



Engineering & Computer Science Graduates As a technological leader in Aerospace . . .

Lockheed Missiles and Space Company in Sunnyvale, California (on the San Francisco Peninsula) has helped build many individual careers over the years by consistently providing outstanding professional and personal growth opportunities for our employees. Here are just a few of the reasons:

- We have the widest variety of interesting projects in the Santa Clara Valley
- We have one of the best in-house education programs anywhere
- Our job posting system provides our employees constant opportunities to upgrade or diversify their careers

Our primary lines of business are the Fleet Ballistic Missile Program (Polaris, Poseidon, and Trident) and advanced spacecraft systems. However, we are a diversified company and have developed an excellent reputation in the area of Ocean Systems (ocean thermal energy conversion, deep submergence vehicles, ocean mining, et al.), Remotely Piloted Vehicles and, especially, the Thermal Protection System which provides the thermal tiles to protect the Space Shuttle. Considering these lines of business, your career with us can involve you in the following areas:

EE Majors (and some Physics)

Circuit design (analog and digital), communications systems, guidance and control, command and control, antennas, many microprocessor applications, microwave systems and components, electro-optics, sensor systems, signal processing, image processing, systems test and integration, RF systems, telemetry systems, radar, electromagnetics, and reliability.

ME and AE Majors

Design and/or analysis involving mechanical design (ranging from small scale packaging to large scale missile-handling equipment), advanced composites, structural analysis, structural dynamics, vibro-acoustics, aerodynamics, hydrodynamics, mechanisms/separation analysis, mass properties, thermodynamics, heat transfer, and loads.

Computer/Computer Science and Math/CS

Scientific Applications

LMSC's Data Systems Engineering offers unparalleled opportunities to data systems graduates:

- ★ Major new development programs involving multiple VAXs, array processors, many PDP models from 11/70 to LSI 11/23, microprocessors, and high speed interconnects.
- ★ Numerous on-going programs
- ★ Outstanding professional environment giving exposure to a variety of software engineering techniques and tools such as:
 - Entry, update and publication of specifications using full screen editors and document formatting utilities (e.g., PWB).
 - Use of Program Design Language (PDL) to describe system design.
 - Automatic requirements tracing system.
 - Automatic Test result comparators for validation.
 - New 4341 and VAX computer center dedicated to supporting advanced design studies and proposals.

Careers are available in Software & Software Test, Signal Processing, System Software Development, Spacecraft Command Systems, Command, Control & Communications, and Software Design and Programming.

Business Applications

Lockheed is also completely redesigning its administrative computer applications for financial, manufacturing, engineering, procurement, and logistics into an integrated data base system using IMS/VS in a DB/DC environment on an IBM 3033. If you are interested in becoming a member of a highly skilled team involved in the topdown design and development of an administrative data base environment, Lockheed has a position for you. We are looking for computer science graduates with experience or an interest in IBM's IMS logical or physical data base design, data administration or DB/DC programming.

EDUCATIONAL OPPORTUNITIES

At Lockheed, you will find encouragement throughout your career to enhance your education. Our tuition reimbursement program may allow you to take graduate courses at several nearby universities —the "Early Bird" Program at the University of Santa Clara, and the Honors Cooperative Program at Stanford University are two possibilities.

You'll also enjoy our in-house educational opportunities. We offer more than 100 courses each quarter ranging from general interest, to technical, to management. Over 40 of these are graduate level audit courses via the TV network from Stanford. We also have our own Technical Training and Professional Development organizations who plan and develop special courses for short term and on-going training needs.

In addition, there are training programs in a number of organizations. The Missile Systems Division features the Graduate Engineers Program which consists of five weeks of classroom lectures and laboratory demonstrations followed by three six-week rotational assignments. The Information Processing organization features online computer based instruction, formal and informal lectures and workshops, plus training by vendors and other outside organizations. Other departments within the company have their own formal and informal programs.

As you can see, the atmosphere and the attitude at Lockheed encourage continuing learning experiences.

CAMPUS INTERVIEWS

If you are in the above majors, and are interested in the defense industry, please look for our visit to your campus this Spring. If we are not visiting your campus or if you are unable to sign up for an interview, please forward your resume and list of courses for immediate response to:

College Relations
Employment Department 324
Lockheed Missiles & Space Company, Inc.
P.O. Box 504
Sunnyvale, CA 94086

We are an equal opportunity affirmative action employer. PROOF OF U.S. CITIZENSHIP IS REQUIRED.

At Lockheed, technical excellence is our way of life.

 **Lockheed Missiles & Space Company**