

EWU PRE-MECHANICAL ENGINEERING BS (2020-21) SCC – CShaffer

NOT CALCULUS READY

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)

MATH 96 – Elementary Algebra 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 99 – 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-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 “W”.

5cr are required in “D” Diversity. CMST 227, 226, HUM107 all meet SCC 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