

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
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
and	three Humanities courses	9
and	three Social Science 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 MECHANICAL ENGINEERING  
BACHELOR OF SCIENCE  
IN MECHANICAL ENGINEERING**

<u>GENERAL STUDIES</u>		(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 (42 credits)

CHM 2045+L	General Chemistry I	4
COP 2220	Intro. to Programming in C(++)	3
EGS 1111C	Engineering Graphics	3
EML 4534	Computer Apps in Mech. Eng. II	3
MAC 2211	Calculus with Analytic Geometry I	4
MAC 2212	Calculus with Analytic Geometry II	4
MAC 2313	Calculus with Analytic Geometry III	4
MAP 2302	Differential Equations I	3
MAP 4306	Engineering Mathematics II	3

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PHY 2043+L	Physics for Engineers II	4
PHY 2044+L	Physics for Engineers I	4
STA 4032	Probability & Statistics Engineers	3

PROFESSIONAL CORE (62 credits)

EGN 1002	Fundamentals of Engineering	3
EGN 4410C	Engineering Design I	3
EGN 4411C	Engineering Design II	3
EGM 3510	Statics	3
EGM 3400	Dynamics	3
EGM 3524	Strength of Materials	3
EGM 3521	Engineering Materials I	3
EGM 4045	Electro-Mechanical Devices	3
EML 3100	Thermodynamics I	3
EML 3523C	Experimental Methodology	3
EML 3701	Fluid Mechanics	3
EML 4127	Applied Thermal Fluid Engineering	3
EML 4142	Heat Transfer	3
EML 4262	Machine Design II	3
EML 4380	System Dynamics	3
EML 4500	Machine Design I	3
EML 4730L	Mechanical Engineering Lab	3
and	advisor-approved technical electives	11

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*Questions? Contact us.*

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( NOTES )

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