



The University of Arizona- Yuma Academic Program
 Bachelor of Science – Systems Engineering
 2018-2019 Curriculum Check List
 UNOFFICAL PLANNING GUIDE



ARIZONA WESTERN COLLEGE COURSES

ARIZONA GENERAL EDUCATION (AGEC-S)

Course Units **COMPLETED**

A. Freshman Composition

- a) ENG 101 Fresh. Comp. 3 _____
- b) ENG102 Fresh. Comp. 3 _____

B. Mathematics

- a)+MAT 220 Calculus I 5 _____

C. Arts and Humanities

- a) PHI 105 Intro Ethics (rec,WI) 3 _____
- b) Arts 3 _____

D. Social and Behavioral Sciences

- a) ECN 250 Microecon.(rec) 3 _____
- b) ECN 240 Macroecon (rec) 3 _____

E. Physical and Biological Sciences

- a)+CHM 151 Gen. Chemistry I 4 _____
- b)+CHM 152 Gen. Chemistry II 4 _____

F. Additional Courses

- a)+MAT 262 Intro. Diff. Equ. 3 _____
- b)+PHY 121 Mechanics 4 _____

Major Area Support Courses (AWC)- 27 credits

- +EGR123 Intro. Struct. Program 3 _____
- +EGR188 Fund. Egr Design 4 _____
- EGR 207 Intro. Electrical Eng. 3 _____
- EGR 251 Statics 3 _____
- +MAT 230 Calc II w/Ana. Geo 5 _____
- +MAT 241 Calc III w/Anal. Geo. 4 _____
- +PHY 131 Electricity & Mag 4 _____

AS in Engineering 64 Total Units

Completion of AGECS and selected coursework would permit a student eligibility for an AS in Engineering through AWC. AGECS completion must be listed on transcripts

UNIVERSITY OF ARIZONA-YUMA COURSES

Major Courses–Systems Engineering Units **COMPLETED**

- SIE 250 Intro to SIE 3 _____
- SIE 265 Egr Management 3 _____
- SIE 270 Math. Foundations of SE 3 _____
- SIE 277 Obj. Oriented Design 3 _____
- SIE 295S Colloquium 1 _____
- SIE 305 Egr Prob & Stats 3 _____
- SIE 321 Prob Models Operations 3 _____
- SIE 330R Engr Experiment Design 3 _____
- SIE 340 Deterministic Operations 3 _____
- SIE 370 Embedded Computer Systems 4 _____
- SIE 410 Human Factors & Ergo Design 3 _____
- SIE 431 Simulation & Modeling 3 _____
- SIE 454A Systems Engineering Process 3 _____
- SIE 498A Senior Design 3 _____
- SIE 498B Senior Design 3 _____
- ENGV 308 Technical Writing 3 _____
- Tech Electives 18 _____

Total Credits for Graduation 128

Minor Options- Select from the following options:

- Math
- Computer Science
- Spanish
- Others

Associate's Degree AWC Units	64	units
UA Units (56 units min.)	64	units
Total Units (Bachelors)	128	units
Minor	18	units

+Indicates prerequisite courses to apply into UA program

For Information Contact:

AWC Advisement Services
 928-344-7624
advising@azwestern.edu

Dr. Samuel Peffers
 928-317-7067
samuelpeffers@email.arizona.edu
 University of Arizona, Yuma
 on the Arizona Western College campus
 Engineering Building Room EB122

