

# Pre-Engineering Certification Examinations

## Credential Source

<b>Name</b>	Robotics Education Competition Foundation (RECF)
<b>Website</b>	<a href="http://www.roboticseducation.org">http://www.roboticseducation.org</a>
<b>Contact Information</b>	Ken Jakoby, Industry Certification Consultant 903.401.8010 <a href="mailto:certifications@roboticseducation.org">certifications@roboticseducation.org</a>

## Credential Contractor

<b>Name</b>	Answer Key
<b>Contact Information</b>	Answer Key 28701 Vista Ladera Laguna Niguel, CA 92677 949.206.1761 <a href="mailto:dan.greenfield@answerkey.net">dan.greenfield@answerkey.net</a>

## Test Administration

<b>Test Site</b>	School: Online
<b>Can the instructor take this test?</b>	Yes
<b>Details</b>	Students must pass Fundamentals of Engineering (30 minutes) plus a minimum of two out of the following eight engineering modules (30 minutes each): <ul style="list-style-type: none"><li>• Aerospace Pre-Engineering (33 questions)</li><li>• Chemical Pre-Engineering (25 questions)</li><li>• Civil Pre-Engineering (27 questions)</li><li>• Computer Science/Programming (25 questions)</li><li>• Electrical Pre-Engineering (26 questions)</li><li>• Engineering Technology (27 questions)</li><li>• Manufacturing Technology (23 questions)</li><li>• Mechanical Pre-Engineering (25 questions)</li></ul>
<b>Number of Test Items</b>	Varies per exam
<b>Time Allowed</b>	30 minutes
<b>Passing Score</b>	70%
<b>Cost</b>	\$10
<b>Additional Information</b>	<ul style="list-style-type: none"><li>• The additional voucher may be used for a practice test, retake, or additional module.</li><li>• Teachers taking this test must be in a proctored environment, the same as the students.</li><li>• Test administrators must sign our proctoring agreement and adhere to their local and state laws. <a href="mailto:certifications@roboticseducation.org">certifications@roboticseducation.org</a>.</li><li>• <a href="#">Industry Certifications Resource Guide</a></li></ul>
<b>Accommodations</b>	<b>Students with disabilities</b> <ul style="list-style-type: none"><li>• Time of day</li><li>• Test location</li></ul>

	<ul style="list-style-type: none"><li>• Adaptive or special furniture</li><li>• Special lighting</li><li>• Written directions accompanying oral directions</li><li>• Amplification equipment</li><li>• Headphones, earmuffs, or ear plugs</li><li>• Interpreting/transliterating testing directions</li><li>• Examiner records responses</li><li>• Calculator and arithmetic tools</li><li>• Calculator with additional functions</li><li>• Additional writing implements</li></ul> <p><b>English Learners</b></p> <ul style="list-style-type: none"><li>• Bilingual dictionary</li><li>• Flexible schedule</li><li>• Test directions delivery</li></ul>
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### Possible Preparatory Courses

Engineering Analysis and Applications II (8451/36 weeks)

Engineering Concepts and Processes III (8452/36 weeks)

Engineering Practicum IV (8453/36 weeks)

Engineering Studies (8491/36 weeks)