

# SOUTHERN MARYLAND HIGHER EDUCATION CENTER

is Proud to Present in Partnership with  
UMCP, CSM & NAWCAD  
a **B.S. in Electrical Engineering**

## Highlights of the Program Include:

NAWCAD Tuition & Book Assistance • Hands on learning in our Engineering Lab



## For More Information on this program contact:

Dr. David Barrett (NAWCAD) • 301.342.9360 • david.barrett@navy.mil

Ms. Shadei Jones (CSM) • 301.934.7747 • sjones3@csmd.edu

Dr. Dan Romero (UMCP) • 301.405.6131 • dbromero@umd.edu



## CSM Curriculum Requirements

CHE-1200	General Chemistry I	MTH-2200	Calculus III
CHE-1210	General Chemistry II OR	MTH-2210	Differential Equations
CHE-1350	General Chemistry for Engineers	PHY-2200/2200L	General Engineering Physics II and Lab
EGR-1100	Introduction to Engineering	EGR-2440	Digital Logic Circuit Design
MTH-1200	Calculus I and Analytic Geometry	EGR-2210	Dynamics
ENG-1010	Composition and Rhetoric	Social/Behavioral Sciences Acceptable:	See Approved Gen Ed Listing
Arts Acceptable:	See Approved Gen Ed Listing	PHY-2210/2210L	General Engineering Physics III and Lab
MTH-1210	Calculus II	EGR-2310/2310L	Circuit Analysis and Lab
PHY-1210/1210L	General Engineering Physics I and Lab	MTH-2210	Differential Equations
ITS-1390	Programming Concepts for Engineering	EGR-2710	Introduction to Matlab for Engineers
Humanities Acceptable:	See Approved Gen Ed Listing		

## UMCP Curriculum Requirements

### Basic Requirements

CHEM 135	General Chemistry for Engineers
PHYS 161	General Physics: Mechanics and Particle Dynamics
PHYS 260/261	General Physics: Vibration, Waves, Heat, Electricity & Magnetism
PHYS 270/271	General Physics: Electrodynamics, Light, Relativity & Modern Physics
MATH 140	Calculus I
MATH 141	Calculus II
MATH 241	Calculus III
MATH 246	Differential Equations for Scientists and Engineers

### Foundations of EE Requirements

ENEE 150	Intermediate Programming Concepts for Engineering
ENEE 205	Electric Circuits
ENEE 222	Elements of Discrete Signal Analysis
ENEE 244	Digital Logic Design
ENEE 245	Fundamental Digital Circuits and Systems Lab

### General Education and Additional Requirements

ENES 100	Introduction to Engineering Design
ENGL 101	Academic Writing

### Major Requirements

ENEE 303	Analog & Digital Electronics	ENEE 440N	Navy Microprocessors
ENEE 322	Signals and Systems Theory	ENEE 488A	Direct Study: Navy Software
ENEE 350	Computer Organization	ENEE XXX	Advanced
ENEE 380	Electromagnetic Theory	ENGL 393	Technical Writing
ENEE 307	Electrical Circuits Design Laboratory	ENEE 408X	Capstone Design
ENEE 313	Introduction to Device Physics	ENEE 420N	Communication Systems
ENEE 324	Engineering Probability	ENEE 426N	Communication Networks
ENEE 381	Electromagnetic Wave Propagation	ENEE 446N	Computer Design
ENEE 425N	Navy Signal Processing	ENEE 488B	Direct Study: Navy Hardware