

UA YUMA : BIOSYSTEMS ENGINEERING BS

Below is the advised sequence of courses for this degree program and prerequisites as of 11/01/21.

The official degree requirements and prerequisites found in the University General Catalog and the prerequisites are subject to change.

Course Numer and Title	UNITS	PREREQUISITES
1ST Semester (Fall)		
BE 201 Introduction to Biosystems Engineering	2	CAL I
BE 221 Introduction to Computer Aided Design	3	
BE 284 Biosystems Thermal Engineering	3	MATH 129; PHYS 141
BE 310 Introductions to Biosystems Analytics	3	
SIE 265 Engineering Management	3	
** ENGR 251 STATICS at AWC Total Units Semester		14 *Apply for Advanced Standing with Dava in October. Transfer ENGR 251 to UA prior to January
2nd Semester (Spring)		
BE 205 Engineering Analytic Computer Skills	3	BE 201
CE 218 Mechanics of Fluids	3	ENGR 251 AWC
ENGL 308 Technical Writing	3	
SIE 305 Engineering Probability and Statistics	3	Advanced Standing
BE 493 Internship (<i>To be completed prior to taking BE 496A</i>)	1	Advanced Standing
SIE 370 Embedded Compt Systems (<i>Tech 1</i>)**	4	Advanced Standing
Total Units Semester		17
3rd Semester (Fall)		
BE 385 Precision Observation with Drones (<i>Design1</i>)	3	Advanced Standing
BE 434 Biosystems Analytics (<i>Tech2</i>)	3	Advanced Standing
BE 447 Sensors and Controls	3	Advanced Standing
BE 455 Soil & Water Resources (<i>Design 2</i>)	3	Advanced Standing
BE 498A Senior Capstone	3	Advanced Standing
BE 496A Sem. ENGR Careers & Professionalism	1	Advanced Standing
Total Units Semester		16
4th Semester (Spring)		
SIE 330R EGR Design of Experiments(<i> Add.Engr Course 1</i>)	3	Advanced Standing
BE 423 Biosystems Analysis and Design	3	Advanced Standing
BE 498B Senior Capstone	3	Advanced Standing
PLS 475 Plant Physiology (<i>Tech 2</i>)	3	Advanced Standing
BE 485 Remote Sensing (<i>Design 3</i>)	3	Advanced Standing
Total Units Semester		15

Total Units at UA	62	
Total Units at AWC	67	
**Total units for BE UAYuma	129	*UABE total Degree Requirements 128

Requirements for AWC-UAYuma BE ENGR students
After AWC Spring Semester Grades post send Official transcripts to UA prior to Summer Orientation.
Students must complete ENGR 251 in the Summer prior to starting at UA Yuma or in the 1st Fall semester at UA Yuma. After ENGR 251 grades post, Send Official AWC Transcript to UA prior to January (UACE 218 requirement)