

Graduate Assessment Survey (GAS) Form

Manufacturing Engineering Program Graduate Demographic Information

Name of Graduate: _____

Year Graduated: _____

Home e-mail: _____ Home Telephone: _____

Home Street Address: _____

Highest M&T degree: ☐ GRADUATE CERTIFIC ☐ MASTERS ☐ PHD

Highest degree: ☐ BS ☐ MASTERS ☐ PHD ☐ MBA ☐ OTHER

Are you a Registered Professional Engineer? ☐ Yes ☐ No

Present or Most Recent Position or Advanced Degree Study

Employer/School: _____ Year Started: _____

Position Title: _____

Official Street Address: _____

Office Telephone: _____ Office e-mail: _____

Description of Duties/Degree Sought: _____

Number of years after graduation until you reached your first supervisory position:

☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 or more ☐ N/A

MISSION AND OBJECTIVES SURVEY

Please read the statements below and indicate your level of agreement by checking the appropriate field.

Program Mission:

The mission of the Manufacturing Engineering Program is to foster strong interdisciplinary graduate education and research in manufacturing, and equip students with advanced manufacturing engineering expertise to prepare them to be leaders in the identification and solution of problems that are complex and evolving.

Strongly agree ☐ Agree ☐ Neutral ☐ Disagree ☐ Strongly Disagree ☐

Program Educational Objectives:

To provide students with a solid foundation in the interdisciplinary areas of advanced manufacturing science and engineering:

- 1) Materials and Manufacturing Processes;
- 2) Process, Assembly and Product Engineering;
- 3) Manufacturing Competitiveness; and
- 4) Manufacturing Systems Design.

Strongly agree ☐ Agree ☐ Neutral ☐ Disagree ☐ Strongly Disagree ☐

To provide students with experiences in solving open-ended design and manufacturing problems through an industrial relevant project or a research thesis.

Strongly agree ☐ Agree ☐ Neutral ☐ Disagree ☐ Strongly Disagree ☐

To provide students with opportunities to develop team work, advanced communication and computer skills.

Strongly agree ☐ Agree ☐ Neutral ☐ Disagree ☐ Strongly Disagree ☐

To provide students the ability and desire to grow intellectually and personally and foster lifelong learning in light of increasing global and multicultural work environment.

Strongly agree ☐ Agree ☐ Neutral ☐ Disagree ☐ Strongly Disagree ☐

Other comments: _____

SKILLS AND ABILITIES SURVEY

Below is a list of skills and abilities. Please assess how important these skills/abilities have been to you in achieving success by checking a number between 1 and 5 with 1 being not important and 5 being very important. In the second column, please assess how effective our department was, in your opinion, in helping you to gain these skills/abilities. Check a number between 1 and 5, with 1 being not effective, and **5 being very effective**.

Level of Agreement:	1 2 3 4 5	1 2 3 4 5
	How important to you:	How effective were we:
Ability to apply knowledge of mathematics, science, and engineering.	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>
Ability to design and conduct experiments, as well as to analyze and interpret data.	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>
Ability to design a system, component, or process to meet desired needs.	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>
Ability to function on multi-disciplinary teams.	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>
Ability to identify, formulate, and solve engineering problems.	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>
Understanding of professional and ethical responsibility.	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>
Ability to communicate effectively.	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>
The broad education necessary to understand the impact of engineering solution in a global and societal context.	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>
Recognition of the need for, and an ability to engage in life-long learning.	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>
Knowledge of contemporary issues.	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>
Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>

JOB AND SALARY SURVEY

Name: (Optional) _____

Title: _____

Company: _____

City: _____ State: _____

Annual Salary: _____

Other benefits such as Average Bonus or Profit Sharing:

Graduation Year: _____ from S&T Manufacturing Engineering Program:

Degree / Certificate: ☐ GRADUATE CERTIFICATE

☐ MASTER OF ENGINEERING

☐ MASTER OF SCIENCE