

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
EEL x161	C(++) for Engineers	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
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

**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 ELECTRICAL ENGINEERING  
BACHELOR OF SCIENCE  
IN ELECTRICAL ENGINEERING**

**GENERAL STUDIES** (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** (33 credits)

EGN 1002	Fundamentals of Engineering	3
MAC 2311	Calculus with Analytic Geometry I	4
MAC 2312	Calculus with Analytic Geometry II	4
MAC 2313	Calculus with Analytic Geometry III	4
MAP 3305	Engineering Mathematics I	3
EEL 2161	C(++) for Engineers	3
PHY 2043	Physics for Engineers I	3
PHY 2048L	General Physics Lab I	1
PHY 2044	Physics for Engineers II	3
PHY 2049L	General Physics Lab II	1
CHM 2045+L	General Chemistry I	4

**PROFESSIONAL CORE** (71 credits)

EEL 3111	Circuits I	3
EEL 3112	Circuits II	3

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CDA 3201C	Introduction to Logic Design	4
EEE 3300	Electronics I	4
EEL 4656	Analysis of Linear Systems	3
EEL 4541	Stochastic Random Signal	3
EEL 3118L	Laboratory I	2
EEE 4361	Electronics II	3
EEL 3012	Electrical Engineering Practice	1
EEL 3470	Electromagnetic Fields and Waves	4
EEL 4746+L	Introduction to Microcontrollers	4
EEL 4119L	Laboratory II	3
EGN 4410C	Engineering Design I	3
EGN 4411C	Engineering Design II	3
EEL 4512	Communication Systems I	3
EEL 4652	Control Systems I	3
EEL 4652L	Control Systems Lab	1
/ EEL 4512L	Communication Systems Lab	1
EEL 4510	Intro. to Digital Signal Processing	3
and	three electrical engineering electives	9
and	two technical electives	6
and	one upper-division math elective	3

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*Questions? Contact us.*

Taylor Kung at 561.297.3408 or [tkung@fau.edu](mailto:tkung@fau.edu)

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( NOTES )

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