

Process 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. Design, collect data, analyze and compile reports on moderately difficult process engineering experiments, within safety guidelines
2. Perform hardware characterization on moderately difficult systems, within safety guidelines
3. Troubleshoot moderately complex problems, perform Root Cause Analysis and resolve moderately difficult process engineering issues
4. Measure film properties, organize data/reports for review and interpret data
5. Generate internal documentation for products, presentations and technical reports
6. Interact with customers to resolve moderately difficult process engineering issues/problems under general supervision
7. Identify, select and work with vendors and suppliers under general supervision
8. Implement new technology, products and analytical instrumentation

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 a discipline related to Applied Materials Business (Mechanical, Electrical, Chemistry, Physics, Chemical Engineering, Material Science, Aerospace/Aeronautics)
- 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