2015-2016 Catalog Year - MAPP
Aerospace Engineering (Aeronautics) (BSE)

ASU Major

Aerospace Engineering (Aeronautics), BSE - [Ira A. Fulton Schools of Engineering]

Special Requirements

Completion of the Maricopa to ASU Engineering Pathway and all special requirements meets ASU major map requirements and guarantees admission to the Aerospace (Aeronautics), Aerospace (Astronautics), Aerospace (Autonomous Vehicle) Engineering, Mechanical Engineering, Mechanical Engineering (Computational Mechanics), or Mechanical Engineering (Energy & Environment) BSE degree program. Note: Engineering Core Courses should be completed prior to enrolling in any additional lower division requirement courses. While requirements listed will meet ASU degree requirements, only 64 credit hours are transferable to ASU. Special Requirements: 3.0 transfer GPA as calculated by ASU for admissions. All courses must be completed with a grade of "C" or better.

*USE 1100103017 Maricopa Co Cc Dist Course Requirements

Required Courses	Pathway Credits	AGEC-S	Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
Engineering Core							
ENG 101: First-Year Composition ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•		•		C	
ENG 102: First-Year Composition ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•		•		C	
CHM 150: General Chemistry I AND CHM 151LL:	4-5	•			•	C	

General Chemistry I Laboratory SUNY CHM 1151 OR CHM 151: General Chemistry I AND CHM 151LL: General Chemistry I Laboratory SUNY CHM 1151 OR CHM 150AA: General Chemistry I SUNY CHM 1151 OR CHM 151AA: General Chemistry I SUNY CHM 1151					
CHM 152: General Chemistry II AND CHM 152LL: General Chemistry II Laboratory SUNY CHM 1152	4	•		•	C
ECE 102: Engineering Analysis Tools And Techniques AND ECE 103: Engineering Problem Solving and Design SUNY EGR 1102	4			•	C
MAT 220: Calculus With Analytic Geometry I OR MAT 221: Calculus With Analytic Geometry I	4-5	•		•	C
MAT 231: Calculus With Analytic Geometry II	4	•		•	C
MAT 241: Calculus With	4	•		•	C

Analytic Geometry III					
MAT 277: Modern Differential Equations	3	•	•	C	
PHY 121: University Physics I: Mechanics SUN# PHY 1121	4	•	•	C	
PHY 131: University Physics II: Electricity and Magnetism SUN# PHY 1131	4	•	•	C	
Humanities and Fine Arts AND Awareness Area	3	•	•	C	Humanities, Arts and Design (HU) and Social Behavioral Sciences (SB) requirements: select courses that ensure completion of all three awareness areas (historical, global and cultural).
Social and Behavioral Sciences AND Awareness Area	3	•	•	C	
Additional Lower Division Requirements					
MAT 225: Elementary Linear Algebra	3		•	C	Additional Lower Division Requirements: Complete additional lower division requirements not to exceed 64 total transfer credits. Students should complete MAT 225, ECE 214, ECE 215, ECE 105 or CSC

					110 and ECE 216/216LL before taking other additional courses listed. All other additional requirements listed can be completed after transfer to ASU.
	ECE 214: Engineering Mechanics	4	•		C
	ECE 215: Mechanics Of Materials	3	•		C
	ECE 105: Matlab Programming OR CSC 110: Introduction to Computer Science	1-3		•	C
	ECE 216: Computer-aided Engineering AND ECE 216LL: Computer-aided Engineering Laboratory	3		•	C
	EEE 202: Circuits And Devices	0-5		•	C
	Humanities and Fine Arts AND Awareness Area	0-3		•	C
	Social and Behavioral Sciences AND Awareness Area	0-3		•	C
	Required Credits	**61**			

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education. The applicability of the specific course toward a degree depends on the requirements of the department, division, college or

school in which you are enrolled at ASU. Students are responsible for working with their advisor to confirm all transfer transcripts are on file with ASU. For more information: https://transfer.asu.edu/credits