

EWU PRE- MED/ PRE-DENT/ PRE-PHARM- BS BIOLOGY (2023)

SCC – CShaffer

(Associate in Arts – DTA option)

Name _____ SID _____ Date _____ Counselor _____

With careful planning and coordination with your college Counselor, the completion of your Associate in Arts, AA-DTA, allows you to pursue your bachelor's degree at a four-year college or university, having completed most if not all of the general university requirements, along with many courses toward your major.

First Quarter

ENGL& 101 - English Composition I 5cr (COMMUNICATION)

GUID 102 - Strategies for Success 3cr (ELECTIVE)

BIOL& 222 – Majors Cell/Molecular with Lab 5cr (SCIENCE)

*PSYC& 100 – Intro to Psychology 5cr (SOCIAL SCIENCE)

Second Quarter

BIOL& 223 – Majors Organismal Physiology with Lab 5cr (SCIENCE)

*SOC& 101 – Intro to Sociology 5cr (or other SOCIAL SCIENCE Group A) **(Look for a Writing Intensive “W” Course section)**

MATH 71 Essentials of Algebra 1 5cr (if needed per placement)

Third Quarter

BIOL& 221 – Majors Ecology/Evolution with Lab 5cr (SCIENCE)

MATH 72 Essentials of Algebra 2 5cr (if needed per placement)

*PE 187 2cr – (there are many Physical Ed classes you can choose from) (ACTIVITY)

*HLTH 101 - Health and Wellness 3cr (or other: HLTH 174/104/270) (HEALTH)

Fourth Quarter

MATH& 146 – Intro to Statistics 5cr (MATH/SCIENCE) (prep for MCAT)

CMST& 210 – Interpersonal Communications or a 2cr elective (ELECTIVE)

CHEM& 161 – General Chemistry with Lab 5cr (SCIENCE) (only offered Fall)

MATH& 141 – Pre-Calculus I 5cr (QSR - Quantative/Symbolic Reasoning)

HUM 107 – Intro to Cultural Studies 5cr (or CMST226 or 227) (HUMANITIES- **DIVERSITY for SCC/EWU**)

Fifth Quarter

CHEM& 162 – General Chemistry with Lab II 5cr (SCIENCE) (only offered Winter)

ENGL& 102- English Composition II 5cr (COMMUNICATION)

*POLS 125 – Global Issues 5cr (**EWU- Global Studies**) (or other SOCIAL SCIENCE Group B)

Sixth Quarter

CHEM& 163 – General Chemistry with Lab III 5cr (SCIENCE) (only offered Spring)

*MUSC& 109 – World Music 5cr (**EWU- Global Studies**) (or another humanities course) (HUMANITIES)

*PHIL 110 - Intro to Ethics 5cr (or other HUMANITIES) **(Look for a Writing Intensive “W” Course section)**

*When non bolded examples are used, students may choose **ANY COURSE** from that area of Associate in Biology - **Direct Transfer Agreement – A BIOL-DTA – WORKSHEET** in COMMUNICATION/QSR/HUMANITIES/SOCIAL SCIENCE/MATH SCIENCE/HEALTH PE /ELECTIVES.

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5cr are required in “W” Writing Intensive. Always check to make sure the class section you select for a “W”, is listed as a “W”.

5cr are required in “D” Diversity.

Student can choose Associate in Biology - DTA, if they plan to take MATH& 151 instead of MATH& 146. Some universities require Calculus I, other may require Statistics and some require both. Always check with receiving university to determine exact courses. EWU doesn't require calculus.

Many universities require 300 level Anatomy and Physiology; thus, it is not listed within this degree.

It is recommended the Biology and Chemistry series be completed at one institution to assure continuity of coursework.

<https://www.ewu.edu/cstem/biology/biology-pre-medicine-pre-dentistry-option-bs/>

Pre-Dentistry and Pre-Medicine

See the Department of Biology or Chemistry/Biochemistry sections of this catalog for curriculum descriptions.

Department of Biology

Rebecca Brown
David Daberkow
Charles Herr
Joanna Joyner-Matos
258 Science Bld.
509.359.2339

Department of Chemistry / Biochemistry

Nick Burgis
Jeff Corkill
226 Science Bld.
509.359.2447

Undergraduate Programs

Admission requirements for Schools of Medicine, Dentistry or Veterinary Medicine are typically satisfied by a Bachelor of Science degree in either biology or chemistry with substantial coursework from both disciplines. The requirements of these professional schools are so demanding and frequently variable that it is imperative students contact a pre-medical, pre-dental or pre-veterinary medicine advisor immediately upon deciding to earn a degree in one of these areas and work closely with that advisor in developing a complete curriculum. The program of study may vary for each student dependent on his/her preparation, background or specific interests. Other majors may be chosen if the basic requirements are met (two years each of biology and chemistry, one year of physics with supporting mathematics and typically one year of biochemistry and/or molecular biology). As a part of the selection process for admission to professional school, pre-medical and pre-dental students must also take a nationally administered evaluative test (Medical College Admission Test or Dental College Admission Test respectively); these tests are largely based on the science requirements previously noted, Mathematics Applied Quantitative Assessments, English Comprehension and writing. Since the MCAT or DAT is typically taken either

at the end of the third or beginning of the fourth academic year, it is imperative that students complete the basic science requirements during the first three years of study. For additional curriculum information and a complete list of courses required in a four-year program of study leading to the Bachelor of Science degree, see major option descriptions under the Biology or Chemistry/Biochemistry Departments. Note that majors in these areas of study offered by the two departments principally differ only in the fourth year.

Because admission requirements can vary between individual professional schools, it is imperative that students directly contact schools of interest and ascertain specific requirements prior to the application process. Publications such as *Medical School Admission Requirements and Admission Requirements of American Dental Schools* provide profile information on a school-by-school basis regarding admitted students. Students must realize that admission to professional school is highly competitive and thus uncertain—nothing assures admission.

General Admissions Requirements for Majors in Pre-Medicine, Pre-Dentistry or Pre-Veterinary Medicine

In order to complete degree requirements in four years and be prepared for professional school admission tests at the end of three, it is essential that students are enrolled in college-level chemistry and biology courses at the inception of their pre-professional curriculum. Thus preparation at the high school level should include one year each of biology, chemistry and physics as well as three or four years each of English and mathematics (through pre-calculus). Students transferring from other institutions including community colleges should consult with Eastern's Admissions Office for information regarding course equivalencies. Students are encouraged to contact Eastern's pre-professional advisors prior to enrollment.