

**RECOMMENDED COURSES FOR STUDENTS WHO WILL TRANSFER
FROM MIAMI-DADE COLLEGE (UPDATED 11/5/09)**

Courses to be taken at Miami-Dade College:

SUBJECT	CREDITS
English Composition (ENC 1101, ENC 1102)	06
Humanities (One Each Group A & Group B)	06
Social Science (One Each Group A & Group B)	06
Fundamentals of Speech Communication (SPC 2600)	03
Additional Humanities or Social Studies (Suggest LIT 2411)	03
Calculus (MAC 2311, MAC 2312, MAC 2313)	12*
Physics with Calculus/Lab (PHY 2048, PHY 2048L, PHY 2049, PHY 2049L)	08**
Chemistry/Lab (CHM 1045, CHM 1045L)	04
Differential Equations (MAP 2302)	03
Introduction to Engineering (EGS 1001)	03
Engineering Graphics (EGS 1111C)	03
C-Programming (COP 1220)	03
TOTAL	60 CREDITS

These 60 credit hours, which will serve as the requirements for your AA degree, will be accepted as transfer credit into the Mechanical Engineering Program at FAU. It should be noted that many students have deficiencies in math, English or social science, which may count toward their AA degree. These courses will not transfer into the ME program and will not count toward the bachelor's degree. Only those courses listed above will be transferred. The AA degree assures that the student has met the Gordon Rule requirements of the SUS. Students transferring without the AA degree may have to take additional courses to meet the Gordon Rule.

* A maximum of 12 credit hours will be accepted at FAU for the Calculus sequence.

** A maximum of 8 credit hours will be accepted at FAU for the Physics sequence with lab.

The remaining courses taken at FAU for the Bachelor of Science degree will be as follows:

NOTE: *There are certain prerequisites and/or corequisites that apply for these courses as listed in the University catalog. You must see an advisor for scheduling to adhere to these requirements.*

SUBJECT	CREDITS
ME CORE:	
EGM 3510 Statics	03
EGM 3400 Dynamics	03
EGM 3524 Strength of Materials	03
EGM 3521 Engineering Materials I	03
EML 3100 Thermodynamics I	03
EML 3523C Experimental Methodology	03
EML 3701 Fluid Mechanics	03
EML 4380 Systems Dynamics	03
EML 4142 Heat Transfer	03
EML 4127 Applied Thermal-Fluid Engineering	03
EML 4500 Machine Design I	03
EML 4262 Machine Design II	03
EML 4521C Engineering Design	03
EML 4551 Design Project	03
EML 4730L Mechanical Engineering Laboratory	03
EGM 4045 Electro-Mechanical Devices	03
TECHNICAL ELECTIVES:	
Departmentally approved technical electives (5 courses)	14
MATHEMATICS:	
EML 4534 Computer Applications in ME II	03
STA 4032 Probability and Statistics for Engineers	03
TOTAL FAU COURSES	68 CREDITS
TOTAL FOR BACHELOR'S DEGREE	128 CREDITS