

# MATHEMATICAL AND COMPUTER SCIENCES DEPARTMENT

## FIRST YEAR STUDENT ADVISING SHEET

MAJOR:      **Actuarial Science**

### COURSES REQUIRED BY THE MAJOR

#### First Semester

MA121 *Calculus I* (see note 1a)

AC101 *Introduction to Accounting*

#### Second Semester

MA122 *Calculus II* (see note 1b)

CS121 *Computer Science I* (see note 2)

### NOTES:

1. a. A student who achieved a score of 4 or better on the College Board Advanced Placement Calculus AB Examination receives credit for MA 121 Calculus I and should be placed in MA 122 *Calculus II* in the first semester and MA 222 *Calculus III* in the second semester.  
  
b. A student who achieved a score of 4 or better on the College Board Advanced Placement Calculus BC Examination receive credit for both MA 121 and MA 122 and should take MA 222 *Calculus III* in the first semester and consider seeking permission to take MA201 *Linear Algebra* in the second semester see note #3 below). Credit will be given for both Ma 121 and for MA 122.  
  
c. A student who achieved a score of 4 or better on the College Board Advanced Placement Probability and Statistics Examination will receive credit for a 3-credit course that substitutes for the MA 251 *Probability and Statistics* requirement.
2. CS121 *Computer Science I* is required of all Actuarial Science majors, and should be taken during the first year.
3. Actuarial Science is a separate major from Mathematics. For information about the Mathematics major (with optional concentrations in Pure Mathematics, Applied Mathematics, or Secondary Education), consult the advising sheet for the Mathematics major.
4. Students considering Actuarial Science or Mathematics majors should **not** take MA 105 *Mathematics for Liberal Studies* or MA 117 *Concepts of Calculus*.

Students interested in Mathematical Sciences should contact Dr. James Hughes, Chair of Mathematical and Computer Sciences, by e-mail at [hughesjr@etown.edu](mailto:hughesjr@etown.edu).