Common Prerequisites for Entry into Undergraduate Engineering Programs in the State University System of Florida

Tenets Governing the Transfer of Students from Community College to Universities

1. The attached list of 48 hours of prerequisite courses (hereafter referred to as "the 48 hours") constitute the common prerequisites for all undergraduate engineering programs in the State University System (SUS).

2. Students who complete the 48 hours of common prerequisites will be admitted to any engineering program in the SUS, provided they meet applicable limited access criteria (e.g. GPA, not additional courses) or minimum grade requirements.

3. The 48 hours represent the number of hours students can take at a community college and be assured that they will transfer and count toward the credit hour requirement for the baccalaureate in Engineering in the SUS. If students know which SUS program they wish to transfer into, and that particular program has additional non-engineering lower level courses required for the degree, the students can elect to remain at the community college and take those courses. The courses will be accepted in transfer.

4. If a student had to take additional mathematics courses prior to becoming eligible for the initial calculus course listed in the 48 hours, those courses will count toward the A.A.Degree, but will be over and above the prescribed number of hours for the bachelor's in engineering. Similarly, if a student takes foreign language courses at the community college to meet the SUS admissions requirement, those hours will count toward the A.A. but will be outside of the hours for the bachelor's in engineering. If a student takes the foreign language courses (required for admission) at the university instead of the community college, excess hour surcharges may apply.

5. In light of item 4 above, students are expected to routinely receive their A.A. degree prior to transferring to a state university. If students transfer prior to receiving the A.A. (i.e., less than 60 hours), a transcript of the courses they take at the senior institution, comprising the additional hours they need to meet the 60 hour requirement, will be transferred to the community college so that an A.A. degree is awarded by the community college to the student, provided the student has met all other requirements at the community college. If students complete their 36 hours of general education at the community college (as expected) and transfer prior to receiving the A.A., their general education units will be protected by the provisions of the articulation agreement.

6. Consistent with State Board of Education Rules, if a community college student takes a non-engineering course whose prefix and last three digits are identical to the prefix and last three digits of a course required in an SUS engineering program, that course will substitute for the SUS course.

7. Individual SUS universities may enter into articulation agreements with individual community colleges for required engineering courses that students may take beyond the 48 hours. No SUS institution may enter into local agreements that do not include all of the courses listed in the 48 hours. Such agreements may include the option of community college students dual enrolling or cross enrolling in upper division courses not available at the community college.

Community College Prerequisites for Entry into Engineering Programs in the State of Florida University System

Program of Study at the Community College

The following common engineering articulation courses should be completed at the community college (if available) as part of the Community College's General Education Program.

Communications:		
ENC X101	English I	3 hours
ENC X102	English II	3 hours
Mathematics:		
MAC X311*	Calculus I with Analytical Geometry	4 hours
MAC X312*	Calculus II with Analytical Geometry	4 hours
MAC X313*	Calculus III with Analytical Geometry	4 hours
MAP X302	Differential Equations	3 hours
(* or MAC X281, MAC X282, MACX283)		
Natural Sciences:		
CHM X045**	General Chemistry I	3 hours
CHM X045L**	General Chemistry I laboratory	1 hour
PHY X048	Physics I	3 hours
PHY X048L	Physics I Laboratory	1 hour
PHY X049	Physics II	3 hours
PHY X049L	Physics II Laboratory	1 hour
(** or CHS X440 Chemistry for Engineers)		
Humanities & Social Sciences:		6 hours
Humanities Courses		6 hours
Social Science Courses		3 hours
Humanities or Social Sciences		

All engineering programs at Florida public universities will accept and credit all 48 hours toward a bachelor of engineering degree for students who successfully complete the above listed prerequisites. Students are expected to routinely receive their A.A. degree prior to transferring to a state university. If students transfer prior to receiving the A.A. (i.e., less that 60 hours), the courses they take at the senior institution, comprising the additional hours they need to meet the 60 hour requirement, can be transferred to the community college so that an A.A. degree is awarded by the community college to the student and their general education requirements are protected.

Students should contact the specific engineering program office at the university of their choice for any additional information they need. In particular, guidance should be obtained in regard to course equivalencies or substitutions, additional courses from the community college which will transfer to the engineering program, and admittance to the engineering program.