

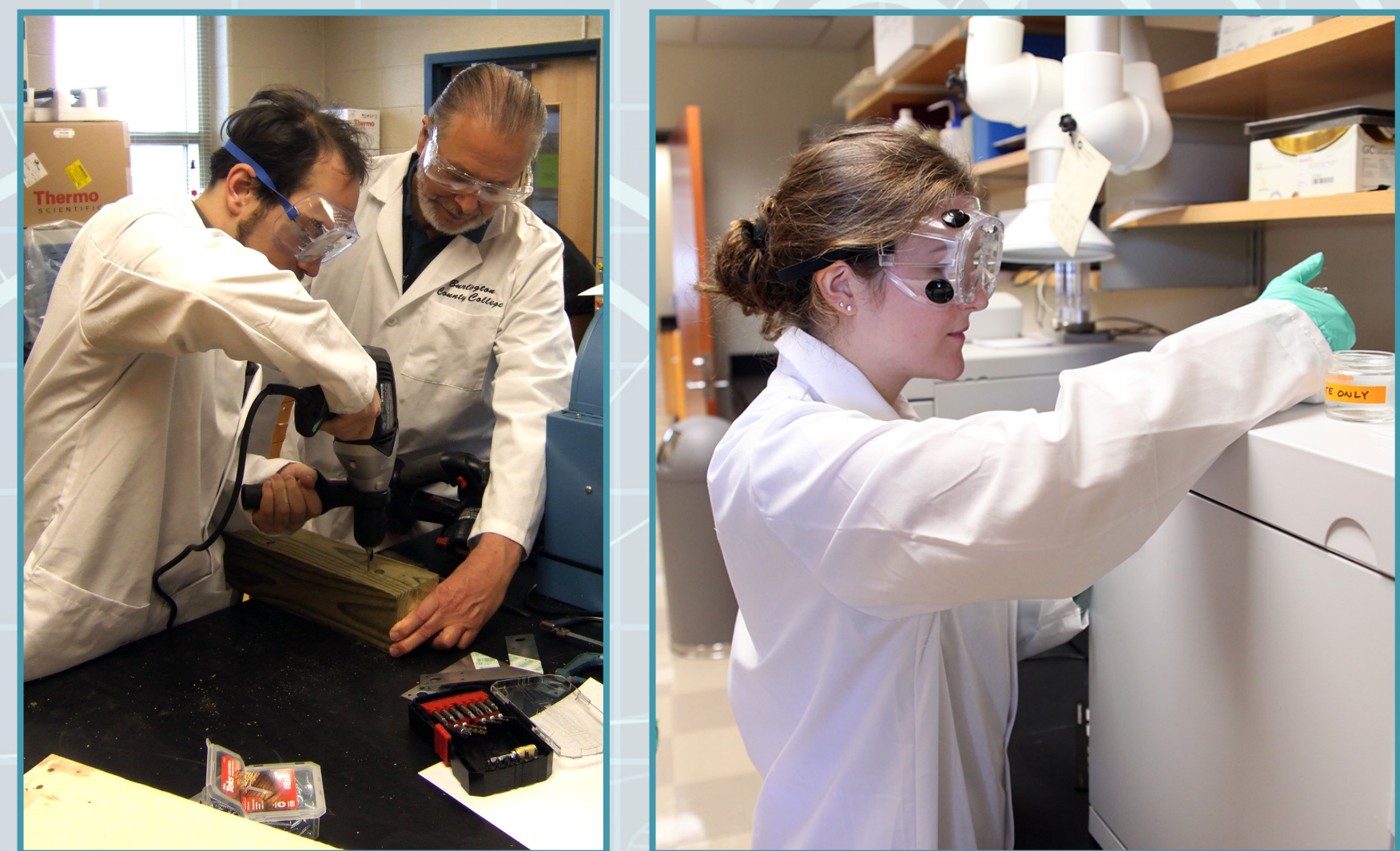
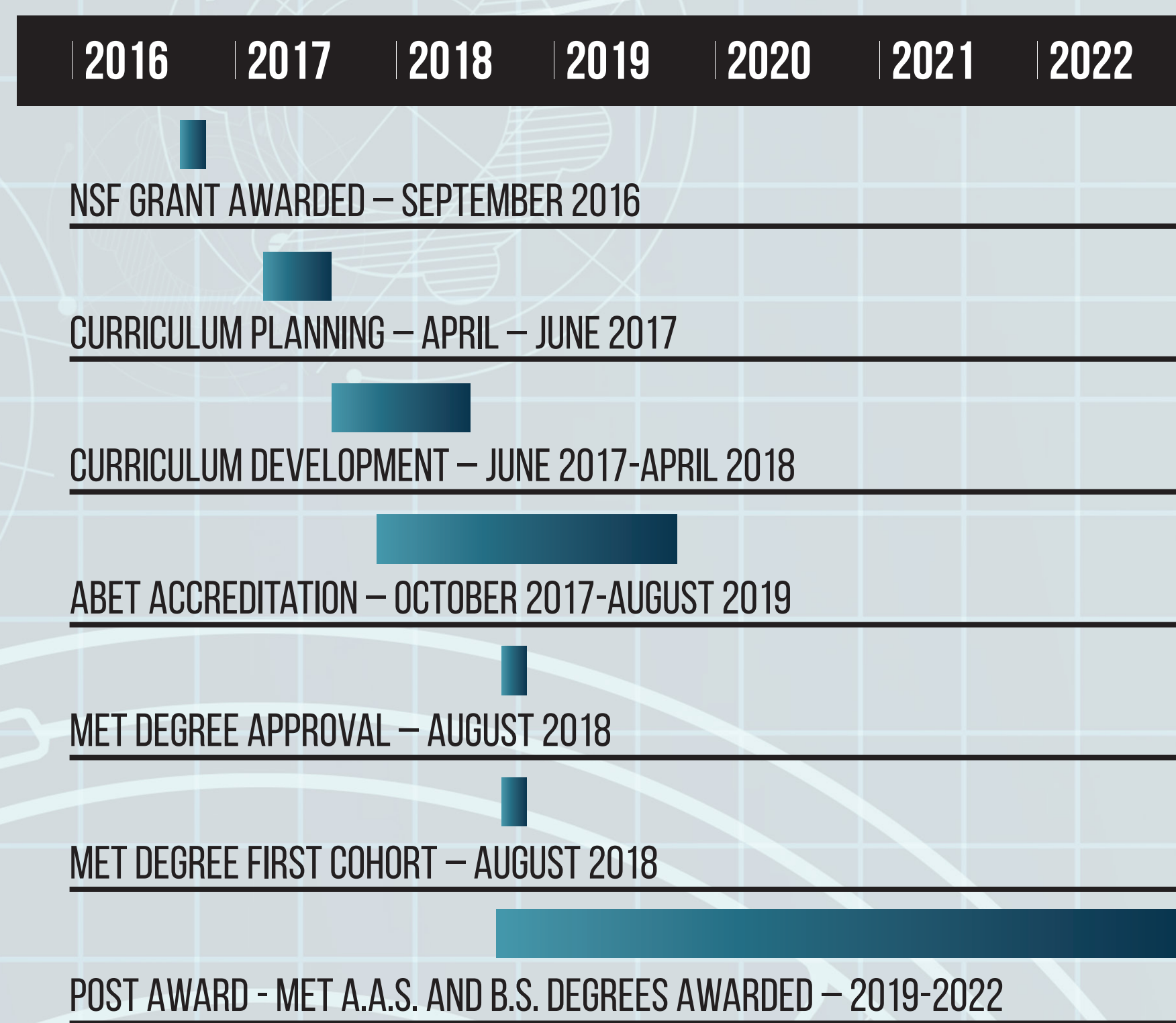
MECHANICAL ENGINEERING TECHNOLOGY ADVANCED MANUFACTURING DEGREE

Principal Investigator: Dr. David I. Spang, Senior Vice President and Provost, Rowan College at Burlington County
Co-principal Investigator: Dr. Edem G. Tetteh, Dean, Rowan College at Burlington County | Co-principal Investigator: Dr. Eric Constans, Associate Professor, Rowan University

ABSTRACT

The overarching goal of the current project is to align training and degree programs with the needs of high growth industries. Students will benefit from clearly articulated and cost-effective pathways toward achieving a baccalaureate degree. Required skills have been identified and emphasized through an advanced manufacturing industry collaboration forum and a curriculum development conference. These efforts will result in a seamless program of Associate's and Bachelor's degrees with Stackable Certificates.

TIMELINE

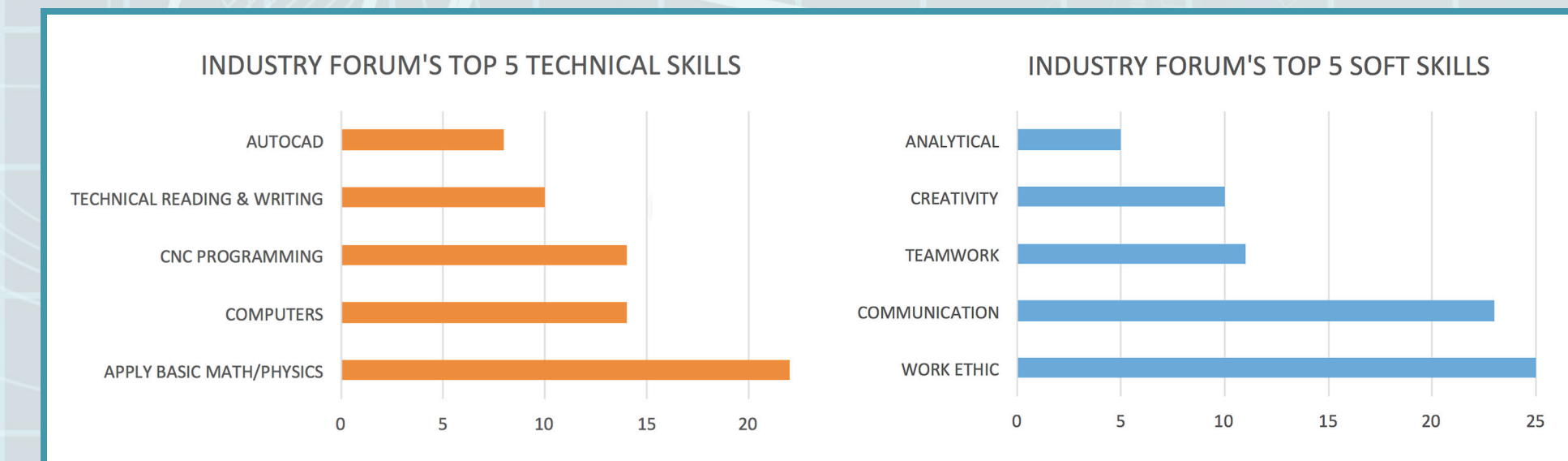
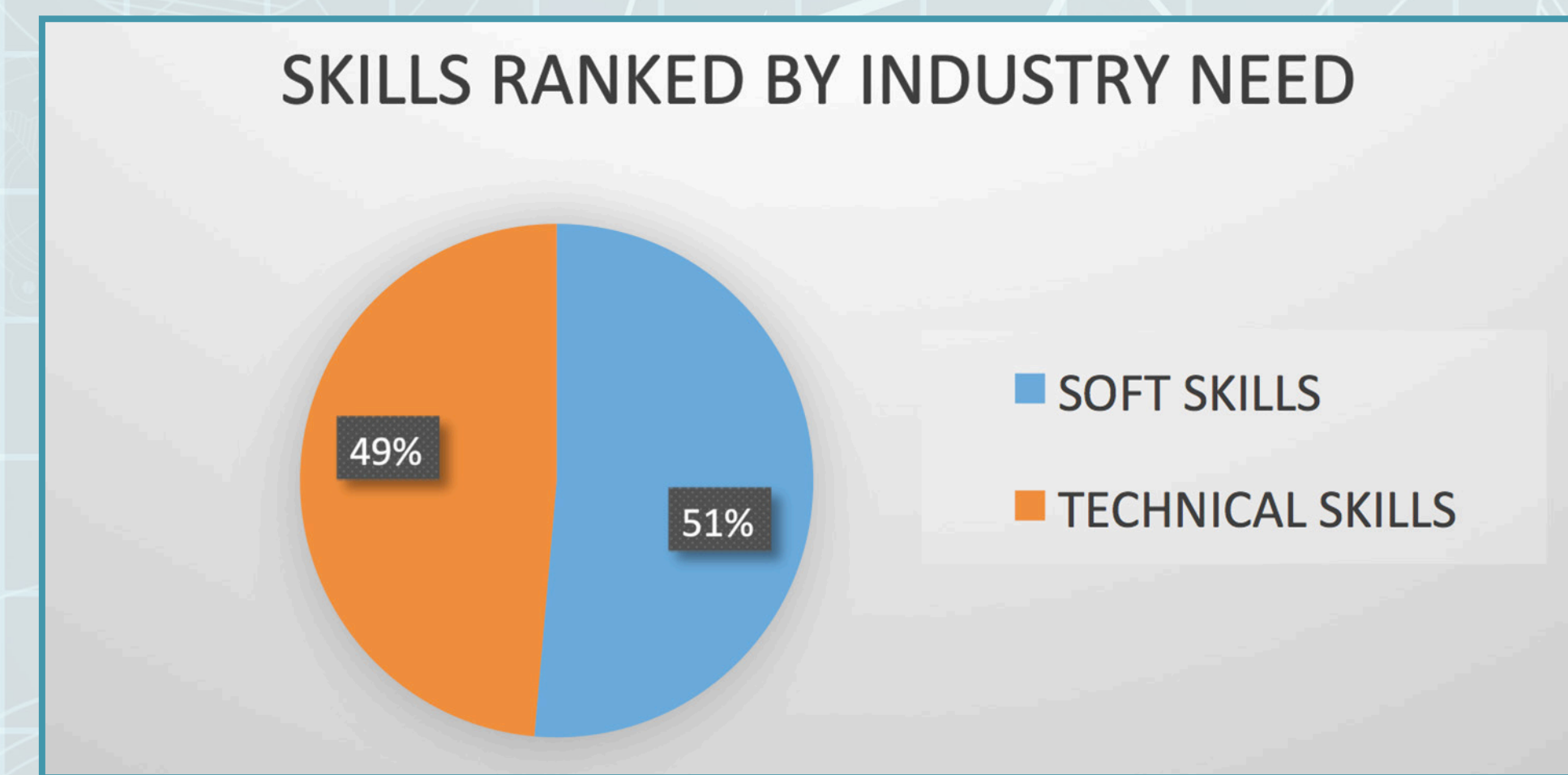
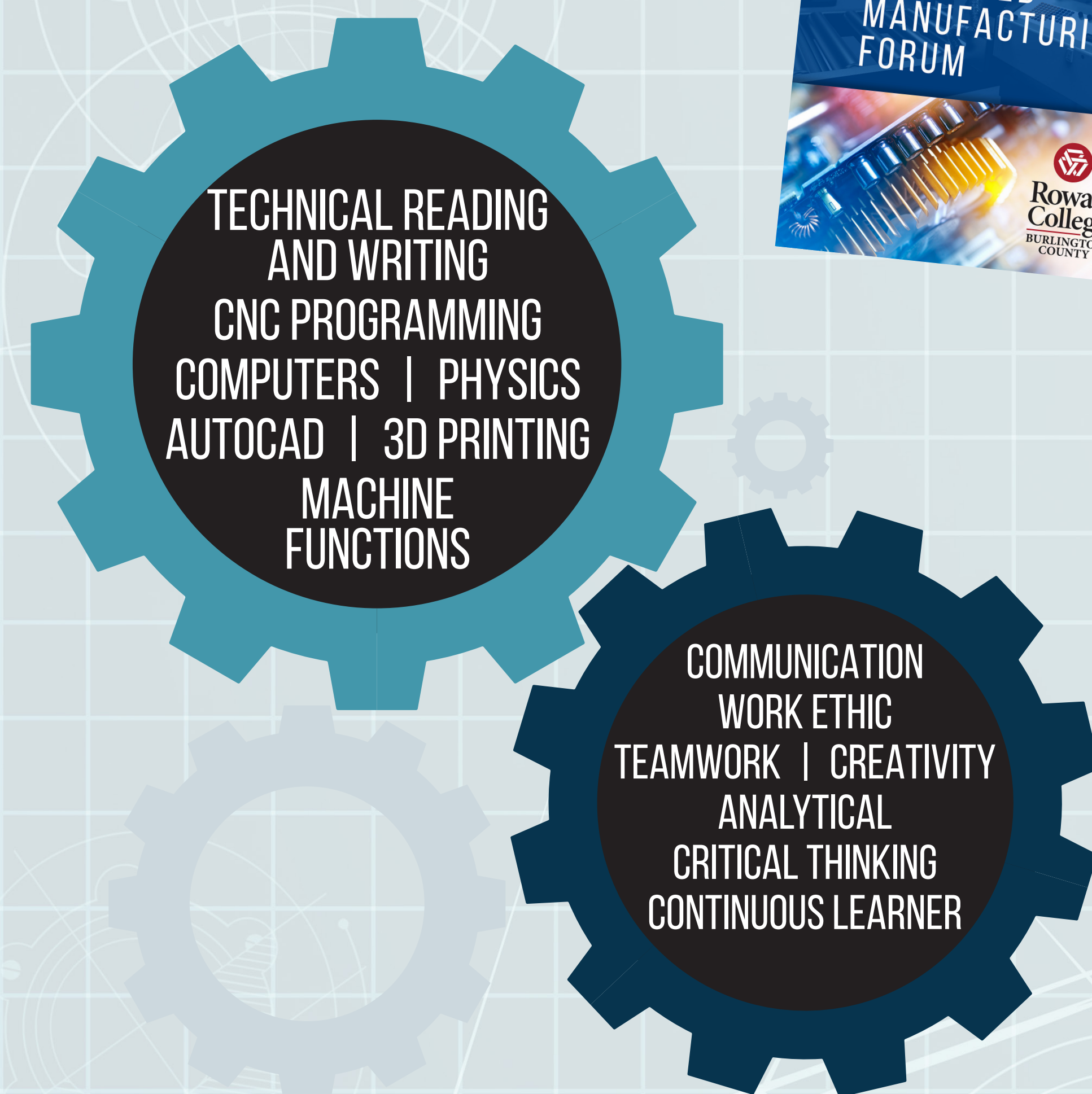


GOALS AND OBJECTIVES

- To strengthen an Engineering Technology Program serving the southern New Jersey region**
Highlight technical and non-technical skills aligning with industry needs.
Develop an applications library (real examples of STEM principles) as a faculty resource.
Strengthen career pathways with industry partners, other institutions of higher education, and secondary schools.
- To serve as a conduit for the creation of programs and pathways that address unmet training needs and the needs of emergent high growth industries**
Create a new academic program in Advanced Manufacturing (A.A.S. degree and stackable certificates).
Establish an Advanced Manufacturing training facility.

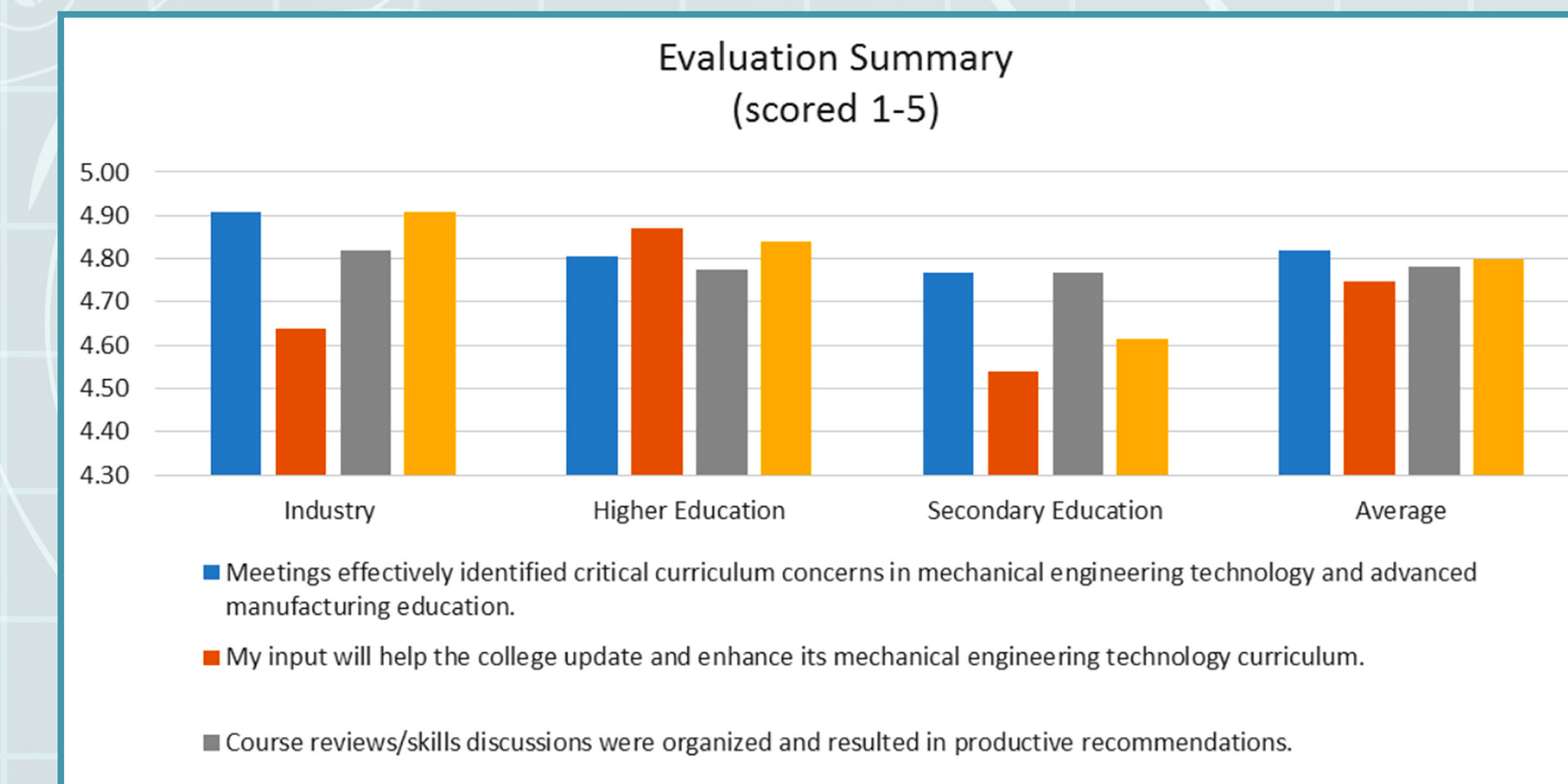
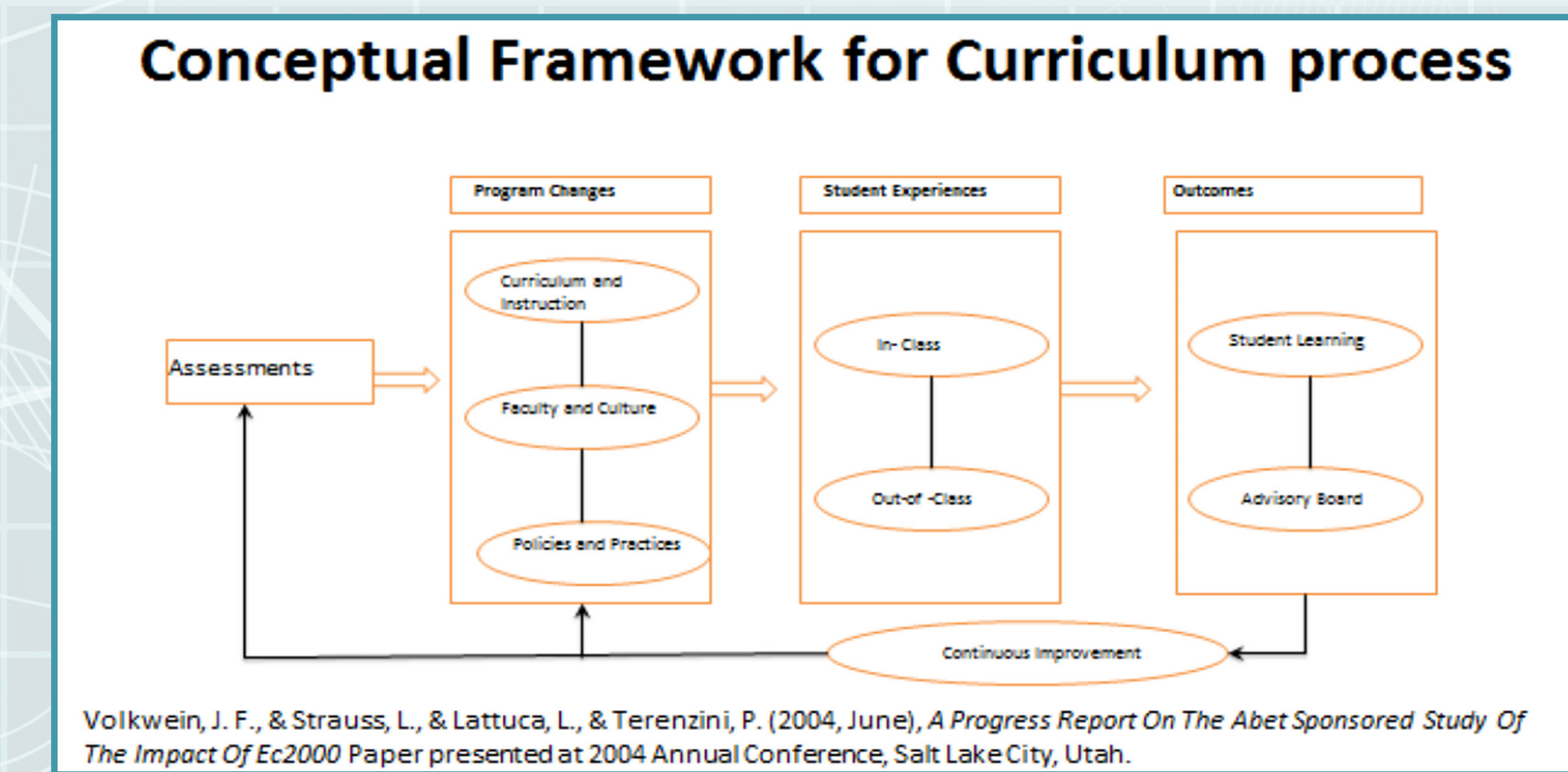
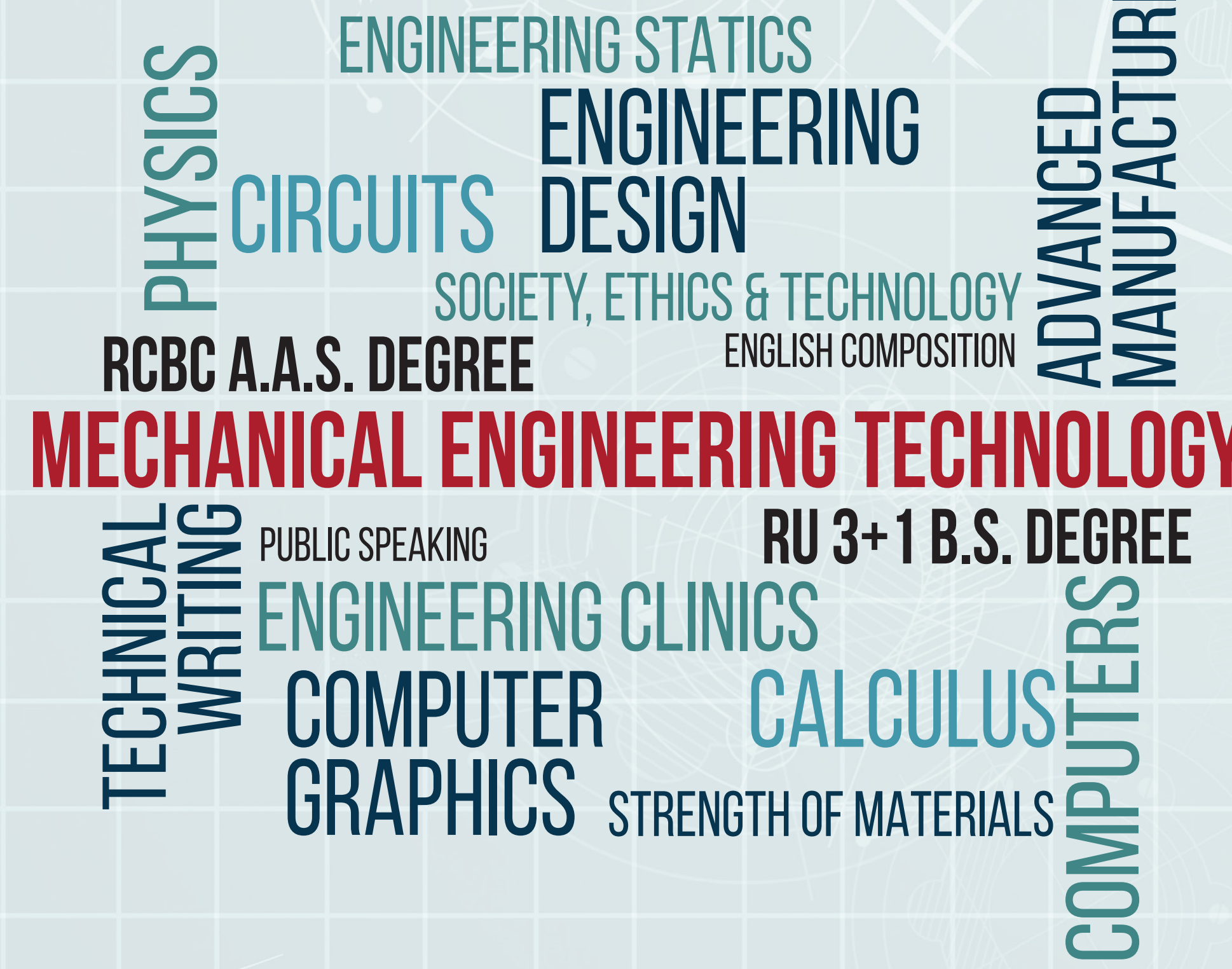
ADVANCED MANUFACTURING FORUM

The skills and competencies graduates need:



TECH CONFERENCE

Curriculum planning:



FUTURE DEVELOPMENTS

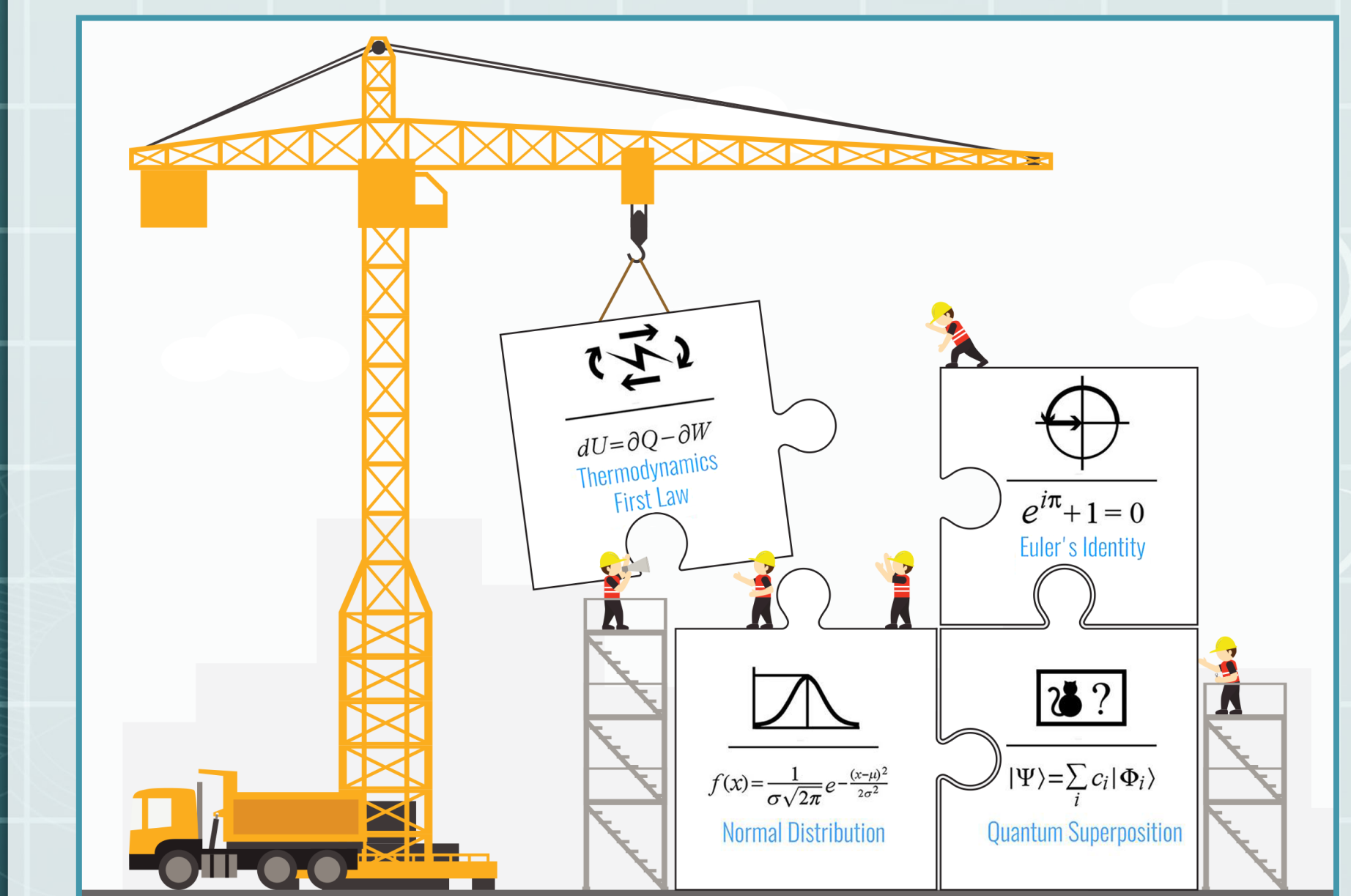
New MET curriculum



Industry Advisory Board with Workforce Development Institute



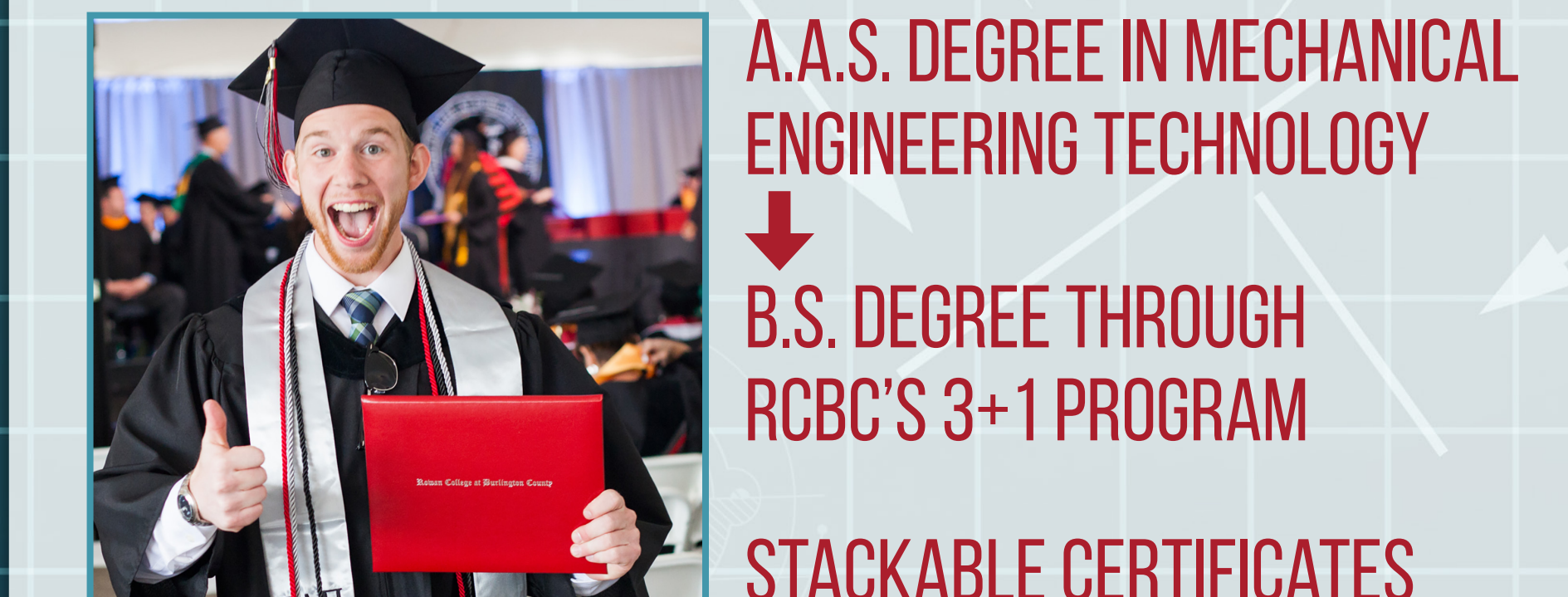
Online Applications Library



Advanced Manufacturing facility



Complete program pathways



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