Engineering Scholars Program (ESP) Application Package for Future Engineers and Technicians

Engineering Scholars Program: Increasing Access and Diversity (ESP Scholars)
Anne Arundel Community College

Anne Arundel Community College (AACC) as an Achieving the Dream College is committed to student success completion of Associate Degree programs and transfer option programs leading to the successful attainment of a baccalaureate degree at a four-year institution or employment. In accordance with our Student Success 2020 initiative, the **Engineering Scholars Program** is a scholarship program which provides financial, academic and career support to students pursuing one of the following degrees with a focus on Engineering or Engineering Technology:

- **Associate of Applied Science in Engineering/Electronics (AAS.EGR.ELEC)** --for students wishing to enter the workforce upon graduation as electronic technicians. Electronic technicians help build, install, troubleshoot, repair, and upgrade a variety of technological hardware. Students with this degree can also transfer to four-year colleges with baccalaureate degrees in electronic engineering technology.
- **Associate of Applied Science in Engineering/Technology-Telecommunications (AAS.EGR.TELE)** -- for students wishing to enter the workforce upon graduation as telecommunications technicians. These technicians work on telecommunications systems such as phone and cell phone systems, data transmission, transmitters and receivers, fiber optics and satellites. Students with this degree can also transfer to four-year colleges with baccalaureate degrees in telecommunications technology.
- **Associate of Science in Engineering/Electrical (ASE.EGR.ELEC**) --for students intending to pursue a baccalaureate degree in electrical engineering, by taking the first two years of electrical engineering study at AACC, and then transferring into a State of Maryland college or university via the statewide articulation agreement in electrical engineering.
- **Associate of Science in Engineering Transfer (AS.EGR.EGR)** --for students intending to pursue a baccalaureate degree in any engineering discipline, by taking the first two years of engineering study at AACC, and then transferring into a college or university engineering program.
- **Associate of Applied Science in Mechatronics Engineering Technology (AAS.EGR.MECHATRONICS)** – for students wishing to enter the workforce upon graduation as a mechatronics technician. Mechatronics technicians help maintain, troubleshoot and repair automated systems used in factories or manufacturing facilities.

The ***Engineering Scholars Program: Increasing Access and Diversity (ESP Scholars)*** at AACC will increase the number of academically talented students who graduate from Anne Arundel Community College and a) transfer to a four-year institution and enter the engineering workforce or b) directly enter the engineering technologies workforce. This program includes strategies and support structures to assist all scholarship recipients, including underrepresented populations (women and minorities) in engineering and engineering technologies. Through the ESP Scholars program, students will have greater opportunities to achieve academic success as they are provided access to a variety of services and programming which includes financial support, academic support services (specific to Engineering and Engineering Technologies), mentorship and internship opportunities. The maximum award amount is $4,000 per year per student based on need. Additional financial support is provided for workshops, travel to conferences and programming specific to the ESP scholars program.

Eligibility

Students meeting the following requirements are eligible to apply to the program:

1. Demonstrated financial need
2. Minimum GPA of 2.75 on a 4.0 scale (high school and current AACC applicants)
3. Declared major or intent to declare a major in one of the following programs (AAS.EGR.ELEC, AAS.EGR.TELE, AAS.EGR.MECHATRONICS, ASE.EGR.ELEC and AS.EGR.EGR)
4. Be a US citizen or Permanent resident of the US.

Program Requirements

Each ESP Scholar must:

1. have a strong interest in pursuing a career in an Engineering or Engineering Technologies field and a strong desire to participate in applied learning activities including research and/or internships
2. be enrolled full-time at AACC as an Engineering or Engineering Technologies major
3. maintain a minimum GPA of 3.00
4. attend student success activities (group tutoring sessions, success workshops)
5. attend professional talks
6. attend a professional conference (one per academic year)
7. attend the summer ESP Orientation Program (August 18, 2016 – August 19, 2016)
8. attend the spring ESP Orientation Program (January 12, 2017 - January 13, 2017)
9. adhere to all rules and guidelines of the ESP program

Program Benefits

1. Financial Assistance ($4,000 maximum per year not to exceed financial need)
2. Faculty and industry mentoring and advising
3. Internship and research opportunities
4. Professional Development (conferences and professional meetings)
5. Organized tutoring and study groups
6. Career services
7. Campus tours
8. Social and cultural Activities

Engineering Scholars Program (ESP) Application

Engineering Scholars Program: Increasing Access and Diversity (ESP Scholars)
Anne Arundel Community College

Fall 2016 Deadline: April 25, 2016

General Information

Please type or write clearly to complete your application. You must attach an official, up-to-date, and sealed transcript to this application. Applicants must also enclose the completed essay (typed) and a teacher/faculty recommendation. **Completed application materials should be submitted no later than 5:00pm on the application deadline.**

Personal Data: (Please type or print clearly)

Name (last, first): _____ Date: _____

AACC Student ID # (if known): _____

Date of Birth (MM/DD/YYYY): _____

Gender: [ ] Female [ ] Male

Mailing address: _____

_____

_____

Phone #: _____ Email: _____

Academic Data: (All applicants must maintain full-time status: minimum of 12 credits per semester)

[ ] High School Senior
] Current EGR or EET Student at AACC (Please indicate number of credits completed _____)

Note: Priority awarding to students completing 36 credits or less within an EGR or EET program at AACC.

[ ] Other Students (Explain) _____

The following information is needed for reporting to the National Science Foundation (NSF)

Citizenship: [ ] US citizen [ ] Permanent Resident

Ethnicity: [ ] Hispanic or Latina [ ] Not Hispanic or Latina
Race: [ ] American Indian or Alaska Native [ ] Asian [ ] Black or African American [ ] White

[ ] Native Hawaiian or Other Pacific Islander [ ] Others

Disability Status: [ ] Hearing [ ] Vision [ ] Mobility [ ] Learning [ ] Other [ ] None

DISCLAIMER AND SIGNATURE

I certify that my answers are true and complete to the best of my knowledge.

My signature gives permission for the AACC ESP Scholars Program Advisory committee to review any academic records and any information pertaining to my eligibility for Federal Financial Aid.

Signature: _____ Date: _____

Please mail/email the application package to:

Financial Aid Office
Anne Arundel Community College
101 College Parkway
Arnold, MD 21012-1895
C/O Mr. Michael McGranahan
OR
mjmcgranahan@aacc.edu

The AACC Engineering Scholars S-STEM program is funded by a grant from the National Science Foundation (NSF) Award #* 11040000 DUE. *Women and underrepresented minorities are encouraged to apply.

Biographical Essay

Please type an approximate 400 word essay which tells us who you are and discusses your interest in the ESP program and how your experiences and aspirations are consistent with the various aspects of our program. You should include the following:

1. Describe yourself and background. What should we know about you?
2. Description of how you value academic success and the methods that you use to improve your own academic performance.
3. Description of your career aspirations and how becoming an ESP Scholar will assist you in meeting your career goals.
4. Discussion of three characteristics that you possess which can contribute to the success of the ESP Scholars program and how you plan to utilize and improve these characteristics as an ESP Scholar.
5. Explanation of what you hope to gain as an ESP scholar.

Teacher/Faculty Recommendation Letter

Each applicant must include a recommendation from a teacher or faculty member along with their application. This individual should be able to provide detailed information regarding your academic potential and more specifically, what you would bring to the ESP Scholars program. Your teacher/faculty letter should be no more that 1-2 pages in length. To facilitate this process, you may provide the teacher with the following statement.

Your student is interested in the Engineering Scholars Program (ESP) at Anne Arundel Community College. This program provides financial assistance and support services to high achieving students with demonstrated academic potential. If selected, your student will benefit from academic support, mentorship, career and internship opportunities to ensure success in one of our Engineering and Engineering Technologies programs. As part of the application package, each student must submit a recommendation letter from a teacher or faculty member. The completed application package including your recommendation letter is due no later than ***5:00pm on deadline date.*** *Please write a detailed letter (1-2 pages) describing your knowledge of the student and his or her ability to be successful in the ESP program.*

Application Checklist

Before submitting your application, please make sure you have included all of the following:

1. Completed ESP Scholarship Application (enclosed)
2. Biographical Essay (directions enclosed)
3. Teacher/Faculty Recommendation Letter (directions enclosed)
4. Official college transcript OR most recent high school transcript
5. Completed an AACC Admissions application (apply on-line at http://www.aacc.edu/admissions/)
6. Completed a Free Application for Federal Student Aid –FAFSA (apply on-line at http://www.aacc.edu/aid/). AACC school code is 002058.