ENGINEERING—ELECTRICAL AND COMPUTER

Associate in Science

Note: Courses listed on degree plan are suggested. Students should consult with their advisor concerning their unique transfer decisions.

General Education Courses		
Arts & Humanities		
Select two of the following recommended courses:		6
ART 110	Introduction to the Visual Arts	
HIST 103	United States to 1877	
HIST 104	United States Since 1877	
MUSC 100	Music Appreciation	
PHIL 210	Ethics	
Social & Behavioral Sciences		
ECON 201	Principles of Microeconomics	3
Select one of the following recommended courses:		3
CJ 201	Introduction to Criminal Justice	
ECON 202	Principles of Macroeconomics	
POLS 115	American Government	
PSYC 111	Introduction to Psychology	
SOC 110	Introduction to Sociology	
Written Communications		
ENGL 110	College Composition I	3
Select one of the following:		3
ENGL 120	College Composition II	
ENGL 125	Introduction to Professional Writing	
Oral Communications		
COMM 110	Fundamentals of Public Speaking	3
Math, Science & Technology		
MATH 165	Calculus I	4
CHEM 121	General Chemistry I	4
CHEM 121L	General Chemistry I Lab	1
PHYS 251	University Physics I	4
PHYS 251L	University Physics I Lab	1
Select from the following recommended courses:		3
(Needed if 15 credits for Math, Science & Technology have not been met.)		
CSCI 101	Introduction to Computers [1]	
CIS 147	Principles of Information Security [1]	
Enrichment		
Enrichment Course Matrix - may be fulfilled with applicable Arts & Humanities course		2
Diversity		
General Education Matrix - may be fulfilled with applicable Arts & Humanities course or Social & Behavioral Sciences course		

Digital Literacy Requirements	
Select one of the following:	
CSCI 101	Introduction to Computers [1]
CIS 147	Principles of Information Security [1]
BSC Approved Training Course	
NDUS Institution Approved Training Course	
NDUS Institution Designated Digital Literacy Course	

Engineering Requirements		
PHYS 252	University Physics II	4
PHYS 252L	University Physics II Lab	1
MATH 166	Calculus II	4
MATH 227	Applied Linear Algebra	3
MATH 265	Calculus III	4
MATH 266	Introduction to Differential Equations	3
EE 206	Circuit Analysis	3
EE 206L	Circuit Analysis Lab	1
Total Required Credits for Electrical and Computer Engineering		**63**
Engineering Electives		
CIS 185	Introduction to Programming	3
CSCI 160	Computer Science I	4
ENGR 201	Statics	3
ENGR 202	Dynamics	3
ENGR 203	Mechanics of Materials	3
ENGR 241	Thermodynamics I	3
Classes taught at other institutions (discuss with your advisor)		4

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CSCI 101, CIS 147 or courses transferred in from another NDUS Institution that are listed as both general education and digital literacy may satisfy both requirements upon successful completion.

College Degree & Digital Literacy Requirements

General Education & Diversity Course Matrix Requirements