

Associate of Science in Engineering Physics

Requirements

Each candidate is required to complete the University requirements for the A.S. degree (see page 2) and the following courses:

Course Number	Course Title	Credit Hours	When Offered
CH 151	Fundamentals of Chemistry I (or BI 102)	5	Fall
EG 250	Engineering Mechanics: Statics	3	Fall
EG 351	Engineering Mechanics: Dynamics	3	Spring
MA 151	Calculus and Analytic Geometry I	5	Fall/Spring
MA 152	Calculus and Analytic Geometry II	5	Fall/Spring
MA 253	Calculus and Analytic Geometry III	3	Fall/Spring
PS 281	General Physics I	5	Spring
PS 282	General Physics II	5	Fall
Twelve credit hours from the following electives:			
CH 152	Fundamentals of Chemistry II	5	Spring
EG 116	Engineering Graphics	3	Spring
EG 360	Mechanics of Materials	3	Spring
MA 301	Linear Algebra	3	Fall
MA 331	Differential Equations	3	Spring
PS 3XX	Any 300 level PS course	1-3	Varies
University Requirements			
EN 101	First-Year Writing	3	Fall/Spring
WU 101	The Washburn Experience	3	Fall/Spring
	Humanities Elective	3	Fall/Spring
	Humanities Elective	3	Fall/Spring
	Social Science Elective	3	Fall/Spring
	Social Science Elective	3	Fall/Spring

University Requirements for the Associate of Science Degree

- ▶ Minimum of 64 credit hours, 42 of which must be graded.
- ▶ At least 15 of the last 30 credit hours must be completed at Washburn University.
- ▶ 3 credit hours of English composition (EN 101).
- ▶ 3 credit hours of mathematics (MA 116 or higher).
- ▶ 3 credit hours of The Washburn Experience (WU 101).
- ▶ 18 credit hours of General Education electives:
 - ◆ At least 6 credit hours in Humanities (CN 150 Public Speaking (3) recommended)
 - ◆ At least 6 credit hours in Natural Sciences, Mathematics and Statistics (fulfilled with CH 151 & MA 151)
 - ◆ At least 6 credit hours in Social Sciences (EC 100 Introduction to Economics (3) recommended)

In each general education group, courses taken must be in at least two subject areas.

Humanities	Natural Sciences, Mathematics and Statistics	Social Sciences
<ul style="list-style-type: none"> • English (excluding EN 100, 101, 102, 200, 300) • Art • Communication • Mass Media • Modern Languages • Music • Philosophy • Religion • Theatre 	<ul style="list-style-type: none"> • CH 151 Chemistry I • MA 151 Calculus I 	<ul style="list-style-type: none"> • Anthropology • Economics • Geography • History • Political Science • Psychology • Sociology
<p><i>Please consult the University Catalog for approved general education courses</i></p>		

- ▶ Cumulative grade point average of at least 2.0 and a grade of C or better in each course in the major, EN 101, and WU 101.

Please direct questions to:

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