarded by ECU
Completion of second, third, and fourth year of medical school= Doctor of Osteopathic Medicine awarded by OSU