UCLA Office of Academic Computing

Address:
Office of Academic Computing
5628 Math Sciences Addition
University of California
405 Hilgard Avenue
Los Angeles, CA 90024-1557

E-mail:
Internet: calloac@oac.ucla.edu
BITNET: calloac@uclamvs

Phone:
(213) 825-7452 Consulting
(213) 825-7548 User Relations

Description

The Office of Academic Computing (OAC) provides mainframe and supercomputer services through its computing services group, microcomputer support services through its Microcomputer Support Office, and campus backbone network services through its Campus Network Services. OAC operates an IBM 3090-600S supercomputer with six vector facilities, running under MVS/ESA and VM/XA-SP, to provide computing services in support of UCLA's instructional and research activities.

OAC provides access to a wide variety of software facilities, including mathematical and engineering applications (ESSL, IMSL, ACRITH, EISPACK FUNPACK, LINDO, MPS360, and SPEAKEASY), computational chemistry (Gaussian 88, GAMESS, HONDO 7, MOPAC, and BATCHMIN), fluid dynamics analysis (AMES PNS, FLUENT/BFC, NS57, ROTOR2, TAIR and VSAERO), seismic analysis (MODMIG, PREMIG, and STARPAK), and structural analysis (ADINA, ASTROS, CSA/NASTRAN, NIKE2D, MAZE, and SAMCEF).

For development of numerically intensive applications, the VS FORTRAN and Parallel FORTRAN (PF) compilers provide vectorization and parallel programming, respectively. Other compilers provided by OAC include C, PASCAL, PL/I, COBOL, APL, ALGOL, IBM Assembler, and Waterloo BASIC.

Other areas of interest include graphics software (Interactive Chart Utility, SAS/GRAPH, GDDM, DISSPLA, SPEAKEZ Graphics, GKS), and text processing (SCRIPT/VS). Popular software products such as TSO and ISPF/PDF, and statistical packages (SAS, SPSSx, and BMDP) are also available, as are electronic mail and access to ORION (the UCLA Library's online information system).

Network Access

OAC's facilities are available via:

- Internet
- BITNET for file transfer and electronic mail
- Direct dial modems at 300, 1200, and 2400 baud
- Hardwired workstations in OAC's public access facilities and in UCLA campus departments

Who Can Use OAC?

Computing services are provided to the UCLA community, other educational institutions, and state and federally funded projects. Accounts are available to other outside users on a case-by-case basis. Open-access computing accounts are available free to UCLA students and faculty to access ORION and electronic mail. For further information, call the OAC User Relations Office, (213) 825-7548.