

# Never before have PROFESSIONAL OPPORTUNITIES at AT&T Long Lines been so meaningful ...or so rewarding.

A leading business periodical called AT&T's reorganization the biggest in corporate history. And it's true. Today, the Bell System is an aggressive marketing organization, and you can be a part of it. Join our Headquarters Team at AT&T Long Lines where we manage the interstate services provided over the Bell System's long distance network.

As a member of the Long Lines management team, you'll work in a highly visible environment, with an impressive assemblage of respected marketing, engineering and computer professionals and their counterparts at Bell Laboratories, Western Electric, and other associated Bell System companies. Your projects will be supported by the resources of the Bell System, a pacesetter in U.S. and world communications.

If you're ready for a stimulating and rewarding career move, you owe it to yourself to investigate our current openings.

And, of course, we provide an excellent salary and comprehensive benefits program.

## SYSTEMS DESIGNERS

Involves analysis, development of design specifications and computer algorithms, data base architecture, implementation and analysis of results (including cost-benefit) for many areas of our business. You will carry overall project management responsibility during the system's life cycle. Appropriate background includes an advanced degree in Computer Science, Statistics, Operations Research, Industrial Engineering, and/or applicable experience with systems analysis/design, and excellent written and oral communication skills.

Current projects include work in the following areas:

- Network data collection
- Data base management systems
- Customer service support
- Simulation and financial algorithms
- Expenditure analysis planning
- Demand forecasting systems
- Mathematical network modeling and simulation
- Configuration and traffic engineering of specialized voice/data networks
- Inventory management and control.
- Mini/microcomputer based systems
- Network Control

## STATISTICIANS/ OR ANALYSTS

If you have the necessary technical background, along with excellent oral and written communication skills you can serve as an internal technical consultant to various departments. You will meet with clients to structure problems, recommend analytical approaches, supervise data collection, perform data analyses or model development, oversee implementation, and document results. Generally complex problems require the ability to use innovative methods. Preferred background includes Master's in Statistics, Operations Research, or a closely related discipline, and/or experience with applied statistics, multivariate and regression analysis and statistical computer packages.

## MARKET RESEARCH PROJECT LEADERS

Exceptional opportunities to capitalize on your PhD or Master's Degree and/or experience with data analysis. You will be responsible for project control of market research surveys, from problem definition and questionnaire construction through presentation of results and recommended strategies. Well developed written and oral communication skills are essential.

## PROGRAMMERS/ DESIGNERS

There are many areas in which to apply academic background in data processing and/or your 2+ years of experience.

**Systems Programmers** establish standards for Long Lines and develop systems programs, performing software analysis, design, implementation, testing, maintenance and troubleshooting.

**Applications Programmers** engage in software design, implementation, and maintenance using structured design techniques.

Areas of special interest include:

- IMS/VS
  - Minicomputer software. Prefer DEC (or other) systems. UNIX\* operating system and/or C language
  - MVS Operating System
  - Data Communications
  - Data base management
  - On-line data entry
  - COBOL, PL/I, FORTRAN, ASSEMBLY
  - TSO, TCAM, VTAM
  - Data dictionary software
  - Programming aids
  - Statistical packages
  - Disk and tape management aids
  - Report generators
- \*Trademark of Bell Laboratories

## Entry Level Opportunities

Intensive training program prepares you for positions in above areas. To qualify you must have Bachelor's in Computer Science or Math degree with at least 6 credit hours in Computer Courses (or equivalent). Candidates expecting to graduate later this year will be considered for deferred entry.

## HUMAN FACTORS ENGINEERING

You will be responsible for human factors engineering of computer-based information systems: analyzing, designing, and implementing materials associated with the interface between computer and user. You will interact with designers and users in specification, design and testing. Background should include advanced degree in human factors, or industrial engineering, and/or equivalent experience. Academic training or background in computer systems is also desirable.

## PRODUCT MANAGEMENT

You will be responsible for the profitability of a product from the beginning to the end of its life cycle. Requires proven leadership capability to direct a Product Team of experienced engineers, designers and implementers. You will supervise the development of Product Delivery Packages, and work directly with our sales force and their customers. Preferred background is an MBA (or equivalent) with 2-4 years Product Management experience.

## ECONOMETRICIANS

Requires orientation toward innovative research using computer modeling, simulation, and decision analysis techniques. You will apply econometric analysis and modeling techniques to solve business problems such as forecasting telecommunications needs and pricing services and products for rate-making purposes. This involves use of state-of-the-art econometric principles and micro-demand modeling. Your graduate-level training in econometrics and micro-demand theory (or applicable experience) should be supported by a strong background in analysis and modeling as well as applied statistics, and excellent written and oral communication skills.

## CORPORATE TRAINING

You will develop, maintain, evaluate and conduct various training courses to increase the efficiency of personnel. Areas requiring course development and/or instructional delivery may include:

- Marketing/Sales
- Data Services/Programming
- Human Resources/General Management
- Accounting

Your educational background should include a Master's degree (or equivalent) in one of the above areas, and 2 or more years experience in Corporate training.

Send your resume (with salary history), identifying position(s) of interest to: Professional Employment Director, AT&T Long Lines, Dept. NYT-9, Room 5A110, Bedminster, N.J. 07921. All replies will receive prompt confidential consideration and response.



# AT&T Long Lines

An Equal Opportunity Employer