Mechanical Engineer

New College Graduate Technical Rotation Program
Program Start Date: July 2018

Applied Materials offers a 7-month classroom and hands-on training program that includes exposure to various technical areas, business units and unique ability to experience the culture of the company before full-time placement. Participants will join a network of peers and managers in an environment specifically created to enhance professional success.

Requires knowledge and experience in own discipline; still acquiring higher-level knowledge and skills. Builds knowledge of the company, processes and customers. Solves a range of straightforward problems. Analyzes possible solutions using standard procedures. Receives a moderate level of guidance and direction.

Key Responsibilities

1. Perform engineering analysis under general supervision
2. Design or modify mechanical engineering layouts/schematics and/or detailed drawings/specifications of moderate scope under general supervision
3. Perform and document engineering tests under general supervision
4. Generate related alpha/gamma documentation for product release under general supervision
5. Coordinate the procurement and assembly of mechanical components/equipment and identify sources of critical parts and subsystems to resolve moderately complex technical issues
6. Troubleshoot a variety of mechanical problems of moderate difficulty under general supervision
7. Implement concepts of moderate product issues and mechanical solutions of moderate difficulty
8. May be responsible for the design, development and implementation of custom mechanical tooling, fixturing, and associated processes to enable the handling, assembly and/or disassembly of parts, components, sub-assemblies and final assemblies throughout the product life cycle

Eligibility

- New College Graduate with hands-on technical internship experience (graduated from an accredited 4-year institution within one year of start date)
- Bachelor, Masters or Doctoral degree in Mechanical Engineering or related field
- Demonstrated leadership skills in professional or community associations
- Ability to travel internationally

Considerations

- Patents and publications
- Thesis and relevant coursework
- Advanced technical programs and memberships

Functional Knowledge

- Demonstrates expanded conceptual knowledge in own discipline and broadens capabilities

Business Expertise

- Understands key business drivers; uses this understanding to accomplish own work

Leadership

- No supervisory responsibilities but provides informal guidance to new team members

Problem Solving

- Solves problems in straightforward situations; analyzes possible solutions using technical experience and judgment and precedents

Impact

- Impacts quality of own work and the work of others on the team; works within guidelines and policies

Interpersonal Skills

- Explains complex information to others in straightforward situations