

# Electrical Engineering Flow Chart

## 2022 – 2023 Catalog Year

				Required Courses				
				1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	3 <sup>rd</sup> Semester	4 <sup>th</sup> Semester	5 <sup>th</sup> Semester
<b>MATHEMATICS:</b>	<i>Prerequisite Courses (if needed)</i>							
MAT 051, 052, 053, 055, 056, 057 (1 credit each) Diagnostic Math Modules	MAT 121/122 (3-4) Intermediate Algebra	MAT151/152 (3-4) College Algebra and	MAT 182 (3) Trigonometry  OR MAT 187 (5) Pre-Calculus	MAT 220/221 (4-5) Calculus I	MAT 230/231 (4-5) Calculus II	MAT 240/241 (4-5) Calculus III	MAT 276/277 (3-4) Modern Differential Equations	
<b>PHYSICS:</b>		PHY 111 (4) General Physics I	PHY 112 (4) General Physics II OR 1 year high school physics*		PHY 121 (4) University Physics I: Mechanics	PHY 131 (4) University Physics II: Electricity & Magnetism	PHY 241 (4) University Physics III: Thermodynamics, Optics, and Wave Phenomena	
<b>CHEMISTRY:</b>			CHM 130 (3) & CHM 130LL (1) Fundamental Chemistry OR 1 year high school chemistry*	CHM 151 (3) & CHM 151LL (1) General Chemistry I and General Chemistry I Laboratory	CHM 152 (3) & CHM 152LL (1) General Chemistry II and General Chemistry II Laboratory			
<b>ENGINEERING:</b>				ECE 102 (2) Engineering Analysis Tools & Design	ECE 103 (2) Engineering Problem Solving & Design CSC 100 (3) Introduction to Computer Science	CSC/EEE 120 (4) Digital Design Fundamentals	EEE 202 (5) Circuits and Devices I  CSC/EEE 230 (4) Computer Organization and Assembly Language	EEE 203 (3) Signals and Systems  Transfer to ASU-Tempe as EEE 203 (3)  <b>Coming soon.</b>
<b>ENGLISH:</b>			WAC 101 (3) Writing Across the Curriculum	ENG 101 (3) First Year Composition I			ENG 102 (3) First Year Composition II	
<b>GENERAL EDUCATION:</b>				SB chosen from COM 100 or COM 110 or COM 230 (3) Introduction to Human Communication or Interpersonal Communication or Small Group Communication	Recommended Humanities course:  ECE 150 (3) Exploring Engineering and its impact on Society.	HU with L and C (3) See Academic Advisor for more information. DAH 255, ENH 255, or MHL 204 recommended.		

Minimum transfer GPA of 3.00 as calculated by ASU for admission for 24 or more transfer hours. \*\*Be sure to check MAPP (ASU Pathway Agreement) for requirements. Link to BSE Electrical Engineering (Electric Power and Energy Systems):

<https://webapp4.asu.edu/transerpathwaybuilder/public?year=2021&extOrgId=MARICOPA&acadPlan=ESEEEPBSE>