

# ENGINEERING

## Pre-Engineering Curriculum

The curriculum offered by the Department of Chemistry and Physics and the Department of Mathematics and Computer Science includes most courses required of first and second year students at colleges of engineering. Students wishing to transfer from ASU to a college of engineering should select appropriate courses in consultation with a faculty advisor from one of these departments.

### PRE-ENGINEERING TRANSFER PROGRAM

The Pre-Engineering curriculum is part of an Engineering Transfer Program in which an undergraduate student may engage in a pre-engineering preparatory program at Augusta State University and then transfer to an engineering program at the Georgia Institute of Technology Savannah Campus. After completing the academic requirements of the two participating institutions, the student will have earned an associate of science degree from Augusta State University and a bachelor degree in engineering from Georgia Tech. Students participating in this program may seek a degree from any engineering degree-granting program at the Georgia Tech Savannah Campus.

To be admitted to Georgia Tech in this program a student must (1) complete the program of study below; (2) submit application materials for evaluation by the Office of Undergraduate Admissions at Georgia Tech that include a positive recommendation from the designated faculty advisor within the Department of Chemistry and Physics or the Department of Mathematics and Computer Science at Augusta State University; and (3) attain a minimum overall Grade Point Average (GPA) based on residency: if the student is a Georgia resident, a minimum overall GPA of 2.7 and a GPA of 2.7 in the math, science, and engineering courses specified below is required. Non-Georgia residents must earn a minimum overall GPA of 3.0 and a GPA of 3.0 in the math, science and engineering courses specified below.

### Pre-Engineering Curriculum (69-80 credit hours)

(Grade of C or better is required in all courses transferred to GA Tech)

|   |      |
|---|------|
| Core Curriculum Areas A-E for Science Majors  | 42   |
| Area D selections must include:   |      |
| MATH 2011 Calculus and Analytic Geometry I  |      |
| CHEM 1211 Principles of Chemistry I   |      |
| CHEM 1212 Principles of Chemistry II  |      |
| Area E selections must include:   |      |
| ECON 1810 Introduction to Economics   |      |
| or ECON 2105 Macroeconomics   |      |
| or ECON 2106 Microeconomics   |      |
| Core Area F for Physics Majors  | 18   |
| Non-Core Courses  | 9    |
| CSCI 2060 Prog. for Sci. and Eng. (one credit hour is used in Area F)   |      |
| MATH 3020 Differential Equations  |      |
| MATH 3280 Linear Algebra  |      |
| Directed Electives  | 0-11 |
| One or more other courses may be required for transfer to GA Tech - Savannah depending on the student's chosen engineering field. Students should consult their pre-engineering advisor in the Department of Chemistry and Physics or the Department of Mathematics and Computer Science for the proper selection of these courses. |      |
| Wellness Requirement (4 credit hours)   |      |
| WELL 1000 Wellness  |      |
| One Physical Activity Course  |      |