

# MATHEMATICAL AND COMPUTER SCIENCES DEPARTMENT

## FIRST YEAR STUDENT ADVISING SHEET

MAJOR:        **Actuarial Science**

### COURSES REQUIRED BY THE MAJOR

#### First Semester

- MA 121 *Calculus I* (see note 1a)
- AC 101 *Introduction to Accounting*
- MA 130 *Creative Problem-Solving I*

#### Second Semester

- MA 122 *Calculus II* (see note 1b)
- CS 121 *Computer Science I*
- MA 262 *Financial Mathematics with Excel*

### NOTES:

- a. A student who achieved a score of 4 or better on the College Board Advanced Placement Calculus AB Examination should be placed in MA 122 *Calculus II* in the first semester and MA 222 *Calculus III* in the second semester. Credit will be given for MA121 *Calculus I*.
  - b. A student who achieved a score of 4 or better on the College Board Advanced Placement Calculus BC Examination should take MA 222 *Calculus III* in the first semester and consider taking MA201 *Linear Algebra* in the second semester. 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 MA 251 *Probability and Statistics*.
2. Actuarial Science is a separate major from Mathematics with a separate advising sheet; consult that sheet for required first year courses for the Mathematics major.
3. Students considering an Actuarial Science major should **not** take MA 105 *Mathematics for Liberal Studies* or MA 117 *Concepts of Calculus*.
4. All Actuarial Science majors should take a math course every semester, even if they have AP or transfer credit for one or more calculus courses.
5. A C- or better is required to advance from MA 121 to MA 122 and from MA 122 to MA 222.

Students interested in Actuarial Science should contact Tim McDevitt, Chair of Mathematical and Computer Sciences ( [McDevittT@etown.edu](mailto:McDevittT@etown.edu), 717-361-1337).