

Faculty of Engineering

# Admission Selection Exam Announcement

## Mechanical Engineering (Production and Mechanical System Design)

<b>Program: Bridging Program for Bachelor of Science in Mechanical Engineering (Production and Mechanical System Design)</b>	
<b>Date</b>	Monday, July 13, 2026
<b>Time</b>	2:00 PM – 3:30 PM
<b>Exam Duration</b>	90 minutes
<b>Location</b>	Male Applicants: Building 29, KAU ( <a href="https://maps.app.goo.gl/v4Yuve7nMnjThwem9">https://maps.app.goo.gl/v4Yuve7nMnjThwem9</a> ), Female Applicants: Building G064, Room G4 & G17 ( <a href="https://maps.app.goo.gl/iSCXVxhFW2oGeEMM6?q_st=aw">https://maps.app.goo.gl/iSCXVxhFW2oGeEMM6?q_st=aw</a> )
<b>Exam Format</b>	In-person, closed-book, multiple-choice exam
<b>Number of Questions</b>	45 multiple-choice questions

### Important Instructions

- Applicants must bring a pen and pencil, eraser, sharpener, **a non-programmable scientific calculator**, and a valid National ID.
- Mobile phones, smart watches, textbooks, notes, and electronic sharing devices are not allowed during the exam.
- The exam is closed-book and must be taken in person.
- Applicants must arrive at the exam location at least 30 minutes before the scheduled start time.

### Exam References and Topics

The table below summarizes the recommended general references and the main topics covered in the exam. The exam is based on core technical knowledge normally covered in mechanical diploma programs.

Main Area	Topics Covered	Suggested References
<b>Basic of Workshop</b>	Safe Practices, Standard, measurement and gauging, Measuring Equipment, Sheet-Metal operation, Drilling, Turning, Milling, Grinding.	Workshop Processes, Practices and Materials, Bruce J. Black, Routledge.
<b>Manufacturing Technologies &amp; Materials</b>	Fundamentals of Materials, the structure of Metals, Mechanical Behavior, Testing, Manufacturing properties of Materials, Physical Properties, Heat Treatment, Ferrous, Nonferrous Metals and Alloys, Polymers, Ceramics, Composites, Fundamentals of Casting and Machining	Manufacturing Engineering and Technology, Serope Kalpakjian and Steven R. Schmid, Pearson