

BS: (COOPERATIVE) ENGINEERING SCIENCE DEGREE PLAN (ENGS) BSEE: Electrical Engineering From The University of Texas at Arlington	
UNIVERSITY Requirements	
Please see the University Requirements section of this catalog (page 36).	
MAJOR REQUIREMENTS	
Physics	
PHYS 120 Engineering Physics I	(3) ¹
PHYS 121 Engineering Physics I Lab	(1) ¹
PHYS 122 Engineering Physics II Lecture	(3) ¹
PHYS 123 Engineering Physics II Lab	(4) ¹
PHYS 230/231 Modern Physics Lecture/Lab	4
Engineering	
ENGR 115/116	4
ENGR 220 Engineering Mechanics: Statics	3
ENGR 222 Engineering Mechanics: Dynamics	3
ENGR 335/336 Introduction to Electronics Lecture/Lab	3
ENGR 388 Network Analysis	3
Successful completion of 32 hours of engineering courses at the University of Texas at Arlington (≥C)	32
TOTAL	52
¹ Hours (in parentheses) may also fulfill university requirements and are not included in total major hours	
SUPPLEMENT FOR MAJOR	
Chemistry	
CHEM 133 General Chemistry I	3
CHEM 131 General Chemistry I Lab	1
CHEM 132/134 General Chemistry II Lecture/Lab	4
Computer Science	
CS 120 Programming I	3
CS 130 Programming II and Data Structures	3
Mathematics	
MATH 185 Calculus I	(3) ¹
MATH 187 Calculus Computer Lab	1
MATH 186 Calculus II	3
MATH 286 Calculus III	3
MATH 287 Projects in Calculus	1
MATH 361 Ordinary Differential Equations	3
History	
HIST 117, 118, 221, 222	(6) ¹
TOTAL	25
¹ Hours (in parentheses) may also fulfill university requirements and are not included in total major hours	
ELECTIVES	
Minimum	0
TOTAL MAJOR HOURS	78
OTHER GRADUATION REQUIREMENTS	
Only courses ≥C transfer to UTA Only courses ≥C at UTA can be used toward completion	
Minimum GPA for acceptance to UTA	2.50
Minimum advanced hours	33
Minimum total ACU hours	99
Minimum total hours	130
Courses numbered 0** do not count in minimum hours required for degree.	

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[HIST 222](#) American History II

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