Today’s Webinar

You’ll learn about:

- TA activities planned by the *Pathways to Credentials* initiative
- Benefits to participating colleges
- Expectations of colleges
- Application process
Welcome

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Deputy Assistant Secretary for Community Colleges
Office of Career, Technical, and Adult Education (OCTAE)
U.S. Department of Education
Purpose:
Designed to assist community and technical colleges in their efforts to embed stackable, industry-recognized credentials within technical associate degree programs.
Characteristics of Stackable Credentials

- Developed through active employer engagement
- Responsive to labor market/talent development needs of region
- Link educational certificates to industry certifications
- Support diverse groups of learners
- Provide multiple entry and exit points
- Support earn-and-learn models through flexible scheduling
- Provide credentials with labor market value on the path to a degree
# Manufacturing Technology

## MECHATRONICS/AUTOMATION (STACKABLE)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical Maintenance Certificate</td>
<td>10</td>
</tr>
<tr>
<td>Industrial Electronics Maintenance Certificate</td>
<td>6</td>
</tr>
<tr>
<td>Mechatronics Certificate</td>
<td>8</td>
</tr>
<tr>
<td>Associate in Applied Science Degree Specialization: Mechatronics (60 credit-hour program)</td>
<td>20</td>
</tr>
</tbody>
</table>

## PRECISION MACHINING (STACKABLE)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Computer Numerical Control Operator I** Certificate</td>
<td>15</td>
</tr>
<tr>
<td>Computer Numerical Control Operator II** Certificate</td>
<td>11</td>
</tr>
<tr>
<td>Associate in Applied Science Degree Specialization: Precision Machining (60 credit-hour program)</td>
<td>18</td>
</tr>
</tbody>
</table>

## METAL FABRICATION (STACKABLE)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Welding Certificate</td>
<td>16</td>
</tr>
<tr>
<td>Welding Fabrication*** Certificate</td>
<td>13</td>
</tr>
<tr>
<td>Associate in Applied Science Degree Specialization: Metal Fabrication (60 credit-hour program)</td>
<td>15</td>
</tr>
</tbody>
</table>

## SUPPLY CHAIN MANAGEMENT/LOGISTICS (STACKABLE)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply Chain Certificate</td>
<td>18</td>
</tr>
<tr>
<td>Associate in Applied Science Degree Specialization: Supply Chain Management/Logistics (60 credit-hour program)</td>
<td>26</td>
</tr>
</tbody>
</table>

*Four of these courses prepare students to sit for industry recognized MSSC certification exams. [http://www.msscusa.org/](http://www.msscusa.org/)*

**Prepares students for NIMS Certifications [https://www.nims-skills.org/web/nims/home](https://www.nims-skills.org/web/nims/home)**

### Automotive Technology Career Pathway Map

**Previous Credit**

There are many opportunities, both in high school and through previous college, work, and/or military experience, to earn credit at Gateway.

For more information about earning credit in high school and opportunities for credit for prior learning, please see reverse side.

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**Certificate**

**Automotive Under Car Technician** (11 Credits)
- Lube Technician
- Alignment Technician

Median Income*:
- $10.50 per hour
- $21,840 annually

*Based on locally reported wage data.

Students who complete this program are prepared to earn industry-recognized certifications, including:
- NC3 Snap-on Wheel Alignment and Balancing
- NC3 Pro-Cut
- NC3 Starrett Precision Measuring

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**Technical Diploma**

**Automotive Maintenance Technician** (31 Credits)
- Service Technician
- Quick Service Technician

Median Income*:
- $14.00 per hour
- $29,120 annually

*Based on locally reported wage data.

Students who complete this program are prepared to earn industry-recognized certifications, including:
- NC3 Snap-on Multimeter
- NC3 FCA Level 0 Certified
- NC3 Snap-on Torque
- NC3 Snap-on Battery Starting and Charging

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**Associate Degree**

**Automotive Technology** (64 Credits)
- Diagnostic Specialist
- Master Technician

Median Income*:
- $26.00 per hour
- $54,080 annually

*Based on locally reported wage data. Hourly wage may vary greatly based on flat rate compensation and experience level.

Students who complete this program are prepared to earn industry-recognized certifications, including:
- NC3 Snap-on Diagnostics
- NC3 FCA Level 1 Certified

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**Career**

Students are prepared to enter their career field at any point along the pathway and advance as they complete higher-level credentials.

**Bachelor’s Degree**

Transfer up to 64 credits via existing articulation agreements with colleges such as:
- Bellevue University
- Franklin University
- Lakeland University
- Ottawa University
- UW-Oshkosh
- UW-Stout

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gtc.edu/automotive
Project Activities Supporting Community and Technical Colleges

- Stackable Credentials Tool Kit
- Professional development tutorials and webinars
- Information exchange on promising practices and resources
- Customized technical assistance to help colleges advance efforts in stackable credential design based on local needs
What is Technical Assistance?

Providing targeted support to address a need or problem

*Potential TA activities:*
- Provide one-on-one or team consultation
- Conduct needs assessments
- Assist with plan development
- Deliver professional development
- Identify and develop resources
- Share information and expertise
### Technical Assistance Delivery

- **April 2020 - July 2021**

- Customized TA for a cohort of up to 10 colleges

- Assessments, goal setting and action planning tailored to local/regional needs

- Advance efforts in embedding stackable credentials and industry certifications in associate degree programs

- Supported by experienced TA coaches from:
  - Center for Occupational Research and Development (CORD)
  - Social Policy Research Associates (SPR)
Benefits for Participating Colleges

- Technical Assistance Institute, May 28-29, 2020 to learn from leader colleges and national experts
- Monthly coaching from dedicated TA coach
- Targeted assistance from additional subject matter experts to support local needs
- Webinars and peer learning community to share resources and promising practices
- Curated collection of tool kits and tutorials to support professional development needs of cohort colleges
Key Areas of Focus

1. Employer Engagement
2. Industry-aligned Stackable Credentials/Career Pathways Program Design
3. Non-credit to Credit Integration
Expectations of Colleges

- Identify in-demand industry sector on which to focus initial work.
- Designate team of at least three individuals that will participate consistently in TA throughout the project.
- Participate as a team in Technical Assistance Institute, May 28-29, 2020, at Harper College (Suburban Chicago)
- Meet monthly with TA coach.
- Participate in site visit from TA coach or subject matter expert.
- Document lessons learned and be featured in project publications.
College Steps for Success

In partnership with TA coach:

- Complete a program and/or institutional needs assessment
- Develop an action plan
- Assign and support team members to execute the plan
- Collaborate to remove barriers to plan attainment
Example Plan Activities

- Creating a new sequence of certificates that stack to an associate degree
- Aligning program exit points with industry certifications
- Instituting new policies or practices that facilitate credit for prior learning and non-credit/credit integration
- Enhancing how local employers are engaged in technical programs, including program design, work-based learning partnerships, mentoring, and student recruitment
- Engaging employers to validate program competencies and identify credentials of value
Example Work of Previous TA Cohort

- Development of a statewide model curriculum that includes two embedded industry certifications as a result of faculty collaboration with a state industry association.
- Transformation of an advanced manufacturing advisory committee to a Business Industry Leadership Team that co-leads program activities and student recruitment.
- Adoption of a “one college” approach serving instructors and students across a sector to support non-credit/credit integration.
Eligible Institutions

- All applicants must be Perkins eligible institutions of higher education and fit the definition in Part 19 of Perkins V:

  “(19) ELIGIBLE ENTITY.”
  “(v) An institution of higher education whose most common degree awarded is an associate degree”
Application Next Steps

- TA cohort application available from PCRN: cte.ed.gov > National Initiatives > Credentials
- All required components contained within application
- Complete your application and submit by April 2, 2020
- Up to 10 cohort colleges will be selected
- Notification of cohort: April 10
- **Save the Date!**
  Pathways to Credentials TA Institute
  May 28-29, 2020
  Harper College (Suburban Chicago)
Learn More

To learn more about the project’s TA activities and application process, contact:

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