



Transfer Pathway



CSM A.S.E. in Electrical Engineering to Frostburg State University B.S. Engineering/Electrical Engineering Concentration at Arundel Mills Regional Higher Education Center

Semester 1		
College of Southern Maryland	Credits	FSU Equivalency
EGR-1100: Introduction to Engineering	3	ENES-100
ENG-1010: Composition and Rhetoric	3	ENGL-101
MTH-1200: Calculus I and Analytic Geometry	4	MATH-236
CHE-1200/L: General Chemistry I and Lab	4	CHEM-201
Arts General Education Course	3	Fine Arts General Education
Humanities General Education Course	3	Humanities General Education

Semester 2		
College of Southern Maryland	Credits	FSU Equivalency
CSC-1390: Programming Concepts for Engineering	4	ENEE-114
EGR-1105: Introduction to Electrical & Computer Engineering	3	ENES-195
MTH-1210: Calculus II	4	MATH-237
PHY-1310: Calculus Based Physics I (previously PHY-1210 and PHY-1210L)	4	PHYS-261
CHE-1210/L	4	CHEM-202

Semester 3		
College of Southern Maryland	Credits	FSU Equivalency
EGR-2222: Elements of Discrete Signal Analysis	4	ENEE-322 & ENES-195
EGR-2440: Digital Logic Circuit Design	3	ENEE-244
EGR-2440L: Digital Circuits and Systems Laboratory	2	ENES-195
MATH-2200: Calculus III	4	MATH-238
PHY-2300: Calculus-Based Physics II (previously PHY-2200 and PHY-2200L)	4	PHYS-262
Humanities General Education Course	3	Humanities General Education

Semester 4		
College of Southern Maryland	Credits	FSU Equivalency
EGR-2310/L: Circuit Analysis and Lab	5	ENEE-204 & ENEE-206
MTH-2210: Differential Equations	4	MATH-432
PHY-2320: Calculus Based Physics III (previously PHY-2210 & PHY-2210L)	4	PHYS-263
Social/Behavioral Science with Cultural and Global Awareness General Education Course	3	Social Sciences General Education
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Semester 5	
Frostburg State University	Credits
ENEE-322: Signal & System Theory	3
ENEE-380: Electromagnetic Theory	3
ENEE-350: Computer Organization	3
ENES-310: Mechatronic and Robotic Design	3

Semester 7	
Frostburg State University	Credits
ENEE-303: Analog and Digital Electronics	3
ENES-401: Fundamentals Energy Engineering	3
ENES-491: Seminar	3
ENEE-307: Electronic Circuits Design	2
ENEE-439: Topics in Signal Processing	3

Semester 6	
Frostburg State University	Credits
ENGL-338: Technical Writing	3
ENEE-445: Introduction to Communication	4
Approved Technical Elective	3
ENME-373: Advanced CAD	3

Semester 8	
Frostburg State University	Credits
ENEE-475: Power Electronics	3
ENEE-408: Capstone Design Project	3
Elective or General Education Requirement	3
Approved Technical Elective	3