

## APPENDIX E

### ASSOCIATE OF SCIENCE TRANSFER DEGREE # 2

#### Engineering, Computer Science, Physics, and Atmospheric Sciences <sup>1</sup>

(Effective Fall 2009)

The Associate of Science Transfer (AS-T) Degree #2 is designed to prepare students for upper division study in the areas of engineering, computer science, physics, and atmospheric science. Completing the AS-T degree will prepare students for upper division study; it does not guarantee students admission to the major.

In order to prepare students for upper division study, the Associate of Science Transfer Degree #2 should possess the following characteristics:

- I. Be issued only to students who have earned a cumulative grade point average of at least 2.00, as calculated by the degree awarding institution.
- II. Be based on 90 quarter hours of transferable credit distributed as follows:
  - A. Communication Skills (minimum 5 credits)  
Minimum 5 quarter credits in college-level composition course.
  - B. Mathematics (10 credits)  
Two courses (10 quarter credits) required at or above introductory calculus level. (See also D4 below.)
  - C. Humanities and Social Science (minimum 15 credits)  
Minimum 5 credits in Humanities; and  
Minimum 5 credits in Social Science; and  
An additional 5 credits in either Humanities or Social Science for a total of 15 credits.
  - D. Pre-major Program (29 credits)
    1. Physics (calculus-based or non-calculus-based) sequence including laboratory (15 credits) (see note 3).
    2. Chemistry with laboratory required for Engineering majors (5 credits). Other majors should select 5 credits of science based on advising.
    3. Third quarter calculus or approved statistics course chosen with the help of an advisor based on the requirements of the specific discipline at the baccalaureate institution the student plans to attend (5 credits).
  - E. Remaining Credits (31 credits)

The remaining 31 credits should be planned with the help of an advisor based on the requirements of the specific discipline at the baccalaureate institution the student selects to attend. For Engineering disciplines, these credits should include a design component consistent with ABET

accreditation standards.

**NOTES:**

<sup>1</sup> Biological Sciences, Environmental/Resource Sciences, Chemistry, Geology, and Earth Sciences majors are referred to the Associate of Science Transfer Degree #1; Mathematics majors are referred to the Direct Transfer Associate's Degree.

**CLARIFICATIONS:**

1. Students completing this Associate of Science Transfer degree will receive the same priority consideration for admission to the baccalaureate institution as they would for completing the DTA associate degree and will be given junior status by the receiving institution.
2. Courses taken under D. above must come from the current ICRC distribution list (Appendix A) in order to count as General Education or General University Requirements (GERs/GURs) at the receiving institution. Additional general educational requirements, cultural diversity requirements, and foreign language requirements, as required by the transfer institution, must be met prior to the completion of a baccalaureate degree.
3. Students should be advised that some baccalaureate institutions require physics with calculus to meet D.1.
4. A maximum of five (5) credits of restricted elective courses (Appendix B) will be accepted in the remaining credits category (E. above).
5. Students are responsible for checking specific major requirements of baccalaureate institutions in the year prior to transferring.
6. Sequences should not be broken up between institutions (e.g., the typical three-quarter physics sequence should be taken entirely at one institution).