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**
• English (excluding EN 100, 101, 102, 200, 300) • Art • Communication • Mass Media • Modern Languages • Music • Philosophy • Religion • Theatre	• CH 151 Chemistry I • MA 151 Calculus I	• Anthropology • Economics • Geography • History • Political Science • Psychology • Sociology
Please consult the University Catalog for approved general education courses		

- 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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http://www.washburn.edu/physics