

**University of Dayton**  
**Department of Biology**  
**ASSESSMENT ACTIVITY FORM**  
**May 2003**

Dept/Program: Biology, B.S.  
Date: May 2003

Chair/Director: J.J. Rowe

**Outcome 1: Graduates will be prepared for entry into graduate or health professional school**

Measure 1: 50% taking GRE Advanced Test in biology will score at least 50 percentile in subcategories.

Cell/Molecular: 4 of 5 did (80%)

Organismal: 4 of 5 did (80%)

Ecology/Evolution: 4 of 5 did (80%)

Achieved: An overall average of 80%

Measure 2: 50% taking MCAT will score at least 50 percentile on biology section.

Achieved: 12 of 13 did (92%)

Measure 3: 50% taking pre-dental exam will score at least 50 percentile.

Not Achieved: 0 of 1 did (0%)

Measure 4: 50% taking pre-optometry exam will score at least 50 percentile.

Not Applicable: 0 of 0

Twenty-three students were pursuing further education in a health profession school (i.e. medical, dental, veterinary, nursing , pharmacy).

**Outcome 2: Graduates will be prepared for employment in a field that uses their biological knowledge.**

Measure 1: 30% of those seeking employment directly upon graduation will achieve this Goal.

Not Yet Achieved: At the time of graduation 10 students were seeking employment and 3 had secured a position.

**Outcome 3: Graduates will demonstrate interest in and willingness to serve the larger community.**

Measure 1: 50% will join Tri-Beta, the Biology Honor and Service Society.

Not Achieved: 15 of 44 did (34%)

Measure 2: 30% will join AED, the Premedical Honor and Service Society.

Achieved: 13 of 44 did (30%)

Measure 3: 20% will join one or more other service organizations.

Achieved: 21 of 44 did (48%)

100% of students participated in service opportunities.

Four graduating seniors were committed to a service position (Peace Corps, Americorp, etc.) after graduation.

**Outcome 4: Graduates will demonstrate the ability to conduct research and/or report in detail current research efforts in biology.**

Measure 1: 25% will complete BIO 421 or 422 (with a grade of B or better) and present Research at Stander Symposium.

Not Achieved: 8 of 44 did (18%)

Measure 2: 70% will complete BIO 152L and 201L (with a grade of B or better).

Achieved: 44 of 44 did in BIO 152L (100%)

44 of 44 did in BIO 201L (100%)

Measure 3: 90% will complete seminars BIO 299 and 420 (with a grade of B or better).

Achieved: 44 of 44 did in BIO 152L (100%)

44 of 44 did in BIO 201L (100%)

Measure 4: 50% of graduates will participate in the research program of a faculty member.

Not Achieved: 16 of 44 did (36%)

37 Students made comments:

9 students commented on course offerings:

- 4 requested a better selection of classes
- 3 requested a human anatomy course
- 2 requested a biostats course become integrated into the department
- 1 requested that ecology become a required course
- 1 requested that more MWF classes be offered instead of classes primarily being on TTH
- 1 requested that a year long physiology class be offered
- 1 requested a forensic science course

11 commented on labs:

- 4 requested better lab facilities
- 4 requested that more labs be offered each semester
- 2 requested that labs be made more applicable to the field
- 1 requested that not as many labs be required

6 commented on research opportunities:

- 3 requested more publicity about research opportunities
- 1 requested that a wider variety of research opportunities be offered
- 1 requested a senior research project be offered
- 1 requested more assistance in getting research experience

4 students commented on professors:

- 1 requested more professors in order to increase class selection and reduce class size
- 1 requested that faculty not display favorites among students
- 1 requested a meet the professors event at the beginning of freshman year
- 1 commented on improving the quality of relationships with advisors

5 students commented on the EVB program:

- 2 suggested that not as much emphasis be placed on cellular and molecular bio and more EVB courses be offered
- 1 requested the elimination of the stats requirement from the EVB curriculum
- 1 requested that the EVB program be strengthened
- 1 requested that EVB research among the professors be more encouraged

3 students requested that more emphasis be placed on career development with assistance through internships and career fairs

1 student suggested that more help be offered regarding the GRE and graduate schools

1 student suggested that more essay tests be given and not as many scan-tron tests