The Center for Advanced Manufacturing (CAM) focuses on numerous aspects of the manufacturing enterprise, including product and process design, foundational sciences, engineering, management, and workforce development. CAM is interested in any area that may provide scholarly advanced and manufacturing gains, including the following industry areas:

- Food and Beverage
- Textile, Apparel, and Leather
- Wood Products and Paper
- Furniture and Related Products
- Petroleum and Chemicals

CAM also provides support for the various other faculty members and centers on campus that perform research related to manufacturing enterprise, including:

- Center for Laser-based Manufacturing
- Center for Laser Micro-Fabrication
- Center for Materials Processing and Tribology
- Center for Rural Development
- Computer Integrated Food Manufacturing Center
- Dauch Center for the Management of Manufacturing Enterprises
- Envision Center for Data Perceptualization
- Indiana Clean manufacturing Technology and Safe Materials Institute
- Institutes of Advanced Pharmaceutical Technology
- Laboratory for Extended Enterprises at Purdue
- Laboratory of Renewable Resources Engineering
- PRISM Center (Production, Robotics, & Integration Software for Manufacturing & Management)
- Product Lifecycle Manager Center of Excellence
- PRECISE Center (Purdue Research and Education Center for Information Systems in Engineering)
- Transportation Distribution and Logistics

CAM organizes the annual Advancing Manufacturing Summit, which allows manufacturers and Purdue faculty, staff, and students to listen to manufacturing leaders, discuss issues important to the manufacturing sector, and learn about manufacturing research efforts at Purdue.

Following Discovery Park’s model, CAM provides seed grants to faculty members to encourage interdisciplinary collaboration on projects with significant industry potential. The seed grants also help researchers generate the scientific results they need to successfully compete for large-scale external funding. CAM further leverages this funding by providing support to faculty members in generating and submitting research proposals, administrating research, and marketing and communicating research results.

CAM serves as an important resource for manufacturers across Indiana, around the country, and around the world. The center helps manufacturers update their manufacturing processes and management practices and then remain on the cutting edge of new technologies. The center’s success should attract additional manufacturing companies to Indiana, increase the number of jobs available in the field, bring emerging technologies to Indiana, and foster the creation of new technologies.