

Biological Resources Engineering Scholarships, Financial Aid and Awards

The Department offers four scholarships and two awards to Biological Resources Engineering majors in the spring. Certificates are given to sophomores and graduating seniors with a 3.5 grade average or higher. Other scholarships and awards are available through other sources. Several financial aid opportunities are also available.

Financial Aid opportunities include cooperative education (work study) programs available through the Clark School of Engineering and the College of Agriculture and Natural Resources. Part-time employment is available in the department, in USDA laboratories located near campus, the National Institutes of Health and at other locations.

Scholarships are awarded to freshmen in Biological Resources Engineering by the College of Agriculture and Natural Resources, the Clark School of Engineering, and by the campus. These scholarships vary in value from \$500 to full tuition, fees and books.

The department awards four scholarships specifically for Biological Resources Engineering majors. The Washington, D.C./Maryland Section of ASABE provides two \$1500 scholarships to outstanding students in the Biological Resources Engineering Department each year. This scholarship is based on academic achievement, financial need, and contributions to the profession. Students are required to be student members of ASAE or other biological engineering professional society to be eligible. In addition to this scholarship, the Department awards a \$1000 Robert L. and Frances C. Green Scholarship. This scholarship is awarded on the basis of academic achievement and contributions to the department and profession. Membership in a professional biological engineering society is required for the Washington, D.C. Maryland Section of ASABE scholarships and the Green scholarship. A Delmarva Safety Association Scholarship awards \$750 to a Maryland Biological Resources Engineering student who has an interest in safety.

Outstanding junior and senior students are recognized each year for scholastic achievement and for their contribution to the department, college and university. Top students are selected for Alpha Epsilon, the Honor Society of Biological Resources Engineering, and Tau Beta Pi, the engineering honor society, and other honors.

The Department presents the ASABE Student Honor Award, sponsored by the American Society of Agricultural and Biological Engineers, and the Department of Biological Resources Engineering's Outstanding Senior and Junior Awards.

Also certificates are given to sophomores and graduating seniors with GPA's of 3.50 or higher.

A departmental Student Vita Form is used as an application for departmental scholarships and awards. An announcement calling for applications is made in February with applications due in February or March each year. Check with undergraduate advisors for specific information.

Other scholarships and awards are available from the A. James Clark School of Engineering Scholarship Program for Undergraduates. Further information is available at <http://www.eng.umd.edu/scholarships/>

ASAE Student Honor Award

At the annual meeting of the ASAE in June 1949, delegates representing the student branches of ASAE expressed the desire that the Society establish an honor award in recognition of conspicuous student activity. The award was first granted in 1952. ASAE became ASABE in 2005.

Criteria

General rules, eligibility rules, schedule of award points, and the official score sheet are available on the web at the URL of ASAE in Appendix 3 of the ASAE Student Manual

(<http://www.asabe.org/awards/studawards/studhonor.html>)

Biological Resources Engineering students who have been active in the local student branch -- Biological Resources Engineering Society (BRES) -- should complete the form in February and submit it to the BRES Advisor. Selection is based on the point system described in the ASABE Student Manual.

Award

A certificate and honor keyholder are presented by ASABE to the recipient(s).

Outstanding Junior Award

The faculty of the Department of Biological Resources Engineering select an outstanding engineering junior who is excelling in their college career in the combined areas of academic standing, service to the department, activities in student organizations, and service or activities in the community at large.

Criteria

The selection will be based on the record presented by the student in the Student Vita form for the areas stated above.

A faculty committee will make the selection based on the information provided by the student. Other information provided by the faculty or requested from other sources may be considered.

Student Vita forms must be completed by an annually designated date in February.

Award

A plaque will be awarded to the recipient. The chair of the department sponsors the plaque.

Outstanding Senior Award

The faculty of the Department of Biological Resources Engineering select an outstanding engineering senior who has excelled during their college career in the combined areas of academic standing, service to the department, activities in student organizations, and service or activities in the community at large.

Criteria

The selection will be based on the record presented by the student in the Student Vita form for the areas stated above.

A faculty committee will make the selection based on the information provided by the student. Other information provided by the faculty or requested from other sources may be considered.

Student Vita forms must be completed by a designated date, usually in February.

Award

A plaque will be awarded to the recipient. Faculty of the department sponsor the plaque.

Certificates

Sophomore Certificate of Commendation

Sophomores in Biological Resources Engineering with GPA's of 3.50 or higher will receive a departmental Certificate of Commendation to recognize the academic standing.

Senior Certificate of Excellence

Graduating seniors will receive a departmental Certificate of Excellence to recognize GPA's of 3.50 or higher in Biological Resource Engineering.

Washington, D.C. - Maryland Section, ASABE Scholarships (2)

The Washington, D.C. - Maryland Section, ASABE established a scholarship in 1975 with member donations. The Section and its members felt it was their responsibility to encourage and support young people entering the Biological Resources Engineering profession. Since financial restrictions often limit students' progress, the Section's two scholarships are to assist students and to encourage academic achievement.

The scholarships are awarded annually to the most qualified Junior Biological Resources Engineering students at the University of Maryland, who have at least two semesters to complete for graduation, beyond the current semester.

Scholarship Criteria

Selection of the student to receive these scholarships will be based on the criteria and rating system below. The student receiving the highest score will be the scholarship recipient.

Criteria	Maximum Points
Scholarship	40
Financial need	10
ASABE/BRES/other engineering activities	25
Other extracurricular activities	15
Agribusiness experience	<u>10</u>
	100

Scholarship is one indication of a student's potential to contribute to the Biological Resources Engineering profession and his/her dedication to the profession. Thus, it is heavily weighted. Candidates must have been enrolled in Biological Resources Engineering for at least one year.

Financial need is a function of many variables. Since one goal of the Section is to assist students with limited means, need should be considered in selection of the scholarship winner.

The scholarship is provided by the Washington, D.C.-Maryland Section, ASABE. Activities in his/her professional society are an important aspect of a student's professional growth. It is also important throughout his/her professional life.

Student membership in the Student Branch (BRES) and ASABE or biological engineering related society is required.

Extracurricular activities are important in rounding out a student's background and character. Thus, some consideration is given to this important aspect of college life.

Award

The award is in the amount of \$1,500.00, \$750.00 for each of two consecutive semesters.

The first scholarship was awarded in 1981 and 25 scholarships have been awarded between 1981 and 2003.

Application

Qualified students should complete a departmental Student Vita form by an annually designated date in February. The student must have Junior or Senior standing at the beginning of the next fall semester.

The Student Vita will be the primary basis for selection by a faculty committee. The committee may request additional information from students or other appropriate sources if necessary.

Robert L. and Frances C. Green Scholarship

Dr. R. Lamar Green served as chair of the Department of Agricultural Engineering from 1958–1972, head of the University's Water Resource Research Center from 1965–1979, and Acting Director, Maryland Agricultural Experiment Station from 1972–1976. He retired in 1979 and died in 1993.

Dr. Green provided the leadership to establish the B.S., M.S. and Ph.D. degrees in Agricultural Engineering at the University of Maryland. The department developed a new Biological Resources Engineering curriculum in 1993 and the department name changed to the Department of Biological Resources Engineering in 1996.

Dr. Lamar Green, as he was known, was active in many soil and water conservation activities in the United States and around the world. Dr. Green developed criteria for the National Student Honor Award of ASABE. Dr. and Mrs. Green supported students and student activities. They donated the funds to establish this scholarship. The first award was made in 1987.

The recipient will be a student enrolled in Biological Resources Engineering who can complete requirements for the ENBE degree prior to the fall semester of the next calendar year (currently Junior standing with two semesters plus summers to go).

The recipient will be selected by the faculty of the Department of Biological Resources Engineering guided by but not bound to the eligibility rules (ER-1 through ER-5) and schedule of award points of the ASABE Student Honor Award. (See <http://www.asabe.org/awards/studawards/studhonor.html>).

Eligibility Rules

A student to be eligible for the Robert L. and Frances C. Green Scholarship must:

ER-1 Be enrolled in a four- or five-year professional agricultural, food, or biological engineering curriculum leading to a bachelor's degree; or be enrolled in a four- or five-year ASABE approved agricultural mechanization curriculum leading to a bachelor's degree in agricultural mechanization or its equivalent.

ER-2 Have attended the school where currently enrolled for a minimum of one academic year.

ER-3 Have earned at least a 2.5 (if an A is counted as 4.0 honor points), C+ or 75 percent average, as explained under Schedule of Award Points, for all work completed since the beginning of his/her freshman year.

ER-4 Be enrolled for a period of at least one academic year as a student member of ASABE and as a member of the local ASABE student engineering or mechanization branch.

ER-5 Have attended a minimum of two-thirds (2/3) of all scheduled meetings of his/her student branch since becoming a member of the branch, as shown by the secretary's attendance records.

Application

Eligible students should complete the departmental "Student Vita" form by an annually designated date (usually in February). The candidate must address the eligibility rules in completing the Student Vita form. The official score sheet for the ASABE Student Honor Award can be completed and attached to the Student Vita form for clarification.

The student vita will be the primary basis for selection by a faculty committee. The committee may request additional information from students or other appropriate sources if necessary.

Award

The award is in the amount of \$1,000.00, \$500.00 for each of two consecutive semesters.

Delmarva Safety Association Scholarship

The Delmarva Safety Association will provide a \$750 scholarship to a Maryland Biological Resources Engineering student who has an interest in safety.

Criteria

Students must complete the departmental Student Vita form and express an interest in this scholarship by writing a paragraph on their interest in improving agricultural safety through engineering inputs. Application is due by an annually designated date in February.

Award

The scholarship is \$750 for one year.

ENBE students should join a professional society. Show evidence of membership when applying for awards. Attend BRES activities. Information on ASABE student membership is given at <http://www.asabe.org/membership/students/index.html>.

ASABE Preprofessional Scholarships, Awards and Competitions Link

The American Society of Agricultural and Biological Engineers and the ASABE Foundation are pleased to announce the following scholarships, awards and competitions available, along with their respective entry due dates.

Student Professional Society Membership

Links to professional biological engineering societies follow:

[IBE - The Institute of Biological Engineering](#)

[Biomedical Engineering Society](#)

[ASEE -- The American Society for Engineering Education](#)

[Aquacultural Engineering Society](#)

[ASABE – the American Society of Agricultural and Biological Engineers](#)

– the Society for engineering in agricultural, food and biological systems

Information on ASAE student membership is given at
<http://www.asabe.org/membership/students/index.html>.

Also, see Biological Resources Engineering Society B-RES site at
<http://www.studentorg.umd.edu/bres/> for membership.

Application Forms

[Student Vita Form](#) (Department of Biological Resources Engineering). Use for departmental scholarships and awards.

On-line Scholarship Application (A. James Clark School of Engineering). Use for non-departmental scholarships and awards.
<http://www.eng.umd.edu/organizations/osp/Scholarships/>

College of Agriculture and Natural Resources Scholarships (including outside scholarships and financial aid)
<http://www.agnr.umd.edu/Academics/index.cfm?ID=7>

UMCP Office of Student Financial Aid
<http://www.financialaid.umd.edu>

<http://www.bre.umd.edu/home.html>