Creating superior software for superior systems is the everyday charter of the Software Systems Laboratory of Raytheon's Equipment Division. From air traffic control, weapons direction, fire control, communications and missile guidance to tracking and data gathering, space surveillance, range instrumentation and laser applications, we have the applications and environment to make your ideas happen. All within one of the fastest growing and most exciting divisions of Fortune-100 Raytheon, a company internationally recognized for excellence in electronics.

Software Systems Engineers
Software engineers at Raytheon are key players in these front-end activities that translate system requirements into software performance specifications. We seek experience and/or interest in the following areas:
- Requirements Analysis
- Software/Hardware Trade-offs
- Modeling of Critical Performance Characteristics
- Interface Definition
- Data Processing Architecture Definition
- Software Test Specification
- Performance Specification Preparation

Radar Systems Software Engineers
Radar systems play a key role in Raytheon's product mix, and major software challenges exist in this area. We seek experience in the following areas:
- Radar Data Processing
- Object Classification and Discrimination
- Real-Time Control Systems
- Embedded Computer Systems
- System- and Unit-Level Diagnostics
- Meteorological Applications

Air Traffic Control Software Engineers
Raytheon is currently engaged in several Air Traffic Control program areas, domestic and foreign, including existing and planned enroute and terminal ATC Systems, for both domestic and international applications, aircraft/controller digital communications and dynamic simulation/training. We seek experienced candidates in the following areas:
- Radar Data Processing/Track File Management
- Flight Plan Processing
- Channel Management
- Intercomputer Communications
- Mosacking

Assignments in the Washington, DC area also available.

Computer Diagnostics Software Engineers
Raytheon has been engaged in the design and development of advanced militarized computers employing the latest in technology for fault tolerant techniques and high speed architectural concepts. Currently under development are several general purpose militarized super minicomputers employing sophisticated built-in test circuitry and high speed parallel pipelined architectures. We seek experience in the following areas:
- Micro and Macro Diagnostics for fault detection and isolation
- Automatic Test Systems
- Intelligent Control Panel System Development

Communications System Software Engineers
Raytheon is a leading company in the development of advanced satellite communications terminals employing sophisticated microprocessor technology for processing and system control. We seek experienced candidates in the following areas:
- Real-time Software Design (C, PASCAL, FORTRAN or Assembly Language)
- Cursive and Raster Graphics Techniques
- Data Communications and Nework Protocols
- Signal/Image Processing Technology
- Meteorological Applications

Graphics Software Engineers
Raytheon's Graphics Group develops real-time interactive display software that will comprise the next generation of "user-friendly" man/machine interfaces in radar, sonar, communications, air traffic control and image processing. We seek experienced candidates in the following areas:
- Operating Systems, especially VMS, UNIX and RSX-11
- Languages, including C, Pascal, FORTRAN, JOVIAL/J73, and Ada
- Development of Microprocessor Cross-Compilers, Assemblers, and Loaders
- Performance Measurement and Prediction
- User Education and Assistance
- Real-time Operating Systems Development
- Improvement of Software Development Techniques

System Programmers
To support our various applications, we are undertaking a major expansion of our System Software Department. We seek experienced applicants in the following areas:
- Operating Systems, especially VMS, UNIX and RSX-11
- Languages, including C, Pascal, FORTRAN, JOVIAL/J73, and Ada
- Development of Microprocessor Cross-Compilers, Assemblers, and Loaders
- Performance Measurement and Prediction
- User Education and Assistance
- Real-time Operating Systems Development
- Improvement of Software Development Techniques

The preceding positions require a degree in engineering or computer science, at least 3 years of directly related experience, a mind open to new ideas, and a willingness to work hard. If you meet these requirements, we will provide you with a stimulating and congenial environment, pay you a competitive salary, and give you as much a responsibility as you are ready to handle. We are located in the Boston suburbs, an area that many consider to be among the finest in the country in which to live and work.

For further information concerning the aforementioned positions, please direct your resume, including current salary, in strictest confidence to: Ann Loven, Dept. 10, Raytheon Equipment Development Laboratories, 528 Boston Post Road, Sudbury, MA 01776.

RAYTHEON COMPANY
EQUIPMENT DIVISION

An Equal Opportunity Employer