

EWU PRE-MECHANICAL ENGINEERING BS 2023-2024

NOT CALCULUS READY

Name _____ SID _____ Date _____ Counselor _____

With careful planning and coordination with your college Counselor, the completion of your Associate in Arts, AA-DT A, 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)

MATH 71 Essentials of Algebra I 5cr (if needed, based on placement)

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

Second Quarter

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

MATH 72 Intermediate Algebra 5cr (if needed, based placement) (linked with MATH& 141}

MATH& 141- Precalculus I 5cr (QUANTITATIVE/SYMBOLIC REASONING - Q/SR)

Third Quarter

MATH& 142 - Precalculus II 5cr (MATH/SCIENCE)

PHIL 110 --- Intro to Ethics 5cr "W" (look for a Writing Intensive section) (HUMANITIES)

*PSYC& 100 - Intro to Psychology 5cr (or other SOCIAL SCIENCE)

Fourth Quarter (SUMMER)

PHYS 100 - Intro to Physics 5cr (prep for Physics 201) (LAB SCIENCE)

CMST 227 - Intercultural Communication or CMST 226 or HUM 107 5cr (HUMANITIES-DIVERSITY SCC/EWU)

*ECON 100 - Fundamentals of Economics 5cr (or any other Social Science Group B) (SOCIAL SCIENCE)

Fifth Quarter

MATH& 151- Calculus I 5cr (REQUIRED ELECTIVE)

CHEM& 161- General Chemistry with Lab I 5cr (REQUIRED LAB SCIENCE)

ENGR 120 - Intro to Engineering Computation 2cr (REQUIRED ELECTIVE) (at SFCC)

Sixth Quarter

MATH& 152 - Calculus II 5cr

ENGR 103 - Engineering Graphics/CAD 5cr (REQUIRED ELECTIVE) (at SFCC)

*POLS 125 - Intro to Global Issues 5cr (SOCIAL SCIENCE/GLOBAL STUDIES at EWU)

*PE 188 2cr - (there are many Physical Ed classes you can choose from) (ACTIVITY)

Seventh Quarter

MATH& 153 - Calculus III 5cr

ENGR 240-Applied Numerical Methods for Engineers 3cr - (REQUIRED ELECTIVE) (at SFCC)

*ART& 100-Art Appreciation 5cr (or any other third subject HUMANITIES)-----AA-DTA Completed

*When non bolded examples are used. students may choose **ANY COURSE from that area of Associate in Arts- Direct Transfer Agreement - AA-OTA - WORKSHEET** in COMMUNICATION/QSR/HUMANITIES/SOCIAL SCIENCE/MATH SCIENCE/HEALTH PE /ELECTIVES.

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

5cr are required in **"D"** Diversity. CMST 227, 226, HUM107 all meet sec and EWU's Diversity requirement.

POLS 125 meets EWU's Global Studies requirement and SCC's Social Science Group B option, as does POLS& 203 or HIST 230.

Students may transfer to SFCC or on to EWU for the third year

Eight Quarter

PHYS 201- Engineering Physics I 5cr

MATH 220 - Elementary Linear Algebra
5cr

Ninth Quarter

PHYS 202- Engineering Physics II 5cr

MATH& 254 - Calculus IV 5cr

Tenth Quarter

PHYS 203 - Engineering Physics III 5cr

MATH 274- Elementary Differential
Equations 5cr