

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
ENC x101	English Composition I	3
ENC x102	English Composition II	3
MAC x211	Calculus with Analytic Geometry I	4
MAC x212	Calculus with Analytic Geometry II	4
MAC x313	Calculus with Analytic Geometry III	4
MAP x302	Differential Equations I	3
PHY x043+L	Physics for Engineers II	4
PHY x044+L	Physics for Engineers I	4
SPC x601	Public Speaking (or equivalent)	3
and	three Social Science courses	9
and	three Humanities courses	9

\* Students who do not transfer this course are encouraged to complete CHM 2095, Chemistry for Engineers, at FAU.

**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 CIVIL ENGINEERING  
BACHELOR OF SCIENCE  
IN CIVIL ENGINEERING**

<b><u>GENERAL STUDIES</u></b>		(27 credits)
ENC 1101	English Composition I	3
ENC 1102	English Composition II	3

SPC 2601	Public Speaking	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** (32 credits)

CHM 2095	Chemistry for Engineers	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
PHY 2043	Physics for Engineers I	3
PHY 2044	Physics for Engineers II	3
PHY 2048L	General Physics I Lab	1

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

PHY 2049L	General Physics II Lab	1
STA 4032	Probability Statistics for Engineers	3
and	Surveying	3

( NOTES )

**ENGINEERING FUNDAMENTALS** (21 credits)

CGN 2327	Fundamentals of AutoCAD	3
EEL 2161	C for Engineers	3
EGN 1002	Fundamentals of Engineering	3
CES3104	Strength of Materials	3
/ EGM 3524	Strength of Materials	3
/ EOC 3150	Strength of Materials	3
EEL 3111	Circuits I	3
/ EML 3100	Thermodynamics I	3
EGM 3400	Dynamics	3
/ EOC 3113	Dynamics	3
EGN 3311	Statics	3
/ EGM 3510	Statics	3
/ EOC 3105	Statics	3

**PROFESSIONAL CORE** (48 credits)

CEG 3011C	Soil Mechanics	4
CEG 4012	Foundation Engineering	3
CES 3102C	Analysis of Structures	3
CES 4605	Structural Steel Design	3
CES 4702	Reinforced Concrete Design	3
CGN 3501C	Civil Engineering Materials	3
CGN 4803C	Civil Engineering Design I	3
CGN 4804C	Civil Engineering Design II	3
CWR 3201C	Applied Hydraulics	4
CWR 4202	Hydrologic Engineering	3
ENV 3001+L	Environmental Science Engineering	4
ENV 4514	Water and Wastewater Technology	3
TTE 4004C	Transportation Engineering I	3
TTE 4005C	Transportation Engineering II	3
and	one civil engineering technical elective	3

*Questions? Contact us.*

Digna Mejia at 561.297.2042 or [civil@fau.edu](mailto:civil@fau.edu)

VISIT US @ [WWW.CIVIL.FAU.EDU](http://WWW.CIVIL.FAU.EDU)