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New computer opportunities open to Meredith students

New programs and equipment are bringing more opportunities to Meredith students. In the Fall of 1983, Meredith College began a new interdisciplinary major in mathematics-computer science. The program will broaden intellectual development and career preparation by developing the students' quantitative and problem solving skills. And opportunities abound. A number of internships at the Research Triangle are available, and access to the North Carolina State University computer science curriculum will provide further experience.

New equipment on campus provides students with the "hands-on" experience necessary for development of computer skills. In August of 1983, the Data General Corporation donated an Eclipse Line computer which will eventually support twenty terminals for academic use, along with twenty microcomputers in various campus locations.

Following is a list of the computer science curriculum and requirements for a major:

COMPUTER SCIENCE CURRICULUM

CSC 100 INTRODUCTION TO COMPUTING

A study of the capabilities and limitations of the computer including its impact on society. A simple theoretical computer gives the student insight into computer design. Flow charting

is used to study the design of algorithms. Several simple computer programs are written from the flow charts and run on the computer. CREDIT, TWO HOURS.

CSC 101 INTRODUCTION TO A LANGUAGE

A study of a specific computer language. Prerequisite: CSC 100. CREDIT, ONE HOUR.

CSC 201 COMPUTER PROGRAMMING

An introductory course in problem solving on the computer. The student will learn program design and program implementation in a structured programming language. Prerequisite: MAT 211. CREDIT, THREE HOURS.

CSC 211 COBOL PROGRAMMING

Introduction to programming in the Cobol language. Prerequisite: Three hours of computer science. CREDIT, THREE HOURS.

CSC 212 ADVANCED PROGRAMMING

An intermediate level programming course with goals of continuing development of discipline in program design and in debugging and testing larger programs. Prerequisite: Either CSC 201 or 211, depending on the language used. CREDIT, THREE HOURS.

CSC 222 INTRODUCTION TO COMPUTER SYSTEMS

Provides the basic concepts of computer systems, introduces computer architecture and teaches an assembly language. Prerequisite: CSC 201. CREDIT, THREE HOURS.

CSC 301 INTRODUCTION TO DATA STRUCTURES

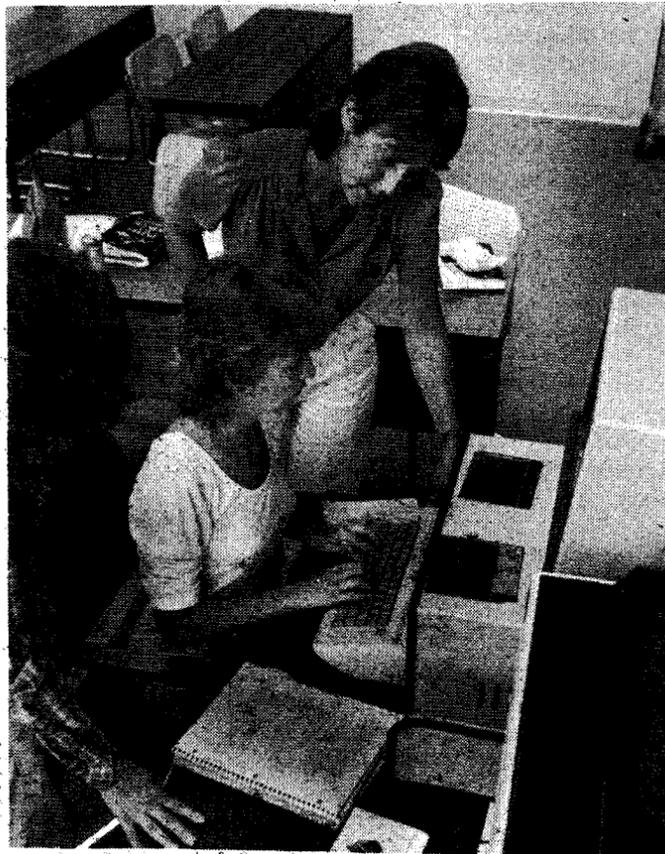
Discusses a number of the fundamental data structures such as linear lists, stacks, linked lists, and trees as well as common algorithms used in acting on these data structures. Prerequisite: CSC 222. CREDIT, THREE HOURS.

CSC 321 TOPICS IN COMPUTING SCIENCE

A junior-senior level topic in computer science. Prerequisite: CSC 222. CREDIT, THREE HOURS.

REQUIREMENTS FOR MATHEMATICS COMPUTER SCIENCE MAJOR

1. Core Curriculum (all majors in mathematical sciences).
 - a. MAT 211, 212, 220, 250, 313
 - b. At least one course chosen from MAT 321, 415, 425 or 434.
2. MAT 360
3. At least 26 hours in mathematics courses numbered 200 or above.
4. At least 15 hours in computer science courses numbered 200 or above including CSC 201, 221, 301, and 321.
5. A total of 44 hours in mathematics and computer science courses numbered 200 or above.



Students take advantage of the computers set up in Harris Hall.

Jobs for college grads listed in new publication

The annual Changing Times survey of jobs for new graduates found some bright spots for job seekers amid what is generally characterized as a flat recruiting year. The survey, which is unique in that it seeks responses *only* from employers intending to hire graduates this spring, uncovered more than 100 companies and government agencies with definite job openings.

The employers with firm plans to hire graduating seniors this year are listed in a special supplement, "101 Companies with Jobs for New College Grads," in the February 1984 issue scheduled to be on newsstands January 31. Changing Times is published by Kiplinger Washington Editors, Inc.

While many firms said their campus recruiting has been curtailed as a continuing result of the recession, many others offered encouragement, especially to students with specialized skills. About 40 percent of the companies surveyed reported that they are having difficulty finding qualified candidates for certain kinds of jobs. Those job openings are mostly in technical fields, such as engineering, physics, dairy science and manufacturing. But some organization report shortages of applicants for such diverse jobs as economists, linguists, restaurant managers, intelligence officers, physicians and nurses. *A listing of these companies is part of the issue.*

Overall, about 40 percent of the companies responding said they plan to hire the same number of grads as they did last year, and 30 percent say they plan to hire more this year. Only

18 percent report they will hire fewer.

The special section provides a brief description of each organization's principal products and services, along with an address where applicants should send their resumes. In addition, each listing specifies the type of academic background wanted, and the actual job categories to be filled. Many employers have listed candidates in short supply so that individuals with those skills will have an added incentive to apply.

Besides the list, this year's job section provides an overview of the current job market, and includes specific suggestions about writing a successful job seeking letter, preparing for an interview and adjusting to the demands of a first job.

The graduates most in demand are those with engineering degrees; 65 percent of the companies in the listing report they need graduates in various engineering specialties, from electrical to aerospace and power specialties.

Behind engineers on the demand index are computer science graduates, wanted by 51 percent of the listed companies; accounting grads, sought by 48 percent, and business-marketing-economics grads, wanted by 43 percent of the companies.

Further down the scale are graduates in mathematics (wanted by 22 percent of listed companies), physical sciences (21 percent) and liberal arts (17 percent). And 27 percent of the companies reported a need for graduates with specialties in

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Bell calls computer use 'fad'

WASHINGTON, D.C. (CPS) - Many of the computer programs used in the nation's schools amount to nothing more than expensive, "electronic page-turning" devices, according to U.S. Education Department Secretary Terrel Bell.

In an informal office meeting with wire service

reporters, Bell also revealed plans to finance research to find more constructive ways of using computers to help students learn math and writing skills.

The current use of computers in schools and colleges is "almost a fad," Bell says, and the available education pro-

grams "leave a great deal to be desired" in terms of "interacting with the mind of the student."

The Education Dept. plans to target research funding to develop programs for pre-algebra and algebra courses, in which many average students "bomb out ... never to come back again."

Steve's offers delicious fare

By Anne White.

If you've ever tasted homemade hand-cranked ice cream, you know that any other kind just doesn't measure up. But there's a new place in Raleigh that serves a mighty close second. It's Steve's, located at 2010 Hillsborough Street, and judging from the long lines at the counter, it may soon make hand-cranking obsolete.

Steve's actually makes fresh ice cream daily, right there on the premises, in 20-quart, motorized versions of the old-fashioned hand-cranked mixers. Of the 50 flavors Steve's

makes, there are 12 available on any one day. New flavors are often created, such as Strawberry Shortcake and Banana Cream Pie.

Steve's trademark is Mix-ins--that is, ingredients ranging from Reese's Pieces and crushed oreos to coconut and granola - which are expertly mixed into any flavor a customer chooses, creating customized ice cream. The Mix-ins are displayed at the counter, much like a salad bar (well, with maybe a few extra calories), and the customer can choose scoops or sundaes of any combination up to three ingredients. Of course,

the less adventurous can always order a straight scoop. Steve's also offers floats, sodas, milkshakes, and ice cream pies.

Steve's is a casual, low-key place geared to college students. There's an upright piano at one wall, which customers are invited to play. There's a blackboard with a daily trivia question; answer it correctly and you win a free Mix-in. And there are framed awards on the walls from *Boston Magazine* in recognition of "the best ice cream in town."

Is Steve's the best ice
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