

My Career in Mechanical Maintenance Engineering



With a *Certificate in Mechanical Engineering Maintenance 1 & 2*, graduates may have the possible *career options* of the following:

- Maintenance Engineer
- Repair Worker
- Engineering Maintenance Fitter

NB: Although the job titles may vary, some of the tasks executed are very similar from one title to another and hence combined.

Careers in Mechanical Engineering Maintenance

The job descriptions and job specifications for these careers are as follows:

Career Overview

Responsibility for the repair and upkeep of machinery and equipment in a plant or factory.

Typical Duties:

- Analyze of repetitive equipment failures.
- Estimate maintenance costs and evaluation of alternatives.
- Forecast of spare parts.
- Assess required maintenance tools and skills required for efficient maintenance of equipment.
- Assess skills required for maintenance personnel.
- Assess and report safety hazards associated with maintenance of equipment.
- Organize routine servicing schedules.
- Allocate work to a team of fitters.
- Check and calibrate instruments to make sure they are accurate.
- Fit new parts.
- Carry out quality inspections.
- Respond immediately to equipment breakdowns.

Typical Duties cont'd:

- Fix faults or arrange for replacements to be installed.
- Keep production managers informed of progress.
- Organize teams to make sure 24-hour cover is available.

Work Environment

You could be indoors in a factory or production plant, or outdoors servicing equipment on a building site. Protective safety clothing is a necessity for most jobs. Normally you would work a 40-hour week. Overtime and shift work may often be available and you may be called in for emergencies.

Qualifications and Licenses

You will need a good general level education which includes English, Maths, Science and IT along with the relevant Certificates in that field such as a Certificate in Mechanical Engineering Maintenance from the Samuel Jackman Prescod Polytechnic, certification through City and Guilds or C/NVQ certification.

Essential Qualities and Skills

- ❖ Troubleshooting
- ❖ Customer-service skills as well as dexterity
- ❖ Ability to use facilities management and industrial control software
- ❖ Ability to operate equipment such as copper cutting machines, pullers and power saws
- ❖ Practical skills and technical knowledge
- ❖ Awareness of health and safety
- ❖ Great communication skills
- ❖ Reliability and responsibility
- ❖ Willingness to work flexible hours
- ❖ A steady hand and an eye for detail

Essential Qualities and Skills Cont'd:

- ❖ Understanding of engineering drawings and principles
- ❖ Ability to work quickly and under pressure
- ❖ Ability to manage a varied workload
- ❖ Good eyesight and normal color vision

References

http://study.com/articles/Become_a_Maintenance_Engineer_Education_and_Career_Roadmap.html Retrieved February 2016

<https://nationalcareersservice.direct.gov.uk/advice/planning/jobprofiles/Pages/engineeringmaintenancefitter.aspx> Retrieved February 2016

<http://www.totaljobs.com/careers-advice/job-profile/science-engineering-jobs/maintenance-engineer-job-description> Retrieved February 2016