2024-2025 ASSOCIATE IN SCIENCE (A.S) AWC ADVISEMENT CHECK SHEET

To help you decide upon which courses to include in both the major and elective blocks, you and your advisor should consult university requirements (aztransfer.com) for specific required and recommended courses. Sign in to your Self-Service Student Planning account to load the recommended program map and to track your academic progress.

ENGINEERING

Student Name	ID #	Advisor	Major Code: AS.ENGIN Credits: 64

This program prepares students for a wide variety of engineering majors at the university. Students should work closely with an Academic Advisor in their choice of courses as they consider which engineering specialty best fits their career goals.

Required Major Courses (7 Credits)		Cr	Sem	Notes
EGR 123	Structured Programming	3		
	EGR 123 prerequisite: MAT 150 and MAT 183 or MAT 151 and MAT 183 or MAT 187			
EGR 188	Fundamentals of Engineering Design	4		
Other Departmental Requirements (13 Credits)		**Cr**	**Sem**	**Notes**
MAT 230	Calculus II with Analytic Geometry	5		
MAT 241	Calculus III with Analytic Geometry	4		
PHY 131	Univeristy Physics II	4		
Arizona General Education Curriculum - AGEC-S (38 Credits)		**Cr**	**Sem**	**Notes**
See the AGEC-S course list in the current catalog for selection of courses.				
English Composition (6 credits)				
ENG 101 or 107	Freshman Composition	3		
ENG 102 or 108	Freshman Composition	3		
Mathematics (5 credits)				
MAT 220	Calculus I with Analytic Geometry **OR** approved higher level math	5		
	MAT 220 prerequisite: MAT 150 and MAT 183 or MAT 151 and MAT 183 or MAT 187			
Arts/Humanities - Select at least one course from the Arts list and one course from the Humanities list. (6 credits)				
	Arts:			
	Humanities:			
Social and Behavioral Sciences (6 credits)				
Physical and Biological Sciences (8 credits)				
CHM 151	General Chemistry I	4		
	CHM 151 prerequisite: MAT 150 or MAT 151 or approved higher level math			
CHM 152	General Chemistry II	4		
Additonal Courses (7 credits)				
MAT 262	Introduction to Ordinary Differential Equations	3		
PHY 121	University Physics I	4		
General Electives (6 credits)		**Cr**	**Sem**	**Notes**
EGR 207, EGR 251, and EGR 252 recommended				

***Dual Application of Courses** is the sharing of coursework between the AGEC and major or program requirements which allows the student to meet both requirements with a single course. Students must still meet the required number of credits to satisfy the program or degree.

List any courses used to satisfy program or degree credits due to dual application and or courses that satisfy the Cultural (C) and Global (G) or Historical (H), or Writing Intensive (WI) awareness areas.		
		Dual App
		Dual App
		C or G
		H
		WI