1981

Bachelor Degree Programs: Electrical Engineering, Computer Science, Computer Systems 1981-82

Nova Southeastern University

CENTER FOR SCIENCE AND ENGINEERING
BACHELOR DEGREE PROGRAMS IN

Electrical Engineering
Computer Science
Computer Systems

...meeting the educational needs
of the technological community

NOVA UNIVERSITY
3301 College Avenue, Fort Lauderdale, Florida 33314

WHY CENTER FOR SCIENCE AND ENGINEERING PROGRAMS ARE RIGHT FOR YOU

- Part-Time and Full-Time Degree Programs
- Designed to meet the needs of South Florida Industry
- Day, evening and Saturday classes
- Designed for the adult learner
- Second Bachelor Programs for those who now need a technical degree
- Solid academic foundation with a practitioner's approach to Technology
- Credit by examination
- Faculty: practicing Engineers, Scientists, and Computer Scientists

LETTER FROM THE DIRECTOR:

Full-time and part-time programs leading to Bachelor's Degrees in Electrical Engineering, Computer Science and Computer Systems are now available through the Center for Science & Engineering. These join a sound academic foundation with a practical approach to meet the needs of business, industry and the student.

Nova University, as part of its on-going mission to provide an educational base for South Florida, has worked with industry to develop these programs.

Faculty members teaching in the program themselves often work at the forefront of technology. To date, students from such companies as Motorola, ModComp, Bendix, Burroughs, Systems Engineering Lab, Westinghouse, Harris, IBM, Florida Power and Light, American Express and OKI are participating in the program under tuition reimbursement benefits.

The programs are designed to meet the needs of the working adult student. Classes are scheduled in the evenings and on Saturdays to accommodate both part-time and full-time degree students.

Some students who are following the second bachelor's option are preparing themselves for one of the career opportunities made possible by recent developments in technology.

The programs offered by the Center for Science & Engineering have opened up opportunities both for students and for industries who can expand in South Florida knowing they now have the educational basis needed for support.

Anna Mae Walsh Burke, Ph.D.
Director, Center for Science and Engineering

Classes meet at local industrial sites as well as on campus.

Classes meet once a week for nine weeks.

Faculty members are in professional roles in industry solving highly complex problems.

PROGRAM REQUIREMENTS

B.S. Electrical Engineering (EE)	138 credits
B.S. Computer Science (CS)	120 credits
B.S. Computer Systems (SYS)	120 credits

NEW CYCLES BEGIN

October 19, 1981
January 4, 1982
March 8, 1982
May 10, 1982
August 16, 1982
October 18, 1982

REGISTRATION CLOSES ONE WEEK BEFORE THE
BEGINNING OF THE CYCLE.

FOR INFORMATION CALL:

Broward County 475-7650
Dade County 940-6447 Ext 7649/7650 (toll free)
Palm Beach County 732-6600 Ext 7649/7650 (toll free)

OR WRITE

Center for Science and Engineering
Nova University
3301 College Avenue
Fort Lauderdale, Florida 33314

The Center also offers a master's degree program in
computer science.

SUMMARY OF PROGRAM REQUIREMENTS

All courses are 3 semester hours of credit unless otherwise indicated.

EE	CS	MATH	SYS	SYS/TC	Code	Course
X	X	X	X	X		Communications (3 cr.)
X	X	X	X	X		Communications (3 cr.)
X	X	X	X	X		Social Science (3 cr.)
X	X	X	X	X		Social Science (3 cr.)
X	X	X	X	X		Humanities (3 cr.)
X	X	X	X	X		Humanities (3 cr.)
X	X	X	X	X		Behavioral Science (3 cr.)
X	X	X	X	X		Behavioral Science (3 cr.)
	X		X	X	MAT-150	College Mathematics
X	X	X	X	X	MAT-210	Calculus I
X	X	X			MAT-220	Calculus II
X		X			MAT-305	Calculus III
X		X			MAT-310	Differential Equations
X		X			MAT-320	Advanced Calculus
X	X	X			MAT-420	Linear Algebra
		X			MAT-430	Fns. of a Complex Variable
X	X	X			MAT-440	Numerical Analysis
		X			MAT-450	Probability & Statistics
X	X	X			PHY-140	Physics I
X	X	X			PHY-150	Physics II
X	X	X			PHY-160	Physics III
X	X	X			PHY-212	Science of Matter or Chemistry
X		X			PHY-310	Modern Physics
			X	X		Physical or/Life Science (9 cr.)
X	X	X	X	X	CS-160	Fundamentals of Logic Design
X	X	X	X	X	CS-170	Computer Programming I
X	X	X	X	X	CS-210	Fortran
	X	X	X	X	CS-220	Business Oriented Language (COBOL)
X	X	X		X	CS-240	Digital Design
X	X	X	X	X	CS-305	Computer Programming II
	X	X	X	X	CS-310	Programming Techniques
	X	X	X	X	CS-320	Organization of Programming Languages
	X	X	X	X	CS-330	Structured Programming (PASCAL)
	X	X	X	X	CS-340	Introduction to File Processing
X	X			X	CS-350	Computer Circuit Design
X	X			X	CS-360	Computer Architecture
X	X				CS-410	System Design & Analysis
	X		X	X	CS-420	Operating System Concepts
					CS-430	Simulation & Modeling
					CS-440	Microcomputers
	X		X	X	CS-450	Data Base Management Systems Design

EE	CS	MATH	SYS	SYS/TC	Code	Course
	X		X	X	CS-460	Assemblers and System Programming
			X	X	CS-470	Information Systems Analysis and Design
X	X			X	ETR-210	Networks I
X					ETR-255	Electricity Laboratory (1 cr.)
X					ETR-310	Networks II
X	X				ETR-330	Electronics I
X					ETR-335	Electronics Lab I (1 cr.)
X					ETR-340	Electronics II
X					ETR-345	Electronics Lab II (1 cr.)
X					ETR-420	Electronics III
X					ETR-430	Networks III
X					EE-410	Electromagnetic Theory
X					EE-420	Field Transmission Lines
X					EE-430	Fund. of Communication Systems
X					EE-440	Energy Systems
X					EE-450	Control Systems
X					EE-460	Micro-electronics
X					EE-470	Elect. Eng. Analysis/Design
				X	TEC-220	Engineering Drawing
				X	TEC-320	Technical Communication
				X	TEC-330	Technical Writing
				X	TEC-370	Technical Documentation I
				X	TEC-380	Technical Documentation II
				X	TEC-470	Seminar in Technical Communication
9	15	24	12	12		Electives (in credits)
	X					30 credits in Business or other approved discipline

PROGRAM REQUIREMENTS

PROGRAM REQUIREMENTS		DEGREE CODE
B.S. Electrical Engineering (EE)	138 credits	460
B.S. Computer Science (CS)	120 credits	463
B.S. Computer Systems (SYS)	120 credits	464
B.S. Computer Systems/Technical Communications (SYS/TC)	120 credits	464
B.S. Mathematics	120 credits	462

100 level are beginning courses

200 and 300 level are intermediate courses

400 level are advanced courses