

Laboratory Technologist– Mechanical Engineering

The American University in Dubai invites qualified applicants to apply for the position of Laboratory Technologist – Mechanical Engineering.

The fundamental responsibility of this position is to provide technical assistance and support to mechanical engineering faculty and students, and to manage the Mechanical Engineering laboratories.

Principle Responsibilities:

- Operating conventional lathe, milling, and drilling machines in the Engineering machine shop;
- Knowledge in 3D printer operations and CNC machine technology;
- Competency in CAD software (especially SolidWorks and AutoCAD) and other mechanical engineering software;
- Ordering equipment and setting up new engineering labs;
- Maintaining, organizing, and replenishing lab supplies;
- Administering lab inventories and proposing improvements to the Mechanical Engineering labs;
- Supervising students and faculty in using the Engineering machine shop;
- Ensuring safety procedures and regulations in the Engineering machine shop;
- Troubleshooting equipment hardware and software problems;
- Coordinating equipment installation, repair, and warranties with vendors;
- Assisting the professors during the lab sessions;
- Maintaining a fully functional classroom and laboratory environment;
- Modifying and developing technical lab manuals, instruction manuals, reference guides and safety documents;
- Performing other related duties as assigned by the Supervisor or anyone acting in his or her capacity.

Competencies and Skills Used:

- Exposure or familiarity with the following fields:
- Statics and mechanics of materials
- Physics and thermodynamics
- Fluid mechanics
- Mechanical design
- Machine design and manufacturing
- Organization, and time management skills
- Competency with Microsoft Office (Word, Excel, PowerPoint)

Essential Qualifications:

- BTech or B.S. in Mechanical Engineering or Engineering Technology;
- At least two years of laboratory or field experience in the case of a Diploma or Associate degree;
- Familiarity with lab equipment and procedures;
- Ability to work with vendors and faculty members in acquiring and maintaining proper equipment;
- Excellent written and oral communication skills in English.

Desired Additional Qualifications:

- Experience in engineering labs at universities, research institutes or other organizations;
- M.S. degree and lab teaching experience;

Applications will be accepted and evaluated until this position is filled.

Interested applicants must submit the following requirements via email to recruitment@aud.edu.

Please state the title of the position as the subject of the email

- Cover letter
- Updated CV
- Copy of BTech or B.S. graduation transcript.
- Contact information of three (3) academic/professional references

No telephone calls please.

While we thank all applicants for their interest, only those under consideration will be contacted for a follow-up interview