Bell Laboratories
The Research and Development Unit of The Bell System has extensive development, design and systems engineering career opportunities in telecommunications for MS and PhD Engineers and Scientists.

**ELECTRICAL ENGINEERS**
Opportunities in
- Software & Hardware
- Circuits & Networks
- Systems Engineering
- Device Development
- Stored Program Control
- Data Communications
- Transmission Systems
- Electronic Switching Systems
- Microprocessors

**COMPUTER SCIENTISTS**
Opportunities in
- Hardware Design
- Software Design
- Data Base Design
- Minicomputers
- Microprocessors
- Electronic Switching Systems
- Computer Languages
- Computer-Aided Design
- Stored Program Control

**MECHANICAL ENGINEERS**
Opportunities in
- Physical Design
- Instrumentation
- Measurement
- Analysis
- Miniaturization
- Materials
- Feasibility Studies
- Prototype Design
- Human Factors Engineering

Additional opportunities exist for other technical fields such as industrial engineering, operations research, physics and human factors.

Work in Development and Design is concerned with transforming new knowledge into devices, equipment and systems. It ranges from exploratory development to the preparation of final specifications for manufacture. The work may focus on large-scale integration systems technology, microprocessors, solid-state memory devices, lasers, light-emitting diodes, micrographics and electronic power systems — all of which are the building blocks of modern telecommunication systems.

Work in Development and Design also focuses on large systems themselves and the design of new electronic switching and transmission systems to handle increasing network use, and on the design of customer equipment for data communications, business communications and residence services. In addition, our engineers develop large-scale information systems and design extremely sophisticated stored programs for new families of electronic switching systems.

Work in Systems Engineering is concerned with devising techniques to ensure that the telecommunications network continues to provide effective and economical telecommunications services. Systems engineers analyze many possible new systems and service, study their compatibility with the network, look at costs, and consider the impact on the user. Engineers plan for network growth, for the introduction of new technology and new improved operations and maintenance procedures.

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If interested, please write, stating geographic preference, and including resume and transcripts to: Director of Technical Employment, Bell Laboratories, Dept. 831-COM, 600 Mountain Avenue, Murray Hill, N.J. 07974