

FLORIDA ATLANTIC UNIVERSITY 2008-2009 TRANSFER STUDENT MANUAL
COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

PROGRAM OF STUDY AT COMMUNITY COLLEGE

Complete the A.A. degree at community college. Several General Education requirements may also meet course requirements for the major. A transfer student without an A.A. degree and with less than 60 acceptable credits must meet entering freshman test score and GPA requirements.

Students are encouraged to complete the lower-division courses during the program of study at community college. They must be completed after admission to FAU if not done so in advance with a grade of "C" or greater.

COP x220	Intro. to Programming in C(++)	3
MAC x211	Calculus with Analytic Geometry I	4
MAC x212	Calculus with Analytic Geometry II	4
MAC 2313	Calculus with Analytic Geometry III *	4
/ MAP x302	Differential Equations I *	3
/ MAS x103	Matrix Theory *	3
MAD x104	Discrete Mathematics	3
PHY x043+L	Physics for Engineers II	4
PHY x044+L	Physics for Engineers I	4
SPC x601	Public Speaking	3
and	additional science course **	2+

* Optional. If completed, will count as the math elective.

** CHM x040 will not count for the science course.

**SOUTHEAST FLORIDA
ENGINEERING EDUCATION CONSORTIUM**

The College participates in the Southeast Florida Engineering Education Consortium. Students who plan to transfer from Broward, Indian River, Miami Dade or Palm Beach Community Colleges can find customized advising sheets for this major at www.sefeec.org.

**MAJOR IN COMPUTER SCIENCE
BACHELOR OF SCIENCE**

PROFESSIONAL CORE (40 credits)

CDA 3201C	Introduction to Logic Design	4
CDA 3331C	Intro. to Microprocessor Systems	4
CEN 4010	Principles of Software Engineering	3
COP 3530	Data Structures / Algorithms Analysis	3
COP 3540	Intro. to Database Structures	3
COP 3813	Introduction to Internet Computing	3

COP 4610	Computer Operating Systems	3
COT 3002+L	Foundations of Computer Science	4
COT 4400	Design and Analysis of Algorithms	3
COT 4420	Formal Lang. Automata Theory	3
COT 4935	Senior Seminar	1
MAD 2104	Discrete Mathematics	3
STA 4821	Stochastic Models	3

PROFESSIONAL ELECTIVES – 9 credits. Select from the following seven categories.

INTERNET TECHNOLOGY

COP 4331	Object-Oriented Design Program.	3
CNT 4104	Intro. to Data Communications	3
COP 4020	Programming Languages	3
COP 4593	Component Program w/.NET	3
COP 4703	Applied Database Systems	3

APPLICATIONS

CAP 4630	Intro. to Artificial Intelligence	3
CAP 4730	Computer Graphics Methods	3

SOFTWARE ENGINEERING

CEN 4910	Software Engineering Project	3
ISM 4133	Adv. Systems Analysis and Design	3

SYSTEM PERFORMANCE

MAP 4260	Introduction to Queueing Theory	3
COP 4301	Modeling Simulation of Systems	3
CEN 4400	Intro. to Comp. Sys. Evaluation	3

SYSTEM PROGRAMMING

COP 4620	Computer Language Translation	3
COP 4604	UNIX System Programming	3

COMPUTER ARCHITECTURE

CDA 4102	Structured Computer Architecture	3
CDA 4210	Introduction to VLSI	3
CDA 4204	CAD-Based Computer Design	3

OTHER

EGN 4040	Problem Solving in Engineering	3
COT 4930	Topics in Computer Science	1-3
COT 5930	Topics in Computer Science	1-3
COT 4900	Directed Independent Study	1-3

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ANOTHER PROGRAMMING LANGUAGE – 3 credits.

Satisfied by completing COP 4020/4331/4703 and/or CAP 4630 as Professional Electives. Otherwise, any other course with another language for an additional 3 credits.

MATHEMATICS ELECTIVES (3 credits)

MAC 2313	Calculus with Analytic Geometry III	4
MAD 3400	Numerical Methods	3
MAP 2302	Differential Equations I	3
MAP 3305	Engineering Math I	3
MAP 4260	Introduction to Queueing Theory *	3
MAS 2103	Matrix Theory	3
MAS 4301	Modern Algebra	3

* Will not count for both Computer Science & Math.

Questions? Contact us.

Tami Sorgente at 561.297.2674 or tami@cse.fau.edu

Joy Woodworth at 561.297.2823 or joy@cse.fau.edu

Lofton Bullard at 561.297.3985 or lofton@cse.fau.edu

Tom Fernandez at 561.297.3927 or thomas@cse.fau.edu

(NOTES)

VISIT US @ WWW.CSE.FAU.EDU