

## 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>

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.

For a recommended sequence of courses, view the program map in Self-Service or contact an Advisor.

Required Major Courses (7 Credits)	Cr	Gr	Sem	App*	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				
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Other Departmental Requirements (13 Credits)	Cr	Gr	Sem	App*	Notes
MAT 230   Calculus II with Analytic Geometry	5				
MAT 241   Calculus III with Analytic Geometry	4				
PHY 131   University Physics II	4				

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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)	Cr	Gr	Sem	App*	Notes
ENG 101   Freshman Composition <b>OR</b>	3				
ENG 107   First-Year Composition I (for Multilingual Writers)					
ENG 102   Freshman Composition <b>OR</b>	3				
ENG 108   First-Year Composition II (for Multilingual Writers)					

Mathematics (5 credits)	Cr	Gr	Sem	App*	Notes
MAT 220   Calculus I with Analytic Geometry <b>OR</b> 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)	Cr	Gr	Sem	App*	Notes
Arts:					
Humanities:					

Social and Behavioral Sciences (6 credits)	Cr	Gr	Sem	App*	Notes

Physical and Biological Sciences (8 credits)	Cr	Gr	Sem	App*	Notes
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				
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Additional Courses (6-8 credits)	Cr	Gr	Sem	App*	Notes
MAT 262   Introduction to Ordinary Differential Equations	3				
PHY 121   University Physics I	4				

General Electives (6 credits)	Cr	Gr	Sem	App*	Notes
EGR 207, EGR 251, and EGR 252 are recommended.					

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

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One cultural (C) course and one global (G) or historical (H) course are required. Two writing intensive (WI) courses are required. ENG 101 or 107 is a prerequisite for all WI courses. Consult the current catalog for a list of approved courses.