

April 2008

Survey Results for Proposed Changes to Mechanical and Electrical Engineering Technology Career-Technical Assurance Guides (CTAGs).

The primary recommendation for both areas was that the learning outcomes in each Career-Technical Articulation Number (CTAN) as well as the associated credit hours be revised to match those of the Ohio Articulation Numbers (OANs). This affected the following courses/areas.

1. DC Circuits
2. Digital Electronics
3. CAD
4. Manufacturing Processes
5. Engineering Materials

Electrical Engineering Technology

Course or Subject Area	Description	Respondents	Results
DC Circuits	<p>The wording of the DC Circuits OAN should be adopted for the CTAN. Thus the wording of the OAN will be used for the CTAN.</p> <p>The credit hours for the CTAN will match those of the OAN.</p>	<p>27 Career-Technical Institutions</p> <p>17 Higher Education</p>	<p>96% of respondents recommended adoption.</p>
Digital Electronics	<p>The wording of the Digital OAN should be adopted for the CTAN. Thus the wording of the OAN will be used for the CTAN.</p> <p>The credit hours for the CTAN will match those of the OAN.</p>	<p>26 Career-Technical Institutions</p> <p>17 Higher Education</p>	<p>98% of respondents recommended adoption.</p>

Mechanical Engineering Technology

Course or Subject Area	Description	Respondents	Results
CADD	<p>The wording of the CAD OAN should be adopted for the CTAN. Thus the wording of the OAN will be used for the CTAN.</p> <p>The credit hours for the CTAN will match those of the OAN.</p>	<p>20 Career-Technical Institutions</p> <p>15 Higher Education</p>	97% of respondents recommended adoption.
Manufacturing Processes	<p>The wording of the Digital OAN should be adopted for the CTAN. Thus the wording of the OAN will be used for the CTAN.</p> <p>The credit hours for the CTAN will match those of the OAN.</p>	<p>20 Career-Technical Institutions</p> <p>15 Higher Education</p>	94% of respondents recommended adoption.
Engineering Materials	<p>The Engineering Materials OAN is primarily a steel based course. The matching CTAN incorporated other materials. Thus it was recommended that the CTAN to be temporarily removed until a panel can investigate changes.</p>	<p>20 Career-Technical Institutions</p> <p>15 Higher Education</p>	91% of respondents recommended adoption.

Note: Because of the necessity to match the learning outcomes in the mechanical and electrical OANs to those found in the CTANs, changes in wording could not be accommodated as was suggested by several respondents.