

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.

CHM x045+L	General Chemistry I	4
COP x220	Intro. to Programming in C(++)	3
EGN x002	Fundamentals of Engineering	3
EGS x111C	Engineering Graphics	3
ENC x101	English Composition I	3
ENC x102	English Composition II	3
EOC x801	Fabrication of OE Systems	1
MAC x211	Calculus with Analytic Geometry I	4
MAC x212	Calculus with Analytic Geometry II	4
MAC x313	Calculus with Analytic Geometry III	4
PHY x043+L	Physics for Engineers II	4
PHY x044+L	Physics for Engineers I	4
and	three Social Science courses	9
and	three Humanities courses	9

At the community college, students may substitute a speech course for one humanities course and a health course for one social 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](http://www.sefeec.org).

**MAJOR IN OCEAN ENGINEERING  
BACHELOR OF SCIENCE  
IN OCEAN ENGINEERING**

<b><u>GENERAL STUDIES</u></b>		(24 credits)
ENC 1101	English Composition I	3

ENC 1102	English Composition II	3
and	three Social Science courses	9
and	three Humanities courses	9

If the Social Science requirement is fulfilled at FAU, only the following courses are acceptable. Students must complete three courses from three different disciplines.

ANT 2000	Introduction to Anthropology	3
/ ANT 2410	Culture and Society	3
GEA 2000	World Geography	3
ECO 2013	Macroeconomics Principles	3
/ ECO 2023	Microeconomics Principles	3
/ ECP 2002	Contemporary Economic Issues	3
INR 2002	Introduction to World Politics	3
/ POS 1041	Government in the United States	3
PAD 2258	Environ. Society Business Govt.	3
PSY 1012	General Psychology	3
SYG 1000	Introductory Sociology	3
/ SYG 2010	Social Problems	3

If the Humanities requirement is fulfilled at FAU, only the following courses are acceptable. Students must complete two courses from two different disciplines from the first list; complete one course from the second list.

LIT 2010	Interpretation of Fiction	3
LIT 2030	Interpretation of Poetry	3
LIT 2040	Interpretation of Drama	3
PHI 2010	Introduction to Philosophy	3
WHO 2012	History of Civilization	3
ARC 2208	The Master Builder	3
ARH 2000	Art Appreciation	3
DAN 2100	Appreciation of Dance	3
FIL 2000	Film Appreciation	3
MUL 2010	History and Appreciation of Music	3
THE 2000	Appreciation of Theatre	3

**BASIC MATH AND SCIENCE** (39 credits)

CHM 2045+L	General Chemistry I	4
EEL 2161	C(++ for Engineers	3
EGS 1111C	Engineering Graphics	3
MAC 2253	Calculus for Engineers I	4
MAC 2254	Calculus for Engineers II	4
MAC 2313	Calculus with Analytic Geometry II	4
MAP 3305	Engineering Mathematics I	3
MAP 4306	Engineering Math II	3

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OCE 3008	Oceanography	3
PHY 2043	Physics for Engineers I	3
PHY 2044	Physics for Engineers II	3
PHY 2048L	General Physics I Lab	1
PHY 2049L	General Physics II Lab	1

( NOTES )

PROFESSIONAL CORE (73 credits)

EOC 3105	Statics	3
/ EGN 3311	Statics	3
CDA 3201C	Introduction to Logic Design	4
EEL 3111	Circuits I	3
EGN 1002	Fundamentals of Engineering	3
EOC 2801	Fabrication of OE Systems	1
EOC 3113	Dynamics	3
EOC 3114	Vibrations	3
EOC 3123	Fluid Mechanics I	4
EOC 3130L	Ocean Engineering Lab	3
EOC 3141	Thermodynamics	3
EOC 3150	Strength of Materials	3
EOC 3200	Engineering Materials I	3
EOC 3213	Materials I – Marine Topics	1
EOC 3306	Acoustics I	3
EOC 3410C	Structural Analysis I	3
EOC 3631C	Ocean Environmental Data Analysis	3
EOC 3636	Electro-Mechanics, Elec.. Analog	3
EOC 4193	Ocean Thermal Systems	3
EOC 4422	Ocean Wave Mechanics	3
EOC 4620	Dynamic Systems	3
EOC 4804+L	Ocean Eng. Sys. Control Design	7
and two of the following courses:		
EOC 4124	Fluid Mechanics II	4
EOC 4201C	Engineering Materials II	4
EOC 4307C	Acoustics II	4
EOC 4412	Structural Analysis II	4

*Questions? Contact us.*  
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