



**ISTANBUL TECHNICAL UNIVERSITY MECHANICAL ENGINEERING FACULTY
MANUFACTURING ENGINEERING PROGRAM
NEW GRADUATE SURVEY**

Dear our new graduate,

Congratulations on your manufacturing engineering degree! The survey below was prepared to have your opinion on our Manufacturing Engineering Program. A few minutes you spare to fill this survey will give us very important clues to improve the educational conditions for the future students. We would like to thank you for your contribution in advance.

ITU Manufacturing Engineering Program Steering Committee

○ PERSONAL

How did you apply to Manufacturing Engineering Program?

- General university entrance exam held by ÖSYS Undergraduate transfer in ITU Double Major
 Undergraduate transfer student from another university General exam for college graduates held by ÖSYS

Have you attended preparatory classes at ITU? Yes No

If yes, what is your evaluation for preparatory classes of ITU? Perfect Good Satisfactory Unsatisfactory

How many semesters have you studied at ITU? 8 or less 9-10 11-12 > 12

What is your graduation GPA? 3,5 – 4 3,0 – 3,49 2,5 – 2,99 < 2,5

What is your gender? Male Female **What is your nationality?** T.C. Other.....

What is your plan after graduation?

- Work MSc Study MSc Study in Abroad Work + MSc Study Military service Other

Have you been granted any scholarships during undergraduate study? Yes No

If MSc study is in your future plan, on which area would you like to continue your study?

- Mechanical Engineering MBA Informatics Other.....

ALES Score: **GRE Score:**

Why did you apply to Manufacturing Engineering Program?

- I was interested in Manufacturing Engineering
 Because it covers subjects related to Mechanical Engineering
 Because it covers subjects related to Industrial Engineering
 Because it covers subjects related to Management Engineering
 Because it covers subjects related to Industrial Product Design
 Because of my score in OSYS
 No reason
 Other:

Evaluation: 1: Poor, 2: Unsatisfactory, 3: Satisfactory, 4: Good, 5: Perfect

Academic	1	2	3	4	5
General academic quality of education given by the program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quality of academicians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Library Facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Computer facilities and other resources of reaching information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diversity of lectures in the program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quality of student laboratories	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quality of administrative staff and services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General quality of classrooms and educational media	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Average quality of lectures given by the program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Social relationships among students	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Student-academician relationships	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quality of evaluation of students' academic success	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quality of lectures taught in English	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Student - program administration relationship	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Student - university administration relationship (Dean, Rector)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quality of academic advisory services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Evaluate yourself on the Manufacturing Engineering Program Outcomes;

Evaluation: 1: Poor, 2: Unsatisfactory, 3: Satisfactory, 4: Good, 5: Perfect

An ability to apply knowledge of mathematics, science and engineering on manufacturing engineering problems	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>
An ability to design and conduct experiments as well as to analyze and interpret data and use modern tools and equipment	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>
An ability to select develop and/or design a system, component or process to meet desired performance manufacturing capabilities and economic requirements	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>
An ability to function on and/or develop leadership in multi-disciplinary teams	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>
An ability to identify, formulate and solve manufacturing engineering problems	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>
An 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"/>
An ability for effective written and oral communication in Turkish and English	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>
An ability to understand and comment on the impact of manufacturing engineering solutions in a national and global context	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>
A 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"/>
A knowledge of contemporary issues in manufacturing engineering	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>
An ability to use the techniques, skills, and modern engineering tools, such as computer programs, necessary for engineering design and analysis and use modern information systems	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>
Other issues that you want to mention about manufacturing engineering program outcomes	

Evaluate yourself on the Manufacturing Engineering Program Objectives	1	2	3	4	5
Perform design and integration of materials transformations, manufacturing processes and systems,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Play leadership roles by improving collaboration between engineers, scientists and professionals,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Involve positively in the competitiveness of manufacturing enterprises,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aim to reach knowledge and professional growth for their successful careers in industry, research or academia,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Contribute to the society as professionally, ethically and globally aware members.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

• Evaluate the software programs on level of knowledge and	Level of Knowledge					How do you learn to use			
	5	4	3	2	1	4	3	2	1
Autocad									
Solid Works									
Catia									
Lingo									
Superform									
Dynaform									
EZ-CAM									
Abaqus									
Ansys									
Fluent									
Matlab									
Mathematica									
Mathcad									
Fortran									
C									
Other:.....									
Other:.....									

○ **OTHERS**

• **What is the ratio of teamwork homeworks/projects of undergraduate courses?**

- Less than %10 %10-20 %20-30 More than %30

• **Have you given any safety training in laboratories or in workshops?**

- Yes No

○ **GENERAL RESULTS**

How do you evaluate the quality of ITU's sources (Academic, Library, Social Activities)?

- Unsufficient Sufficient Good Perfect

How do you evaluate the quality of ITU Manufacturing Engineering Programs sources (Academic, Library, Social Activities)?

- Unsufficient Sufficient Good Perfect

Do you recommend others to study undergraduate programs in ITU? Yes No

Do you plan to pursue to your MSc study in ITU? Yes No

What do you like most about ITU Manufacturing Engineering Program?

What do you dislike most about ITU Manufacturing Engineering Program?

What is your opinion about the effect, on the education quality, of the Quality Assurance System being implemented ITU Manufacturing Engineering Program?

- Perfect, education quality has been improving
- Good, but the system should be improved
- There are some improvements, nevertheless we also had some adjustment issues, I can't decide
- The system is useless, nothing has changed
- The system has been destroyed the education quality
- I have no idea

List down your 5 university-choices before you take ÖSYS exam

- 1.
- 2.
- 3.
- 4.
- 5.

List down your 5 program-choices before you take ÖSYS exam

- 1.
- 2.
- 3.
- 4.
- 5.

List down your 5 university-choices after you take ÖSYS exam

- 1.
- 2.
- 3.
- 4.
- 5.

List down your 5 university-choices after you take ÖSYS exam
Makina Mühendisliği

- 1.
- 2.
- 3.
- 4.
- 5.

List down your 5 university-choices after you have graduated form ITU Manufacturing Engineering

- 1.
- 2.
- 3.
- 4.
- 5.

List down your 5 program-choices after you have graduated form ITU Manufacturing Engineering

- 1.
- 2.
- 3.
- 4.
- 5.

Universities:

1. ITU
2. Bogazici University
3. Bilkent University
4. Istanbul University
5. Koc University
6. ODTU
7. Sabanci University
8. Other

Programs:

1. Mechanical Engineering
2. Electrical and Electronics Engineering
3. Industrial Product Design
4. Manufacturing Engineering
5. Industrial Engineering
6. Civil Engineering
7. Management Engineering
8. Medical/Dentistry School
9. Other