# AnokaRamsey <br> Cambridge • Coon Rapids 

## BIOLOGICAL SCIENCES

## Associate in Science Degree <br> 2008-2009

Program Information: The Associate in Science Biological Sciences degree program prepares students for entry in the career fields of Biological Sciences and for transfer to four year baccalaureate programs majoring in the Biosciences and related academic tracks such as pre-med and pre-vet. Coursework will transfer in its entirety to Minnesota State University-Mankato and may transfer in part or entirely to the University of Minnesota, St. Cloud State University, Bemidji State University, Minnesota State University-Moorhead and other postsecondary institutions. Students should meet with a representative of the transfer institution when planning class schedules. For additional information about the biological sciences degree, visit the biology department web site at http://webs.anokaramsey.edu/biology/ .
Program Goals: By completing this program, students will achieve the following learning goals: 1) Demonstrate comprehension of biological systems at all levels of biological organization, 2) apply the scientific method within course investigations,
3 ) communicate biological data, analyses, and interpretations orally and/or in writing, 4) demonstrate application of critical thinking in classroom, field, and laboratory studies.
Program Admission: To apply for admission to the Biological Sciences degree program, identify Biological Sciences as your major on your application form.
Developmental Courses: Some students may need preparatory courses in the areas of English or Mathematics. Courses numbered below 1000 will not apply toward the AS degree.


You are encouraged to contact a counselor or an advisor or Ask Us on the website (www.anokaramsey.edu), for course planning assistance and information about transfer credit evaluation.
NOTE: The requirements of this program are subject to change without notice. Students should refer to the current catalog to determine the limits to earn a degree.

- Prerequisite courses for the A.S. in Biological Sciences Degree Program courses are as follows:

| Program Course: | Prerequisite for Program Course: |
| :--- | :--- |
| ENGL 1121 | Grade of C or better in ENGL 0950 or achievement of recommended score on English placement test. |
| MATH 1201 | Grade of C or better in MATH 1200 (College Algebra) or a required score on Math placement test. |
| BIOL 1106 | Grade of C or better in CHEM 1061 (Principles of Chemistry I) <br> CHEM 1061 is the prerequisite for BIOL 1106 for this program; it is highly recommended that students take this course during the summer <br> PRIOR to commencing the first year of this program. |
| BIOL 2114 | Grade of C or better in BIOL 2113 (Human Anatomy and Physiology I) <br> BIOL 2113 is the prerequisite for BIOL 2114 (for those students choosing to complete this program degree with this course); it is highly <br> recommended that students take this course during the summer PRIOR to commencing the second year of the program. |
| PHYS 1317 | Grade of C or better in MATH 1200 (College Algebra I) <br> MATH 1200 is the prerequisite for PHYS 1317 or requires concurrent enrollment. |
| PHYS 1318 | Grade of C or better in MATH 1201 (College Algebra II and Trigonometry) <br> \& PHYS 1317 (General Physics I) <br> MATH 1201 (\& PHYS 1317) are the prerequisites for PHYS 1318 or require concurrent enrollment. |

It is highly recommended that students carefully consider the timeline of the Program Sequence as not all Program Core and/or Additional Career Requirement Courses are offered every semester. Please note the semesters when the following courses are regularly offered:

| Biology <br> Courses | Fall | Spring | Summer | Chemistry <br> Courses | Fall | Spring | Summer | Physics <br> Courses | Fall | Spring | Summer |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{1 1 0 6}$ | X | X | X | $\mathbf{1 0 6 1}$ | X | X | X | $\mathbf{1 3 1 7}$ | X |  |  |
| $\mathbf{1 1 0 7}$ | X | X |  | $\mathbf{1 0 6 2}$ | X | X | X | $\mathbf{1 3 1 8}$ |  | X |  |
| $\mathbf{2 2 0 2}$ | X |  |  | $\mathbf{2 0 6 1}$ | X |  |  |  |  |  |  |
| $\mathbf{2 2 0 6}$ |  | $\mathrm{X}^{*}$ |  | $\mathbf{2 0 6 2}$ |  | X |  |  |  |  |  |
| $\mathbf{2 2 0 7}$ |  | $\mathrm{X}^{*}$ |  |  |  |  |  |  |  |  |  |
| $\mathbf{2 2 0 8}$ |  | X |  |  |  |  |  |  |  |  |  |
| $\mathbf{2 2 0 9}$ | X |  |  |  |  |  |  |  |  |  |  |
| $\mathbf{2 1 1 3}$ | X | X | X |  |  |  |  |  |  |  |  |

