Smart Manufacturing and Advanced Robotics Training (SMART) Certification Examination

Credential Source Contact information

Source Company Name: Carnegie Mellon Robotics Academy
Contact: Vu Nguyen, Co-Director
Phone: 412-681-7160
Email: vnguyen@cmu.edu
Website: www.cmu.edu/roboticsacademy

Credential Contractor

Credential Contractor: Same as source
Contact: Same as source
Phone: Same as Source
Email: Same as Source

Test Administration

Test Site

• School: Online

Can the instructor take this test?: Yes

Number of Test Items: 5

Time allowed (minutes): 60-120 (depending on exam)

Passing score (percent): 70

Cost Per Test: $50

Additional information:

• Exam is available upon completion of activities/projects on the learning management system. Exam is multiple choice.

• Exam is available upon completion of activities/projects on the learning management system. Exam is multiple choice. To view research behind courses/credential, visit https://www.cmu.edu/roboticsacademy/Research/SMART/index.html.

Possible Preparatory Courses

Technology of Robotic Design (8421/36 weeks)

Electronics Systems I (8416/36 weeks)

Accommodations: Students with Disabilities

Timing

Multiple test sessions .................................................................Yes
Time of day ..............................................................................Yes
Order of tasks.........................................................................Yes
Planned breaks during test ....................................................... No
### Setting

<table>
<thead>
<tr>
<th>Feature</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test location</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adaptive or special furniture</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>Special lighting</td>
<td>Y</td>
<td></td>
</tr>
</tbody>
</table>

### Presentation

<table>
<thead>
<tr>
<th>Feature</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written directions accompanying oral directions</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Specific verbal prompts</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Visual aids</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Amplification equipment</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Headphones, earmuffs, or earplugs</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Large-print test</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Braille test</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Read-aloud test</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Audio test</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Interpreting/transliterating testing directions</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Interpreting/transliterating the test</td>
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<td>N</td>
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</tbody>
</table>

### Response

<table>
<thead>
<tr>
<th>Feature</th>
<th>Yes</th>
<th>No</th>
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</thead>
<tbody>
<tr>
<td>Enlarged copy of the answer document</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Communication board or choice cards</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Examiner records responses</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Brailler</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Word processor or word processor with speech-to-text</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Augmentative communication device</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Word prediction software</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Spelling aids</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>English dictionary</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Dictation using a recording device</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Dictation to a scribe</td>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Read back student response</td>
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<td>N</td>
</tr>
<tr>
<td>Calculator and arithmetic tools</td>
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<td>N</td>
</tr>
<tr>
<td>Calculator with additional functions</td>
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</tr>
<tr>
<td>Math aids</td>
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<td>N</td>
</tr>
<tr>
<td>Dry erase board</td>
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</tr>
<tr>
<td>Additional writing implements</td>
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</table>
### Accommodations: English Learners

<table>
<thead>
<tr>
<th>Accommodation</th>
<th>Provided</th>
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<tbody>
<tr>
<td>Audio test</td>
<td>No</td>
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<tr>
<td>Bilingual dictionary</td>
<td>No</td>
</tr>
<tr>
<td>Dictation to scribe</td>
<td>No</td>
</tr>
<tr>
<td>English dictionary</td>
<td>No</td>
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<tr>
<td>Examiner records responses</td>
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<td>Flexible schedule</td>
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<td>Multiple test sessions</td>
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<td>Read-aloud test</td>
<td>No</td>
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<tr>
<td>Test directions delivery</td>
<td>No</td>
</tr>
<tr>
<td>Visual aids</td>
<td>No</td>
</tr>
</tbody>
</table>