

**MEMORANDUM OF UNDERSTANDING BETWEEN
PENSACOLA JUNIOR COLLEGE
AND THE
UNIVERSITY OF FLORIDA COLLEGE OF ENGINEERING
FOR A CUSTOMIZED PROGRAM OF STUDIES LEADING TO A
BACHELOR OF SCIENCE DEGREE IN ENGINEERING**

Preamble

This agreement establishes a plan whereby a student will complete a Pre-Engineering Associate in Arts degree at Pensacola Junior College, an outline of which is appended as Attachment A, and transfer to the University of Florida College of Engineering for continuation and completion of engineering studies. Upon completion of the academic requirements of the two cooperating institutions, the student shall be awarded a Bachelor of Science degree from the University of Florida in any of the engineering majors listed below:

- Aerospace Engineering
- Agricultural & Biological Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Engineering Science
- Environmental Engineering
- Industrial & Systems Engineering
- Materials Science & Engineering
- Mechanical Engineering
- Nuclear Engineering
- Nuclear Engineering Sciences
- Surveying & Mapping

Program of Study at the Junior College

As of the date of this Memorandum of Understanding, the student shall complete a minimum of sixty (60) semester hours of coursework at the junior college, incorporating 36 hours of required general education studies, and the required preprofessional courses in calculus, differential equations, chemistry, and physics with calculus. Upon completion of this program of study, the student shall be eligible for the award of an Associate in Arts degree. If any of the required preprofessional courses is not offered at the junior college, special provision will be made for such a course to be completed at the University of Florida. Notwithstanding the number of credits completed at the junior college, and based upon current interpretation of state guidelines, a maximum of 60 credit hours will be transferrable to the University of Florida for application to the bachelor of science degree program requirements. Furthermore, it should be noted that not all courses completed to fulfill the requirements of the Associate in Arts degree, are transferrable to the bachelor of science degree program.

Approval for Degree-Seeking Status at the University of Florida

In order for a participating student to achieve degree-seeking status at the University of Florida, he or she must have:

1. Completed the Pre-Engineering Associate in Arts degree program at the junior college, and received an AA degree.
2. Achieved a minimum grade point average of 2.50 in the required pre-professional courses: calculus, differential equations, chemistry, and physics with calculus.
3. Complied with all admission requirements of the University of Florida.
4. Received a recommendation from a designated official at the junior college.

Hours Required to Complete Designated Bachelor's Degree

The student participating in this program will be required to complete a University of Florida program of study which covers the number of credit hours and courses stipulated for the particular degree being sought. If the official program of study at the University of Florida includes free electives, and the participating student has excess hours of credit at the junior college which are equivalent in course content, these hours may be used to reduce the hours required at

the University of Florida, provided that the number of hours accepted from the junior college does not exceed 60 hours, in accordance with the current interpretation of SB 2330.

Student Readmission

Any participating student admitted to the University of Florida who does not successfully complete his or her requirements for the Bachelor of Science degree prior to leaving the university in good academic standing, will be given the opportunity to pursue completion of the degree at a later date, subject to compliance with University of Florida readmission policies.

Termination/Modification

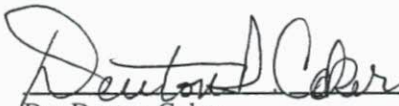
A. This memorandum is subject to change or modification as deemed necessary by either party. It is understood and agreed that this memorandum may be modified as may be necessary to bring it within the purview of and in accord with the directives and policies of the Board of Regents of the State University System of Florida, the Statutes of the University of Florida, or the policies governing operation of the public junior colleges of Florida.

B. This memorandum may be terminated by either party upon written notice to the other party, given at least one year in advance of such termination date.

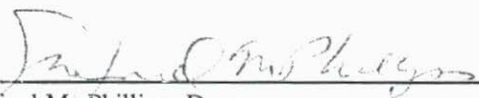
SIGNATURES OF RESPONSIBLE AUTHORITIES AT THE COOPERATING INSTITUTIONS

PENSACOLA JUNIOR COLLEGE


UNIVERSITY OF FLORIDA COLLEGE OF ENGINEERING



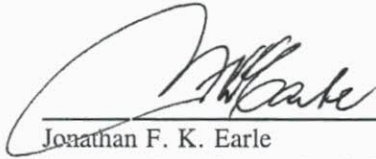
Dr. Denton Coker
Chairman, District Board of Trustees



Winfred M. Phillips, Dean



Warren Viessman, Jr.
Associate Dean for Academic Programs




Jonathan F. K. Earle
Assistant Dean for Academic Programs
Program Coordinator

January 20, 1998
Date

December 15, 1997
Date

Approved as to Form:

By: 

M.J. Menge, Attorney for
Penacola Junior College


PRE-ENGINEERING ASSOCIATE IN ARTS DEGREE
 A Customized Program of Engineering Studies Between
 Pensacola Junior College and the University of Florida College of Engineering

Proposed:
 Associate in Arts Degree:
 Bachelor of Science Degree:

Structured Program of Engineering Studies
 Pre-Engineering
 UF College of Engineering

Program Description

The Pre-Engineering Associate in Arts degree was designed to prepare students for programs of study in all disciplinary areas in the University of Florida College of Engineering (UFCE). Upon satisfactory completion of this program, with a combined minimum technical grade point average of 2.5 in the mathematics and natural sciences categories, students will be directly admitted into the College of Engineering, subject to compliance with University of Florida admission requirements. It should be noted that not all credits completed at the community college to meet AA degree requirements, are transferrable to the bachelor of science degree programs.

A Bachelor of Science degree may be earned in any of the following majors:

Aerospace Engineering, Agricultural & Biological Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Environmental Engineering, Engineering Science, Industrial & Systems Engineering, Materials Science & Engineering, Mechanical Engineering, Nuclear Engineering, Nuclear Engineering Sciences, Surveying & Mapping.

Students should refer to the Transfer Advisement Manual for details of programmatic requirements leading to the bachelor of science degree for each major.

YEAR ONE

First (Fall) Term

ENGLISH COMPOSITION ENC1101
 HISTORY,BEHAV/SOCIAL SCI
 PHYSICAL/BIOL. SCIENCES CHM1045
 PHYSICAL/BIOL. SCIENCES CHM1045L
 MATHEMATICS MAC 2311
 COMPUTER COMPETENCY

English Composition I 3
 Approved Course* 3
 General Chemistry /Qualitative Analysis I 3
 General Chemistry /Qualitative Analysis I Lab 3
 Calculus with Analytical Geometry I 4
 Approved Course 1

Credits

Total for Term 15

Second (Spring) Term

ENGLISH COMPOSITION ENC1102
 PHYSICAL/BIOL. SCIENCES CHM1046
 PHYSICAL/BIOL. SCIENCES CHM1046L
 PHYSICAL/BIOL. SCIENCES BSC2010
 PHYSICAL/BIOL. SCIENCES BSC2010L
 MATHEMATICS MAC2312

English Composition II 3
 General Chemistry/Qualitative Analysis II 3
 General Chemistry/Qualitative Analysis II Lab 1
 Integrated Principles of Biology 3
 Integrated Principles of Biology Lab 1
 Calculus with Analytic Geometry II with Calculus II 4

Credits

Total for Term 15

YEAR TWO

Third (Fall) Term

HUMANITIES
 LITERATURE
 PHYSICAL/BIOL. SCIENCES PHY2048
 PHYSICAL/BIOL. SCIENCES PHY2048L
 MATHEMATICS MAP2313

Approved Course* 3
 Approved Course 3
 Physics I with Calculus 4
 Physics I with Calculus Laboratory 1
 Analytic Geometry & Calculus III 4

Credits

Total For Term 15

Fourth (Spring) Term

HUMANITIES
 HISTORY/BEHAVIOR/SOCIAL SCIENCES
 ORAL COMMUNICATIONS REQUIRE
 PHYSICAL/BIOL. SCIENCES PHY2049
 PHYSICAL/BIOL. SCIENCES PHY2049L
 MATHEMATICS MAP2302

Approved Course* 3
 Approved Course* 3
 Approved Course 1
 Physics II with Calculus 4
 Physics II Lab with Calculus 1
 Differential Equations 3

Credits

Total for Term 15

Summary of Credits for the Pensacola Junior College Pre-Engineering Associate in Arts Degree:

<u>Category</u>	<u>Credit Hours</u>
English Composition	6 hours
Literature	3 hours
Mathematics	15 hours
History, Behavioral Sciences, Social Sciences	6 hours
Humanities	6 hours
Physical/Biological Sciences	22 hours
Oral Communication Requirement	1 hour
Computer Competency Requirement	<u>1 hour</u>
Total for Degree:	60 Hours

CONTACTS

Pensacola Junior College:

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Dean, School of Science, Advanced Technology & Business
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Fax: (904) 484-1865
Suncom: 681-1157

University of Florida:

Dr. Jonathan F.K. Earle
Assistant Dean for Academic Programs
College of Engineering
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Gainesville, FL 32611-6550
Tel: (352) 392-2177
Fax: (352) 392-9673
Suncom: 622-2177

*Electives based on general education distribution requirements. Category IV (History, Behavioral/Social and Human Sciences) and Category V (Humanities) selections must include at least three writing emphasis courses.

- Notes:**
1. Course selection in English, Natural/Physical Science, and Mathematics based upon Placement Testing.
 2. Students may be required to complete certain preparatory courses prior to commencing the designated pre-professional courses in mathematics, chemistry, and physics.
 3. Writing competence requirement may be satisfied by approved Humanities and Social Sciences courses.
 4. Students should refer to the course listing under AA General Education Requirements for all approved courses.
 5. Students must comply with all graduation requirements for the Associate in Arts degree.
 6. The technical grade point average (gpa) is based on a 4.0 scale, and will be computed on all attempts for which a letter grade was earned and included on the transcript.
 7. The courses to be used in computation of the technical gpa are : MAC 2311, MAC 2312, MAC 2313, MAP 2302, CHM 1045, CHM 1046, PHY 2048, PHY 2049. If MAP 2302 or equivalent is not offered at the community college, it may be completed at the University of Florida.
 8. The general education requirements of the Accreditation Board for Engineering and Technology (ABET) will be met through satisfactory completion of the general education requirements for the Associate in Arts degree.
 9. The State University System requires 8 semester hours of college foreign language courses for admission. Students without two years of high school foreign language must complete two terms of college level language courses prior to enrolling at the university.
 10. Satisfactory completion or exemption from the College Level Academic Skills Test (CLAST) is a requirement for admission to the University of Florida.
 11. Students are expected to enter the engineering program with computer skills. Programming in C and/or C++ is suggested.
 12. Students should consult with Chemistry instructors for correct placement in the sequence.
 13. Co-op credits in engineering are acceptable.