

**Robotics Education & Competition Foundation**  
*Inspiring students, one robot at a time.*



The REC Foundation is pleased to provide two industry certifications for schools, students in engineering related programs, and robotics clubs. These certifications were designed by a team of engineers from industry, College professors, and high school teachers from America's Space Coast in Florida.



The REC Foundation's Certification Program is a response to a global need for more students in the Science, Technology, Engineering, and Mathematics (STEM) fields. The REC Foundation's Pre-Engineering and Robotics Certifications are based on the knowledge that students should demonstrate after 150 hours of high school-level coursework focusing on basic fundamentals. The content in both certifications is based around basic coursework and experience, not from any specific textbook, curricula, or software.



The Pre-Engineering Certification requires completion of the Fundamentals of Engineering module, in addition to two of the eight listed Engineering Modules. The Robotics Certification requires completion of the Fundamentals of Engineering Module in addition to the Mechanical, Electrical, and Programming Modules. The requirements for the Robotics Certification exceed the requirements of the Pre-Engineering Certification, as a result, students earn both the Pre-Engineering and the Robotics Certifications by completing all required modules for the Robotics Certification.

### Modules for Industry Certifications

Fundamentals of Engineering (required for both certifications) and must select mechanical, programming and electrical for the Robotics Certifications):

- Mechanical
- Computer Science and Engineering (Programming)
- Electrical
- Chemical
- Aerospace
- Civil Engineering
- Engineering Technology
- Manufacturing Technology



For more information to provide these opportunities for your school or club contact:

**Phone:** (903) 401-8010

**Email:** [certifications@roboticseducation.org](mailto:certifications@roboticseducation.org)

**Web page:** <http://www.roboticseducation.org/certification>



**REC Foundation websites:** [www.roboticseducation.org](http://www.roboticseducation.org) and [www.robotevents.com](http://www.robotevents.com)

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