

## 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 for specific required and recommended courses.

### ENGINEERING

<b>Student Name</b>	<b>ID #</b>	<b>Advisor</b>	<b>Major Code: AS.ENGIN</b> <b>Credits: 64</b>
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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	Gr	Sem	App*	Notes
EGR 123 Structured Programming	3				
EGR 188 Fundamentals of Engineering Design <span style="color: orange;">SUN#</span>	4				
Other Departmental Requirements (13 Credits)	Cr	Gr	Sem	App*	Notes
MAT 230 Calculus II with Analytic Geometry <span style="color: orange;">SUN#</span>	5				
MAT 241 Calculus III with Analytic Geometry <span style="color: orange;">SUN#</span>	4				
PHY 131 Electricity and Magnetism <span style="color: orange;">SUN#</span>	4				
General Education Requirements (38 Credits)	Cr	Gr	Sem	App*	Notes

See the AGEC-S course list in the current catalog for selection of courses.

English Composition (6 credits)					
ENG 101 Freshman Composition <span style="color: orange;">SUN#</span>	3				
ENG 102 Freshman Composition <span style="color: orange;">SUN#</span>	3				
Mathematics (5 credits)					
MAT 220 Calculus I with Analytic Geometry <span style="color: orange;">SUN#</span> OR approved higher level math	5				
Arts/Humanities - Select at least one course from the Arts list and at least 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 <span style="color: orange;">SUN#</span>	4				
CHM 152 General Chemistry II <span style="color: orange;">SUN#</span>	4				
Additional Courses (6-8 credits)					
MAT 262 Introduction to Ordinary Differential Equations <span style="color: orange;">SUN#</span>	3				
PHY 121 Mechanics <span style="color: orange;">SUN#</span>	4				
General Electives (6 credits)	Cr	Gr	Sem	App*	Notes
EGR 207, EGR 251, EGR 252, SIE 270, and SIE 277 are 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. This dual application of courses gives students the opportunity to include additional course work under general electives.

List any courses used to satisfy program or degree credits due to dual application:	Cr	Gr	Sem	App*	Notes

One cultural (C) course and one global (G) or historical (H) course are required. Two writing intensive (WI) courses are required. ENG 101 is a prerequisite for all WI courses. Consult the current catalog for a list of approved courses.