

## TECHNOLOGY SUPPORT PERSONNEL

The following operations will have a small district staff with larger facilities and support staffs on each of the three campuses.

**Instructional computing** is a new function. It requires laboratories, lab-classrooms, Smart Classrooms; equipment rooms for servers, patch panels, concentrators, and other networking equipment; technician work and repair areas and telecommunications and electrical wiring and closets; faculty training areas; production areas for multimedia, academic web pages, and classes taught on the Internet; and administrative offices, faculty offices, and conference rooms.

There will be a large general-purpose laboratory on each campus complemented by lab classrooms and specialized laboratories as needed. Moreno Valley and Norco recently installed such labs as part of their secondary effects funding. On the City Campus, the first floor of the Business building serves this function on an interim basis. Available space is limited and will remain so until the new Library – Learning Resources Center (LLRC) is constructed in 2001. At that time, the LLRC will have a computer commons, open labs, and learning resources labs. Instructor assisted labs will be housed on the third floor of the present library building supported by the Office of Learning Technologies. Teaching (computer) labs and other specialized laboratories will be housed adjacent to their academic departments.

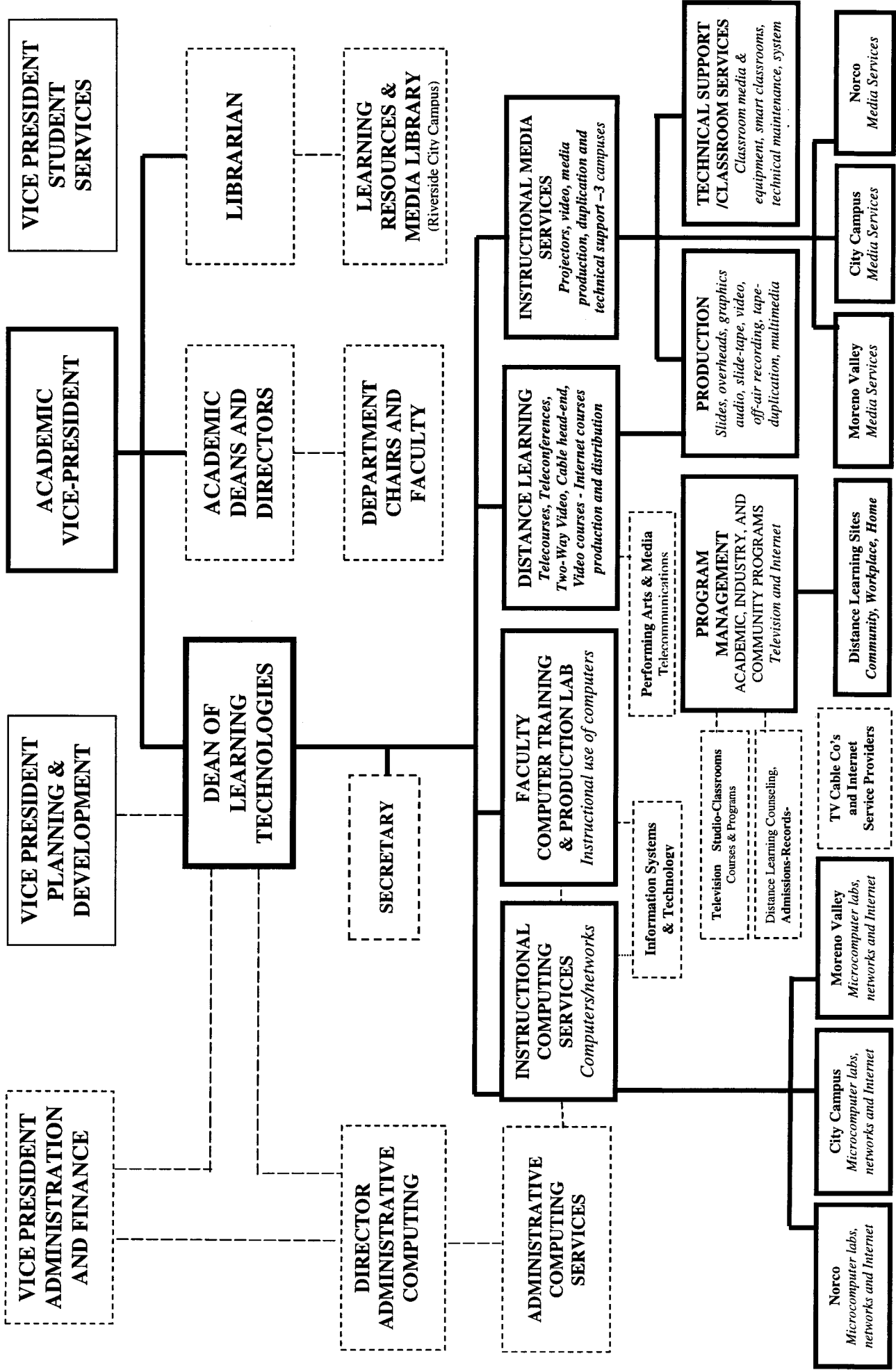
**Distance Learning** is an area projected for rapid growth. It uses communication technologies to reach learners who cannot attend on-campus classes at the time they are scheduled, or who for reasons of time and distance do not have access to a college education. Distance learning includes: 1) Internet based programs developed in conjunction with the instructional computing unit; 2) television based programs that broadcast on-campus classes and/or combine classes using two-way interactive video; and 3) Internet and/or television based classes from other educational providers.

Distance learning requires studio-classrooms for program origination and teleconferencing, and smart (media) classrooms for reception of live and recorded courses from other organizations. Studio classrooms will be supported by camera control rooms and a master control center for recording, playback, and routing television signals to broadcast transmitters, cable companies, telephone companies, and Internet Service providers. There will be lesson preparation rooms, rehearsal rooms, administrative offices, faculty offices, conference rooms, and storage areas for classroom sets, props, backgrounds, and equipment. All classrooms will have conference telephones and digital video projection displays.

Television and Internet classes will be broadcast from the second floor of the present library building when the new LLRC building is constructed. In the interim, videotaped classes will continue to be produced in the Telecommunications TV studio. One classroom in the Instructional Media Center has been converted for interactive video and teleconferencing.

**Instructional Media Center** (IMC) will provide production services, media distribution, campus-wide classroom support, technical maintenance, and support for special

**TECHNOLOGY PLAN FOR THE RIVERSIDE COMMUNITY COLLEGE DISTRICT**  
**Proposed Plan of Organization for Learning Technologies**





**TECHNOLOGY PLAN FOR THE RIVERSIDE COMMUNITY COLLEGE DISTRICT**

<b>Cost of Installed Computers</b>			
Purchase Price per Pentium computer	\$3,106	Total annual cost for Pentiums	\$2,577,980
Specialized computer equipment (Mac, Silicon Graphics, etc) calculated at 5% number of Pentiums purchased and 10% of cost			\$257,798
Network & server cost per computer	1000	Total network and servers	\$830,000
Electrical wiring	100	Total electrical	\$83,000
Software and licenses	500	Total software and licenses	\$415,000
Internet Services	150	Total Internet services	\$124,500
Faculty Training & Production Lab	350	Total faculty training / production	\$319,550
Furniture and installation	250	Total installation cost	\$207,500
<b>Annual total</b>			<b>\$4,815,328</b>

As of October 1997, the cost of a Pentium II 300 Mhz computer equipped to RCCD bid specification for instructional computers was \$3,105. The installed cost after adding the wiring, servers, network and furniture was \$5,455 – \$2,350 more. The cost of training technicians, instructors and students should be added to the above cost.

**2. Personnel and Staff Development – Riverside City Campus 2.1. October 1997**

Instructional Computing	1.0	Technician (not funded)
	3.0	Lab aides (not funded)
Distance Learning	0.0	
Faculty Lab	1.5	Lab Aides (not funded)
Instructional Media Center	1.0	Media Clerk
	2.0	Instructional Media Technician
	2.0	Instructional Media Assistants

**Five year projection – year 2002:**

Instructional Computing	1.0	Lab manager
	4.0	Technician
	16.0	Interns
	12.0	Lab aides
Distance Learning	1.0	Production Manager (Television)
	1.0	Television Technician
	10.0	Student Camera Operators
	1.0	Clerical
	1.0	Production Manager (Internet)
	2.0	Instructional Designer
	10.0	Student Web Page Designers
	1.0	Programmer/Technician
	1.0	Coordinator of Community programs
	1.0	Clerical
Faculty Training / Production Labs	1.0	Lab Manager
	5.0	Lab Aides
Instructional Media Center	1.0	Media Clerk
	2.0	Graphic artist
	2.0	Instructional Media Technician
	2.0	Instructional Media Assistants

## TECHNOLOGY PLAN FOR THE RIVERSIDE COMMUNITY COLLEGE DISTRICT

medial technology should provide a resource for distance learning in the State of California, and it is suggested that, in addition to the regular distance learning courses via television and Internet, that Moreno Valley originate distance learning courses in medial technology.

### 4. Personnel and Staff Development Identified by Norco Campus 4.1. October 1997

Instructional Computing Services	1.0	Technician (not funded)
	3.0	Lab Aides (not funded)
Distance Learning	0.0	
Faculty Lab	0.0	
Instructional Media Center	1.0	Hourly Classified

### Five year projection – year 2002:

Instructional Computing	3.0	Technician
	8.0	Interns
	10.0	Lab aides
Distance Learning	2.0	Technician
	1.0	Clerical
	1.0	Coordinator Engineering programs
Faculty Training / Production Labs	1.0	Lab Manager
	3.0	Lab Aides
Instructional Media Center	1.0	Media Clerk
	1.0	Instructional Media Technician
	1.0	Instructional Media Assistant

### 4.2. Overall summary description: Technicians and lab aides are needed immediately to support installation and operation of the new general purpose lab in the Humanities building, and to properly maintain the other computer laboratories on the campus.

Continued growth of the Norco campus and programs ensures resources to support orderly growth as proposed here. The specialization in engineering, computer science and multimedia should provide a resource for distance learning in the State of California. It is suggested that, in addition to the regular distance learning courses via television and Internet, that Norco originate distance learning courses in engineering, computer science, mechatronics, and related technologies.

### 5. Personnel and Staff Development – District Level 5.1. October 1997

Division of Learning Technologies	1.0	Dean
	1.0	Secretary to the Dean
Instructional Computing Services	1.0	Computer Laboratory Coordinator
Distance Learning Coordinator	0.4	
Faculty Lab	1.0	Instructor (not funded)
Instructional Media Center	1.0	Manager

All of these positions are located on the City Campus and travel to Norco and Moreno Valley based on need.

## TECHNOLOGY PLAN FOR THE RIVERSIDE COMMUNITY COLLEGE DISTRICT

evaluation of computer based instructional materials. This person will also be responsible for developing a faculty newsletter for to keep them abreast of new teaching techniques, technologies and software.

The lab aide (two 20-hour positions) will keep the faculty lab open as needed for up to 40 hours each week and provide assistance for faculty to use hardware and software; design, produce and test materials; and implement presentations and multimedia in classrooms and labs.

### Distance Learning

- 0.6 Distance Learning Coordinator – Sharon McConnell (increase from 0.4)
- 1.0 Student assistant (increase from 0.5)

**Note:** This position will coordinate existing courses delivered on tape to local cable companies; review available resources to expand the offerings via cable; prepare a plan for use of interactive video to link RCCD campuses and 4Cnet campuses; and explore the distance learning options for certificate programs taught at RCCD.

### Audiovisual Production / Classroom Support / Technical Support

- 1.0 Coordinator and Media Specialist (Henry Bravo)
- 1.0 Media Clerk (Becky Soto)
- 1.0 AV Tech (Michael Prosser)
- 1.0 AV Tech (Amando Castro)
- 1.0 AV Tech – Evening Service (Harry Petty)
- 1.0 Media Specialist – Norco (0.5 Huy Ngyen + 0.5 *new*)
- 1.0 Media Specialist – Moreno Valley (Gustavo Segura)

### 1997-98 Proposed New Operating Budgets (less salaries & equipment)

Academic Computing	
Office supplies	10,000
Travel.	8,000
Contracted services	50,000
Computer and network components (maintenance)	60,000
Software, site licenses, services, etc. (new)	75,000
Faculty Development	(new)
Computer supplies – toner, paper, inks, transparency materials, software, authoring programs, services	10,000
Distance Learning	
Production Expense (new)	50,000
Instructional Media Center	
AV Graphic, Television, and Computer Services in support of faculty production	25,000