

San Diego Miramar College

2004

Educational Master Plan

*Departmental
Growth Projections*

INSTRUCTIONAL MASTER PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Natural Science		
	1 Number of Full-time Faculty 9	1 Number of Full-time Faculty Needed 13
Program Name		
Biology	2 Number of Adjunct Faculty 18	2 Number of Adjunct Faculty Needed 11
	3 FTEF of Adjunct Faculty 16.28	3 FTEF of Adjunct Faculty 8.5
	4 Size of Program in FTES 484.1	4 Size of Program in FTES 968.2
	5 Description of Program: Biology is a natural science that focuses on physical and chemical processes of living organisms. This discipline explores how organisms acquire and use energy to maintain homeostasis, how they reproduce, and how they interact with each other and their environment. Scientific processes are emphasized as a means of answering these biological questions. Biologists rely heavily on a chemistry foundation since living organisms are chemical systems.	5 Description of Program: A comprehensive science program for the following tracts and focus: <ul style="list-style-type: none"> • Transfer degree students • Allied health students transferring to professional programs • Vocational training in biotechnology and anesthesiologist technician. • General Education • Study abroad programs such rain forest ecology, desert ecology and ecology of the Sierra Nevada mountains
	5a Program Learning Outcomes: The biology program serves four areas of study. First, it provides a broad background of studies for the biology major preparing for transfer to a four-year institution. Second, the Applied Biology Associate Degree curriculum provides preparation for entry level employment as a technician in the life sciences industry. In addition to the associate degree programs, certificates in Applied Biotechnology with emphasis in either Molecular Biology or Analytical Chemistry are offered. The biology program also offers support courses in human anatomy, human physiology and general microbiology which may be used to satisfy prerequisites for nursing programs and other allied health fields. Fourth, the biology program provides courses in natural science to fulfill general education requirements.	
	6 Barriers to Growth of Program Laboratory Space and full-time faculty.	6 Type of Facilities Required: a. Lecture Space Needed: 6 Laboratory / lecture rooms to seat 24 students to accommodate 200 level courses such as majors biology, anatomy, physiology, microbiology, botany and zoology.

Natural Science, Health and Exercise Science
Biology

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		b. Large Lecture Spaces Needed: Four lecture halls for two for 48 students and 2 for 64 students to serve the 100 level lectures that will split students off into laboratories.

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		<p>c. Laboratory Space Needed: 10 laboratories for running multiple sections of all the courses will be needed as follows: One for Anatomy, one for physiology, one for microbiology, one for marine biology and natural history, one for cell and molecular biology, one for biotechnology, one for botany, one for the anesthesiologist technician program and two for non majors biology.</p> <p>The program will require other spaces for preparation of laboratory materials, storage of equipment and reagents, incubators, refrigerators, cadavers, microorganism.</p> <p>A tutorial / computer study room would be necessary for testing online students and tutoring. A conference and meeting room for faculty meetings.</p> <p>Outside areas that would support the program would be a pond and a greenhouse.</p> <p>d. Technology Required: Modern AV equipment in the classrooms and the laboratories. Computer networking and printers for faculty and laboratories.</p> <p>e. Other Special Needs: Pond and greenhouse outside of the building.</p> <p>f. Offices for:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">i. Faculty</td> <td style="text-align: right;">10</td> </tr> <tr> <td style="padding-left: 20px;">ii. Secretarial Staff</td> <td style="text-align: right;">1</td> </tr> <tr> <td style="padding-left: 20px;">iii. Technical Staff</td> <td style="text-align: right;">5</td> </tr> <tr> <td style="padding-left: 20px;">iv. Administrators</td> <td style="text-align: right;">0</td> </tr> <tr> <td style="padding-left: 20px;">v. Other</td> <td></td> </tr> </table> <p>7 Additional Comments Regarding Facility Needs</p> <p>A comprehensive biology program will provide student with academic and career options here at Miramar College. If students can complete their biology courses here at Miramar, they will stay for other courses as well. Having more offerings at convenient times for students will also increase student demand.</p> <p>An attractive building with a pond and greenhouse will also improve our programs presence in the community.</p> <p>A strong study abroad program will increase our exposure the to community by providing options for new types of students.</p>	i. Faculty	10	ii. Secretarial Staff	1	iii. Technical Staff	5	iv. Administrators	0	v. Other	
i. Faculty	10											
ii. Secretarial Staff	1											
iii. Technical Staff	5											
iv. Administrators	0											
v. Other												

Natural Science, Health and Exercise Science
 Biology

INSTRUCTIONAL MASTER PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Business	<p>1 Number of Full-time Faculty 3</p>	<p>1 Number of Full-time Faculty Needed 20</p>
Program Name		
Business	<p>2 Number of Adjunct Faculty 21</p> <p>3 FTEF of Adjunct Faculty 21.5</p> <p>4 Size of Program in FTES 477.1</p> <p>5 Description of Program: There are two programs; Business Administration and Business Management. Business Administration: The business program prepares the student for transfer to a four-year college or for a business occupational area of his/her own choice. Business Management: Intended for the student who wishes to plan a program in preparation for a business occupational area of his/her own choice. Flexible course selection is emphasized to enable students to achieve their specific educational, vocational and personal goals.</p>	<p>2 Number of Adjunct Faculty Needed 18</p> <p>3 FTEF of Adjunct Faculty 14.00</p> <p>4 Size of Program in FTES 954.2</p> <p>5 Description of Program: There are two programs; Business Administration and Business Management. Business Administration: The business program prepares the student for transfer to a four-year college or for a business occupational area of his/her own choice. Business Management: Intended for the student who wishes to plan a program in preparation for a business occupational area of his/her own choice. Flexible course selection is emphasized to enable students to achieve their specific educational, vocational and personal goals.</p>
	<p>5a Program Learning Outcomes:</p> <p>Business Administration: The Business Program offers a certificate of Achievement and an Associate of Science Degree in Business Administration, Business Management, and Business Management: Mortgage Brokerage and Banking.</p> <p>Business Management: The Business Program offers a certificate of Achievement and an Associate of Science Degree in Business Management. This program prepares students for initial employment in the business field or the possibility of starting a small business of his/her own.</p>	<p>6 Type of Facilities Required:</p> <p>a. Lecture Space Needed: 7 classrooms (40-55 seats)</p> <p>b. Large Lecture Spaces Needed: None</p> <p>c. Laboratory Space Needed: None</p> <p>d. Technology Required: 7 projectors and computers for instruction installed in lecture rooms.</p> <p>e. Other Special Needs: None</p> <p>f. Offices for:</p> <p style="margin-left: 20px;">i. Faculty 4</p> <p style="margin-left: 20px;">ii. Secretarial Staff</p> <p style="margin-left: 20px;">iii. Technical Staff</p> <p style="margin-left: 20px;">iv. Administrators</p> <p style="margin-left: 20px;">v. Other</p>
	<p>6 Barriers to Growth of Program Lack of funds due to budget problems has not allowed for program expansion.</p>	<p>7 Additional Comments Regarding Facility Needs</p>

INSTRUCTIONAL MASTER PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Business	<p>1 Number of Full-time Faculty 1</p>	<p>1 Number of Full-time Faculty Needed 1.5</p>
Program Name		
Computer Business Tech	<p>2 Number of Adjunct Faculty 2</p> <p>3 FTEF of Adjunct Faculty 1.799</p> <p>4 Size of Program in FTES 85.02</p> <p>5 Description of Program: The Computer Business Technology program provides theory and hands-on training in major office systems, webpage design, and technology used to enhance productivity and communications. Students are prepared, through extensive coursework, with the necessary skills and knowledge for initial employment in the field of business.</p> <p>5a Program Learning Outcomes: Emphasis is on modern methods and updated software and equipment.</p> <p>6 Barriers to Growth of Program Budget constraints on program expansion.</p>	<p>2 Number of Adjunct Faculty Needed 2.5</p> <p>3 FTEF of Adjunct Faculty 2.00</p> <p>4 Size of Program in FTES 164.04</p> <p>5 Description of Program: 50-55 sections that would provide training for specialized work in law offices, in legal departments of banks, insurance companies, real estate firms or other business organizations and government officer (awarding 12 certificates and 3 degrees).</p> <p>6 Type of Facilities Required: a. Lecture Space Needed: 2 classrooms (40-45 seats) b. Large Lecture Spaces Needed: None c. Laboratory Space Needed: 2 labs with 35-36 computer stations. One d. Technology Required: Software and appropriate licenses for the 3 computer labs. e. Other Special Needs: None f. Offices for: i. Faculty 4 ii. Secretarial Staff iii. Technical Staff 1 iv. Administrators v. Other</p> <p>7 Additional Comments Regarding Facility Needs</p>

INSTRUCTIONAL MASTER PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Natural Science	<p>1 Number of Full-time Faculty 4.5</p>	<p>1 Number of Full-time Faculty Needed 9</p>
Program Name		
Chemistry	<p>2 Number of Adjunct Faculty 12</p> <p>3 FTEF of Adjunct Faculty 14.15 FTEF 18.9</p> <p>4 Size of Program in FTES 302.8</p> <p>5 Description of Program: The Chemistry Program fosters an understanding of the fundamental principles of chemistry in a variety of applications - medicine, health-care products, energy, food production, body metabolism, structural materials, microelectronics, and the environment. Students learn how chemical knowledge is derived, theorized, and applied in solving problems in everyday life. Students perform experiments in a modern chemistry laboratory under the guidance of experienced faculty. The curriculum is designed to meet the needs of students who wish to pursue a major in fields such as: (1) chemistry, biology, marine science, geology, physics, medicine, engineering, or technology; (2) paramedical or allied health science, including nursing, physical therapy, or nutrition; or liberal arts. Courses will also meet general education requirements for both the two and four-year institutions.</p> <p>5a Program Learning Outcomes: Student who complete the Chemistry Program will be able to: 1) Name and draw structures for organic and inorganic compounds 2) classify inorganic and organic reactions 3) determine the products of inorganic and organic reactions 4) match various inorganic and organic reactions with the appropriate chemical processes 5) successfully perform experiments involving chemical equipment, measurement and data collection.</p> <p>6 Barriers to Growth of Program Not enough lab facilities and supply</p>	<p>2 Number of Adjunct Faculty Needed 13</p> <p>3 FTEF of Adjunct Faculty 26.00 FTEF 35</p> <p>4 Size of Program in FTES 605.6</p> <p>5 Description of Program: The Chemistry Program fosters an understanding of the fundamental principles of chemistry in a variety of applications - medicine, health-care products, energy, food production, body metabolism, structural materials, microelectronics, and the environment. Students learn how chemical knowledge is derived, theorized, and applied in solving problems in everyday life. Students perform experiments in a modern chemistry laboratory under the guidance of experienced faculty. Each semester the chemistry program will offer a full slate of undergraduate courses and their corresponding labs ranging from a new Chemistry and Society course, Allied health chemistry course, Allied health organic chemistry, new Allied health biochemistry, Preparatory chemistry, General chemistry, Organic chemistry, Analytical/Instrumental Analysis chemistry.</p> <p>6 Type of Facilities Required: a. Lecture Space Needed:</p>

Natural Science, Health and Exercise Science
Chemistry

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	<p>budget to offer more lab courses in the Chemistry program.</p>	<p>Lecture spaces will be per American Chemical Society Guideline for 2- yr programs. Lecture spaces will have access to the internet for students and Intranet access for faculty staff.</p> <p>b. Large Lecture Spaces Needed: NONE NEEDED</p> <p>c. Laboratory Space Needed: The heart of the chemistry program will be its lab facilities. In addition to the labs that will be needed as described above, there will be room for facilities for students to conduct undergraduate research. In this way, students will have a jump start on how original research is performed.</p> <p>d. Technology Required: The department will have the latest in chemical analysis instrument from FTIR, GCMS, HPLC, FT-NMR, UV-Vis, AA and other state of the art instrument all connected to the network so that the data collected can easily be access from a computer outside of the laboratory.</p> <p>e. Other Special Needs:</p> <p>f. Offices for:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">i. Faculty</td> <td style="text-align: right;">9</td> </tr> <tr> <td style="padding-left: 20px;">ii. Secretarial Staff</td> <td style="text-align: right;">1</td> </tr> <tr> <td style="padding-left: 20px;">iii. Technical Staff</td> <td style="text-align: right;">4</td> </tr> <tr> <td style="padding-left: 20px;">iv. Administrators</td> <td style="text-align: right;"></td> </tr> <tr> <td style="padding-left: 20px;">v. Other (Grant Writer)</td> <td style="text-align: right;">0</td> </tr> </table> <p>Additional Comments Regarding 7 Facility Needs computer room for students to do work and student gathering area.</p>	i. Faculty	9	ii. Secretarial Staff	1	iii. Technical Staff	4	iv. Administrators		v. Other (Grant Writer)	0
i. Faculty	9											
ii. Secretarial Staff	1											
iii. Technical Staff	4											
iv. Administrators												
v. Other (Grant Writer)	0											

INSTRUCTIONAL MASTER PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Business	<p>1 Number of Full-time Faculty 2</p>	<p>1 Number of Full-time Faculty Needed 4</p>
Program Name		
Computer and Information Science	<p>2 Number of Adjunct Faculty 0</p> <p>3 FTEF of Adjunct Faculty 0.9</p> <p>4 Size of Program in FTES 89.79</p> <p>5 Description of Program: The focus of the Computer and Information Sciences program is on the function and use of the computer. The program includes general study of computer languages as well as utilization and application of computer software.</p>	<p>2 Number of Adjunct Faculty Needed 6</p> <p>3 FTEF of Adjunct Faculty 2.50</p> <p>4 Size of Program in FTES 179.6</p> <p>5 Description of Program: The focus of the Computer and Information Sciences program is on the function and use of the computer. The program includes general study of computer languages as well as utilization and application of computer software.</p>
	<p>5a Program Learning Outcomes:</p> <p>The Computer and Information Sciences program offers: a Certificate of Achievement and an Associate Degree in Computer and Information Sciences; and a Certificate of Achievement an Associate Degree in Computer and Information Sciences with an emphasis in Microcomputer Professional.</p>	<p>6 Type of Facilities Required:</p> <p>a. Lecture Space Needed: 10 classrooms (30-40 seats)</p> <p>b. Large Lecture Spaces Needed: None</p> <p>c. Laboratory Space Needed: Five labs with 30-40 computer stations.</p> <p>d. Technology Required: 15 projector units and computers for instructional use in classrooms and labs. Software and appropriate licenses for the five computer labs.</p> <p>e. Other Special Needs: None</p>
	<p>6 Barriers to Growth of Program Lack of funds due to budget problems has not allowed for program expansion.</p>	<p>f. Offices for:</p> <p>i. Faculty 4</p> <p>ii. Secretarial Staff</p> <p>iii. Technical Staff 1</p> <p>iv. Administrators</p> <p>v. Other</p>
		<p>7 Additional Comments Regarding Facility Needs</p>

INSTRUCTIONAL MASTER PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Health, Physical Ed. And Nutrition	<p>1 Number of Full-time Faculty 4</p>	<p>1 Number of Full-time Faculty Needed 6</p>
Program Name		
Health, Physical Ed. And Nutrition	<p>2 Number of Adjunct Faculty 24</p> <p>3 FTEF of Adjunct Faculty 16.80</p> <p>4 Size of Program in FTES 464</p> <p>5 Description of Program: Physical Education is a discipline focusing on the relationship between physical activity and physical, mental, emotional, and social health. Physical activity courses teach movement skills, enhance fitness, and engender a lifestyle consistent with optimal wellness.</p> <p>5a Program Learning Outcomes: The Department of Physical Education offers an everincreasing variety of activity courses. Boasting facilities that include a 32-acre complex of fields for softball, soccer, sand volleyball, and tennis, the Department also offers classes in a state of the art three pool aquatic complex. The recent curricular addition of lower division theory courses now allows students to pursue the Transfer Studies degree in Physical Education.</p> <p>6 Barriers to Growth of Program The most significant barriers to growth are: lack of faculty, lack of coaches, lack of offices for faculty and coaches, lack of classes offered, lack of facilities to offer classes, and lack of financial support to offer more sports.</p>	<p>2 Number of Adjunct Faculty Needed 40</p> <p>3 FTEF of Adjunct Faculty</p> <p>4 Size of Program in FTES 928</p> <p>5 Description of Program: By the time the college reaches 25,000 students the department will be offering an astounding number of lecture and laboratory classes. The athletic department will be overseeing a total of 20 sports (10 men's sports and 10 women's sports). Presently we are offering only two sports (men's water polo and women's water polo).</p> <p>6 Type of Facilities Required: a. Lecture Space Needed: The department will offer at least 40 sections of classes each week that will require lecture facilities. b. Large Lecture Spaces Needed: Approx. 10 large lecture rooms per week with capacity for 50 students each. c. Laboratory Space Needed: 1 large dance studio, 1 small dance studio, and 1 free weight room (approx. 5,000 sq. ft.). These additional rooms are required despite the addition of the Field House in the near future. d. Technology Required:</p>
Natural Science, Health and Exercise Science Health and Exercise Science		

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Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
		Required technology would be consistent with the campus wide need identified for a typical classroom of the future. This would include items such as Internet access, computer projection to a large screen, television with VHS and DVD capability, overhead projector, etc.

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Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
		<p>e. Other Special Needs: Offices for coaches, athletic director, athletic director secretary, and adjunct faculty.</p> <p>f. Offices for:</p> <p>i. Faculty 30+ full-time faculty and 25-30 adjunct faculty</p> <p>ii. Secretarial Staff Men's athletic, Women's athletic, and department secretary</p> <p>iii. Technical Staff Facilities supervisor, pool supervisor, two athletics grounds keepers, two equipment attendants, two athletic trainers, one fitness room supervisor</p> <p>iv. Administrators 2 directors of athletics and the dean</p> <p>v. Other</p> <p style="text-align: right;">3</p> <p style="text-align: right;">9</p> <p style="text-align: right;">3</p> <p>Additional Comments Regarding</p> <p>7 Facility Needs A dedicated free weight/strength and conditioning room is needed immediately for our athletic programs, Fitness Specialist Certificate program and for advanced training for our dedicated students. Field 7/8 dedicated 100% to</p>

INSTRUCTIONAL MASTER PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students	
Business	<p>1 Number of Full-time Faculty 0</p>	<p>1 Number of Full-time Faculty Needed 3</p>	
Program Name			
International Business	<p>2 Number of Adjunct Faculty 0</p> <p>3 FTEF of Adjunct Faculty 0</p> <p>4 Size of Program in WFCH 0</p> <p>5 Description of Program: This program is not offered currently.</p>	<p>2 Number of Adjunct Faculty Needed 4</p> <p>3 FTEF of Adjunct Faculty 7.50</p> <p>4 Size of Program in WFCH 90-100</p> <p>5 Description of Program: International Business integration and strategy will be the basis for twenty-five to thirty sections of international business courses in finance, economics, management, marketing, and e-commerce. This program will award certificates and an associate of science degree.</p>	
	<p>6 Barriers to Growth of Program No funding available for new programs.</p>	<p>6 Type of Facilities Required:</p> <p>a. Lecture Space Needed: 3 rooms (40 seats each)</p> <p>b. Large Lecture Spaces Needed: 1 (70-80 seats)</p> <p>c. Laboratory Space Needed: None</p> <p>d. Technology Required: Projection Units and computer for instructional use in lecture rooms.</p> <p>e. Other Special Needs: Approximately 25 – 30 classes will be offered yearly to cover the major courses for this program.</p> <p>f. Offices for:</p> <p style="margin-left: 20px;">i. Faculty 3</p> <p style="margin-left: 20px;">ii. Secretarial Staff</p> <p style="margin-left: 20px;">iii. Technical Staff</p> <p style="margin-left: 20px;">iv. Administrators</p> <p style="margin-left: 20px;">v. Other</p>	
		<p>7 Additional Comments Regarding Facility Needs</p>	

INSTRUCTIONAL MASTER PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Business	<p>1 Number of Full-time Faculty 1</p>	<p>1 Number of Full-time Faculty Needed 1.5</p>
Program Name		
Legal	<p>2 Number of Adjunct Faculty 5</p> <p>3 FTEF of Adjunct Faculty 2</p> <p>4 Size of Program in FTES 52.74</p> <p>5 Description of Program: Approved by the American Bar Association (ABA), the paralegal program provides professional training with an emphasis on occupational competency. Paralegals adhere to recognized ethical standards and rules of professional responsibility.</p> <p>5a Program Learning Outcomes: To provide students with a post-secondary level of education which will prepare them for transfer to a 4 year university to continue their studies [and] To provide practical training to students to be employed or retained as a paralegal professional by an attorney, law office, governmental agency, or other entity in the private or public sectors throughout the various jurisdictions in the United States [or] perform the duties of a paralegal.</p> <p>6 Barriers to Growth of Program Lack of funds due to budget problems has not allowed for program expansion.</p>	<p>2 Number of Adjunct Faculty Needed 5</p> <p>3 FTEF of Adjunct Faculty 1.00</p> <p>4 Size of Program in FTES 105.48</p> <p>5 Description of Program: Approved by the American Bar Association (ABA), the paralegal program provides professional training with an emphasis on occupational competency. Paralegals adhere to recognized ethical standards and rules of professional responsibility.</p> <p>6 Type of Facilities Required:</p> <p>a. Lecture Space Needed: 6 classrooms (45-55 seats)</p> <p>b. Large Lecture Spaces Needed: None</p> <p>c. Laboratory Space Needed:</p> <p>d. Technology Required:</p> <p>e. Other Special Needs: None</p> <p>f. Offices for:</p> <p>i. Faculty 4</p> <p>ii. Secretarial Staff</p> <p>iii. Technical Staff</p> <p>iv. Administrators</p> <p>v. Other</p> <p>7 Additional Comments Regarding Facility Needs</p>

INSTRUCTIONAL MASTER PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Mathematics	<p>1 Number of Full-time Faculty 6</p> <p>2 Number of Adjunct Faculty 31</p> <p>3 FTEF of Adjunct Faculty 27.41</p> <p>4 Size of Program in FTES 764.7</p> <p>5 Description of Program: Mathematics is the study of numbers, structures, and associated relationships using rigorously defined literal, numerical and operational symbols. Given certain conditions about systems of numbers or other objects, mathematicians derive conclusions based on logical arguments. Basic mathematical skills enable a person to solve numerical problems encountered in daily life, and more advanced skills have numerous applications in the physical, social and life sciences.</p> <p>5a Program Learning Outcomes: The mathematics curriculum includes courses that range from basic skills through differential equations. The basic skills and associate degree level courses provide students with the mathematical preparation necessary for study in other disciplines, as well as for degree and transfer requirements. Successful completion of this curriculum a mathematics degree will develop competence in mathematics through differential and integral calculus, providing an adequate background for employment in many technological and scientific areas as well as providing a firm foundation for students planning advanced study in mathematics, engineering, or physical sciences.</p> <p>6 Barriers to Growth of Program Budget and classroom space</p>	<p>1 Number of Full-time Faculty Needed 15</p> <p>2 Number of Adjunct Faculty Needed 15</p> <p>3 FTEF of Adjunct Faculty 10</p> <p>4 Size of Program in FTES 1529</p> <p>5 Description of Program: Mathematics is the study of numbers, structures, and associated relationships using rigorously defined literal, numerical and operational symbols. Given certain conditions about systems of numbers or other objects, mathematicians derive conclusions based on logical arguments. Basic mathematical skills enable a person to solve numerical problems encountered in daily life, and more advanced skills have numerous applications in the physical, social and life sciences.</p> <p>6 Type of Facilities Required: a. Lecture Space Needed: 24 classrooms designated for math during prime time hours. b. Large Lecture Spaces Needed: None c. Laboratory Space Needed:</p>
Mathematics		

Math lab computers (30), tables, math tutors

d. Technology Required:

Overhead projection systems in classrooms, Classroom sets of calculators, computer programs for Statistics classes, and upper level transfer classes.

e. Other Special Needs:

Classrooms assigned to the mathematics department due to the large number of five unit classes which will help the department better utilize classrooms. Tables in math classrooms rather than tab arem desks.

f. Offices for:

i. **Faculty (15 contract/5 adjunct)**

17

ii. **Secretarial Staff**

1

iii. **Technical Staff**

1

iv. **Administrators**

1

v. **Other**

Additional Comments Regarding

7 Facility Needs

Meeting room for math faculty and math club.

INSTRUCTIONAL MASTER PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Natural Science	<p>1 Number of Full-time Faculty 0</p>	<p>1 Number of Full-time Faculty Needed 1</p>
Program Name		
Medical Laboratory Techni	<p>2 Number of Adjunct Faculty 2</p> <p>3 FTEF of Adjunct Faculty 1.03</p> <p>4 Size of Program in FTES</p> <p>5 Description of Program: The Medical Laboratory Technology program prepares students for employment in clinical laboratories, industry, and biotechnology as a Medical Laboratory Technician. The program curriculum integrates basic concepts, technical procedures, and laboratory exercises prior to clinical education at an affiliate site. It will provide practical experience for students to master the competencies, skills, and knowledge required in this profession.</p>	<p>2 Number of Adjunct Faculty Needed 2</p> <p>3 FTEF of Adjunct Faculty 0.5</p> <p>4 Size of Program in FTES</p> <p>5 Description of Program: The Medical Laboratory Technology program prepares students for employment in clinical laboratories, industry, and biotechnology as a Medical Laboratory Technician. The program curriculum integrates basic concepts, technical procedures, and laboratory exercises prior to clinical education at an affiliate site. It will provide practical experience for students to master the competencies, skills, and knowledge required in this profession.</p>
	<p>5a Program Learning Outcomes:</p> <p>The MLT program is designed to produce trained employees to enter the medical laboratory workforce. As such, the program's primary learning outcome is to graduate competent, workplace-ready members of the health care team who</p> <ul style="list-style-type: none"> - Exhibit theoretical comprehension and competence in all MLT courses by passing comprehensive college and certification exams. - Demonstrate entry-level MLT skills in the following clinical laboratory areas: Clinical Chemistry, Hematology, Urinalysis and oagulation, Immunology and Immunoematology, and Microbiology. - Demonstrate professionalism and awareness of their role in the delivery of health care to patients, such as respecting the rights of patients, colleagues and other health professionals as they perform duties within the constraints of legal, moral and ethical conduct. - Exhibit positive attitudes in the areas of professionalism and commitment to 	<p>6 Type of Facilities Required:</p> <p>a. Lecture Space Needed: 10 classrooms (40-50 seats)</p> <p>b. Large Lecture Spaces Needed: None</p> <p>c. Laboratory Space Needed: None</p> <p>d. Technology Required: 10 projector units and computers for instructional use in classrooms.</p> <p>e. Other Special Needs: None</p> <p>f. Offices for:</p> <ul style="list-style-type: none"> i. Faculty 4 ii. Secretarial Staff iii. Technical Staff iv. Administrators v. Other <p>Additional Comments Regarding</p> <p>7 Facility Needs</p>

delivering excellent health care.

6 Barriers to Growth of Program

Lack of funds due to budget problems has not allowed for program expansion.

EDUCATIONAL MASTER PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Natural Science		
	1 Number of Full-time Faculty 2	1 Number of Full-time Faculty Needed 6
Program Name		
Physical Science	2 Number of Adjunct Faculty 6	2 Number of Adjunct Faculty Needed 7
Astronomy	3 FTEF of Adjunct Faculty 4.54	3 FTEF of Adjunct Faculty 13.00
Physics	Yearly FTEF TOT 8.54	19
Geology	4 Size of Program in FTES 161.7	4 Size of Program in FTES 323.4
Physical Science		
	5 Description of Program: Physical Science is the study of the physical environment, material things, matter, and energy. Students learn the principles that form the foundations of non-living systems and gain an understanding and appreciation of the methodologies of science as investigative tools. The Physical Science program is designed to prepare students to transfer to a four-year university in a physical science-related discipline.	5 Description of Program: Expand program to offer day and evening classes.
We will NEED to have PHYSICS as a program by then.		
	5a Program Learning Outcomes: Students who complete the Physical Science Program will be able to: 1) Identify connections between scientific theory and observations 2) Solve problems related to concepts in the physical science areas 3) visualize important features of a given physical phenomenon 4) interpret scientific results collected by others and/or assess the validity of results collected in a physical science laboratory.	6 Type of Facilities Required: a. Lecture Space Needed: Shared classroom space with department b. Large Lecture Spaces Needed: None c. Laboratory Space Needed: Shared lab spaces amongst physical science and physics and with the rest of the department d. Technology Required: Computers e. Other Special Needs: Science equipment for subject matter f. Offices for: i. Faculty 6 ii. Secretarial Staff iii. Technical Staff 2 iv. Administrators v. Other Clerical staff, and Administrator -- shared within department.
	6 Barriers to Growth of Program	
Natural Science, Health and Exercise Science Physical Science		7 Additional Comments Regarding Facility Needs

DRAFT PROJECTED GROWTH PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Arts and Humanities		
Program Name		
Art	<p>1 Number of Full-time Faculty 2</p> <p>2 Number of Adjunct Faculty 6</p> <p>3 FTEF of Adjunct Faculty 2.175</p> <p>4 Size of Program in FTES 158.4</p> <p>5 Description of Program: This program offers a Certificate of Performance/Crafts Skills and an Associate in Arts Degree/Visual Studies. It includes the study of both two and three dimensional art, and it is designed to maximize transfereable course units and to provide basic skills required for employment in art related fields.</p> <p>6 Barriers to Growth of Program None at the moment. However, future full-time faculty and supply funding will be necessary to facilitate growth.</p>	<p>1 Number of Full-time Faculty Needed 4</p> <p>2 Number of Adjunct Faculty Needed 12</p> <p>3 FTEF of Adjunct Faculty 5</p> <p>4 Size of Program in FTES 364.3</p> <p>5 Description of Program: This program needs to expand in the number of sections offered to give more students the opportunity take them. We anticipate an increase of 45% over the current program. Currently we run about 17 sections, and we aim to increase this number to 33 sections.</p> <p>6 Type of Facilities Required: a. Lecture Space Needed: Current space is sufficient. b. Large Lecture Spaces Needed: Current space is sufficient. c. Laboratory Space Needed: Current space is sufficient. d. Technology Required: Updating equipment as needed. e. Other Special Needs: f. Offices for: <i>i. Faculty</i> 4 <i>ii. Secretarial Staff</i> <i>iii. Technical Staff</i> <i>iv. Administrators</i> <i>v. Other</i></p> <p>7 Additional Comments Regarding Facility Needs</p>

DRAFT PROJECTED GROWTH PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
English, Communications and World Languages	1 Number of Full-time Faculty 2	1 Number of Full-time Faculty Needed 4
Program Name		
Communication Studies	2 Number of Adjunct Faculty 6 3 FTEF of Adjunct Faculty 2.4 4 Size of Program in FTES 114.2 5 Description of Program: This Program offers an Associate in Arts Degree/Communication Studies, and it is designed for students who plan to complete a bachelors degree at a transfer institution with a communications related major.	2 Number of Adjunct Faculty Needed 12 3 FTEF of Adjunct Faculty 4.80 4 Size of Program in FTES 262 68 5 Description of Program: Future Program would include expanded course offerings in all areas of study, especially upper level courses. Course sections would increase from 24sections to 50 sections.
	6 Barriers to Growth of Program More full-time faculty will be needed to create and offer upper level courses to make this program more well-rounded and versatile for transfer students.	6 Type of Facilities Required: a. Lecture Space Needed: Current space is sufficient. b. Large Lecture Spaces Needed: Current space is sufficient. c. Laboratory Space Needed: None d. Technology Required: Updating of current technology. e. Other Special Needs: f. Offices for: i. Faculty 4 ii. Secretarial Staff iii. Technical Staff iv. Administrators v. Other
		7 Additional Comments Regarding Facility Needs

DRAFT PROJECTED GROWTH PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
English, Communications and World Languages	1 Number of Full-time Faculty 10	1 Number of Full-time Faculty Needed 20
Program Name		
English/ESOL	2 Number of Adjunct Faculty 25	2 Number of Adjunct Faculty Needed 50 (primarily contract counselor overload)
	3 FTEF of Adjunct Faculty 10	3 FTEF of Adjunct Faculty 20.00
	4 Size of Program in FTES 364.9	4 Size of Program in FTES 839.3
	5 Description of Program: The English/ESOL department comprises three areas: Basic skills reading and writing, transfer composition and literature, and ESOL, offering about 75 class sections per semester.	5 Description of Program: Traditional academic program offering approximately 150 class sections per semester in the areas of English and ESOL..
	6 Barriers to Growth of Program Too few full-time faculty; too few classrooms; not enough funding to expand course offerings (such as in literature and creative writing);	6 Type of Facilities Required: a. Lecture Space Needed: Twelve 35-student capacity general lecture rooms. b. Large Lecture Spaces Needed: c. Laboratory Space Needed: Lab space needed for ESOL students to practice listening and speaking skills. Space for an English writing center. d. Technology Required: Smart rooms including ceiling-mounted projection units, document cameras, wireless connection. . . e. Other Special Needs: Lab space for tutoring/academic support for English/ESOL students. f. Offices for: i. Faculty ii. Secretarial Staff iii. Technical Staff iv. Administrators v. Other
		20
		7 Additional Comments Regarding Facility Needs

DRAFT PROJECTED GROWTH PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Arts and Humanities	<p>1 Number of Full-time Faculty 2</p>	<p>1 Number of Full-time Faculty Needed 5</p>
Program Name		
Humanities	<p>2 Number of Adjunct Faculty 3</p> <p>3 FTEF of Adjunct Faculty 1.00</p> <p>4 Size of Program in FTES 60.74</p> <p>5 Description of Program: This Program offers an Associate in Arts Degree/ Human Studies. It offers students a broad interdisciplinary understanding of humankind's cultural heritage. This study includes: History, literature, philosophy, religion, and the arts.</p> <p>6 Barriers to Growth of Program More full-time faculty are needed to create and teach upper level courses to expand this program.</p>	<p>2 Number of Adjunct Faculty Needed 6</p> <p>3 FTEF of Adjunct Faculty 2.00</p> <p>4 Size of Program in FTES 139.70</p> <p>5 Description of Program: Future Program would include expanded course offerings in all areas of study, especially upper level courses. Course sections would increase from 19 sections to 45 sections.</p> <p>6 Type of Facilities Required:</p> <p>a. Lecture Space Needed: Current space is sufficient.</p> <p>b. Large Lecture Spaces Needed: Current space is sufficient.</p> <p>c. Laboratory Space Needed: None</p> <p>d. Technology Required: Updates from current technology.</p> <p>e. Other Special Needs:</p> <p>f. Offices for:</p> <p style="margin-left: 20px;">i. Faculty 5</p> <p style="margin-left: 20px;">ii. Secretarial Staff 0</p> <p style="margin-left: 20px;">iii. Technical Staff</p> <p style="margin-left: 20px;">iv. Administrators</p> <p style="margin-left: 20px;">v. Other</p> <p>7 Additional Comments Regarding Facility Needs</p>

DRAFT PROJECTED GROWTH PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Arts and Humanities	<p>1 Number of Full-time Faculty 2</p>	<p>1 Number of Full-time Faculty Needed 4</p>
Program Name		
Music	<p>2 Number of Adjunct Faculty 1</p> <p>3 FTEF of Adjunct Faculty 0.40</p> <p>4 Size of Program in FTES 71.88</p> <p>5 Description of Program: This Program offers a Certificate of Performance/Music Production and Engineering, and an Associate in Arts Degree/Music Studies. It is designed to provide students with the basic skills for engineering, recording, mixing, and producing music for various music and audio industry</p> <p>6 Barriers to Growth of Program More full-time faculty will be needed to create and offer upper level courses to make this program more well-rounded and versatile for transfer students.</p>	<p>2 Number of Adjunct Faculty Needed 3</p> <p>3 FTEF of Adjunct Faculty 0.80</p> <p>4 Size of Program in FTES 165.3</p> <p>5 Description of Program: The future program will be a greatly expanded version of the current program including instrument training, and performance training. The number of sections will increase from the current 15 sections to 42 sections.</p> <p>6 Type of Facilities Required:</p> <p>a. Lecture Space Needed: Current space is sufficient.</p> <p>b. Large Lecture Spaces Needed: Current space is sufficient.</p> <p>c. Laboratory Space Needed: Current space is sufficient.</p> <p>d. Technology Required: Updates to current technology.</p> <p>e. Other Special Needs:</p> <p>f. Offices for:</p> <p style="margin-left: 20px;">i. Faculty 4</p> <p style="margin-left: 20px;">ii. Secretarial Staff</p> <p style="margin-left: 20px;">iii. Technical Staff</p> <p style="margin-left: 20px;">iv. Administrators</p> <p style="margin-left: 20px;">v. Other</p> <p>7 Additional Comments Regarding Facility Needs</p>

DRAFT PROJECTED GROWTH PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Social and Behavioral Sciences		
Program Name		
Psychology	<p>1 Number of Full-time Faculty 1</p> <p>2 Number of Adjunct Faculty 7</p> <p>3 FTEF of Adjunct Faculty 2.8</p> <p>4 Size of Program in FTES 173.3</p> <p>5 Description of Program: This Program offers an Associate in Arts Degree/Psychology. It is intended to act as a foundation for further studies in psychology and other behavioral sciences, be a versatile and useful course to satisfy general education requirements for four-year colleges and universities,</p> <p>6 Barriers to Growth of Program More full-time faculty will be needed to create and offer upper level courses to make this program more well-rounded and versatile for transfer students.</p>	<p>1 Number of Full-time Faculty Needed 3</p> <p>2 Number of Adjunct Faculty Needed 14</p> <p>3 FTEF of Adjunct Faculty 5.60</p> <p>4 Size of Program in FTES 398.5</p> <p>5 Description of Program: Future Program would include expanded course offerings in all areas of study, especially upper level courses. Course sections would increase from 23 sections to 45 sections.</p> <p>6 Type of Facilities Required:</p> <p>a. Lecture Space Needed: Current space is sufficient.</p> <p>b. Large Lecture Spaces Needed: Current space is sufficient.</p> <p>c. Laboratory Space Needed: Current space is sufficient.</p> <p>d. Technology Required: Updating current technology as needed.</p> <p>e. Other Special Needs:</p> <p>f. Offices for:</p> <p style="margin-left: 20px;">i. Faculty 3</p> <p style="margin-left: 20px;">ii. Secretarial Staff</p> <p style="margin-left: 20px;">iii. Technical Staff</p> <p style="margin-left: 20px;">iv. Administrators</p> <p style="margin-left: 20px;">v. Other</p> <p>7 Additional Comments Regarding Facility Needs</p>

DRAFT PROJECTED GROWTH PLAN

Department Name	Present Program Highlights		Program Envisioned for a College of 25,000 Students	
Social and Behavioral Sciences	1 Number of Full-time Faculty	4	1 Number of Full-time Faculty Needed	8
Program Name	2 Number of Adjunct Faculty	20	2 Number of Adjunct Faculty Needed	40
Social and Behavioral Sciences	3 FTEF of Adjunct Faculty	6.00	3 FTEF of Adjunct Faculty	12.00
	4 Size of Program in FTES	88.23	4 Size of Program in FTES	202.9
	5 Classified Staff FTE		5 Classified Staff FTE Needed	
	6 Description of Program:		6 Description of Program:	
	This Program offers an Associate in Arts Degree/Social and Behavioral Sciences. It is intended to be a multi-disciplinary field that provides students with the methods and concepts necessary to understand human behavior in a social setting. It offers a broad and versatile array of general education courses for transfer students. It includes History, Political Science, Anthropology, Geography, and Sociology.		Future Program would include expanded course offerings in all areas of study, especially upper level courses. Course sections would increase from 61 sections to 100 sections.	
	7 Barriers to Growth of Program		7 Type of Facilities Required:	
	More full-time faculty will be needed to create and offer upper level courses to make this program more well-rounded and versatile for transfer students.		a. Lecture Space Needed:	
			Current Space is Sufficient.	
			b. Large Lecture Spaces Needed:	
			Current Space is Sufficient.	
			c. Laboratory Space Needed:	
			Current Space is Sufficient.	
			d. Technology Required:	
			Updating current technology as needed.	
			e. Other Special Needs:	
			f. Offices for:	
			i. Faculty	8
			ii. Secretarial Staff	
			iii. Technical Staff	
			iv. Administrators	
			v. Other	
			8 Additional Comments Regarding Facility Needs	

DRAFT PROJECTED GROWTH PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
English, Communications and World Languages	<p>1 Number of Full-time Faculty 2</p>	<p>1 Number of Full-time Faculty Needed 5</p>
Program Name		
World Language Studies	<p>2 Number of Adjunct Faculty 9</p> <p>3 FTEF of Adjunct Faculty 4.00</p> <p>4 Size of Program in FTES 139.1</p> <p>5 Description of Program: This Program offers an Associate in Arts Degree/World Language Studies. It is intended help students build communication skills, meet baccalaureate degree language requirements, satisfy general education requirements, and broaden career opportunities.</p> <p>6 Barriers to Growth of Program More full-time faculty are needed to create and teach upper level courses to expand this program.</p>	<p>2 Number of Adjunct Faculty Needed 18</p> <p>3 FTEF of Adjunct Faculty 8.00</p> <p>4 Size of Program in FTES 319.8</p> <p>5 Description of Program: Future Program would include expanded course offerings in all areas of study, especially upper level courses. Course sections would increase from 20sections to 36 sections.</p> <p>6 Type of Facilities Required:</p> <p>a. Lecture Space Needed: Current space is sufficient.</p> <p>b. Large Lecture Spaces Needed: Current space is sufficient.</p> <p>c. Laboratory Space Needed: None</p> <p>d. Technology Required: Update current technology as needed.</p> <p>e. Other Special Needs:</p> <p>f. Offices for:</p> <p>i. Faculty 5</p> <p>ii. Secretarial Staff</p> <p>iii. Technical Staff</p> <p>iv. Administrators</p> <p>v. Other</p> <p>7 Additional Comments Regarding Facility Needs</p>

DRAFT PROJECTED GROWTH PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Library & Technology		
Program Name		
Audiovisual	<p>1 Number of Full-time Faculty 0</p> <p>2 Number of Adjunct Faculty 0</p> <p>3 Adjunct Faculty FTEF 0</p> <p>4 Size of Program in FTES 0</p> <p>5 Classified Staff FTE 3</p> <p>6 Description of Program: The Audiovisual Department supports all campus and off campus media equipment.</p> <p>7 Barriers to Growth of Program The current facility does not allow for growth of the program</p>	<p>1 Number of Full-time Faculty Needed 1</p> <p>2 Number of Full-time Staff Needed 7</p> <p>3 Adjunct Faculty FTEF Needed 0.00</p> <p>4 Size of Program in FTES 0</p> <p>Classified Staff FTE Needed 7</p> <p>6 Description of Program: The Audiovisual Department, due to the additional staff is able to offer production support for the campus.</p> <p>7 Type of Facilities Required:</p> <p>a. Lecture Space Needed: None</p> <p>b. Large Lecture Spaces Needed: None</p> <p>c. Laboratory Space Needed: None</p> <p>d. Technology Required: Continual upgrading of computers and software in the department</p> <p>e. Other Special Needs: New LLRC will provide the additional space that is</p> <p>f. Offices for:</p> <p style="margin-left: 20px;">i. Faculty 0</p> <p style="margin-left: 20px;">ii. Secretarial Staff 0</p> <p style="margin-left: 20px;">iii. Technical Staff 0</p> <p style="margin-left: 20px;">iv. Administrators 0</p> <p style="margin-left: 20px;">v. Other</p> <p>Additional Comments Regarding</p> <p>8 Facility Needs Additional classified staff is needed to support the growing campus. An AV librarian would be needed also.</p>

DRAFT PROJECTED GROWTH PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Library & Technology		
Program Name		
ICS		
	1 Number of Full-time Faculty 0	1 Number of Full Time Staff Needed
	2 Number of Adjunct Faculty 0	2 Number of Classified Hourly Staff 4
	3 Adjunct Faculty FTEF 0	3 Adjunct Faculty FTEF Needed 0.00
	4 Size of Program in FTES 0	4 Size of Program in FTES 0
	5 Classified Staff FTE 3	Classified Staff FTE Needed 5
	6 Description of Program: Instructional Computing Support Services is the technology support for all classroom, lab and student computer areas.	6 Description of Program: Instructional Computing Support Services is the day, evening and weekend support for all student use computer areas on campus.
	7 Barriers to Growth of Program The current facility does not allow for growth of the program	7 Type of Facilities Required: a. Lecture Space Needed: None b. Large Lecture Spaces Needed: None c. Laboratory Space Needed: None d. Technology Required: Continual upgrading of computers and software in the department e. Other Special Needs: f. Offices for: i. Faculty 0 ii. Secretarial Staff 0 iii. Technical Staff 0 iv. Administrators 0 v. Other
		Additional Comments Regarding 8 Facility Needs Additional Staff is needed to maintain the support of the campus.

DRAFT PROJECTED GROWTH PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Library & Technology		
Program Name		
ILC		
	1 Number of Full-time Faculty 0	1 Number of Full-time Faculty Needed 0
	2 Number of Adjunct Faculty 0	2 Number of Full Time Staff Needed 4
	3 Adjunct Faculty FTEF 0	3 Adjunct Faculty FTEF Needed 0.00
	4 Size of Program in FTES 0	4 Size of Program in FTES 0
	5 Classified Staff FTE 2.6	Classified Staff FTE Needed 3.4
	6 Description of Program: The ILC is the one open student computer lab on campus.	6 Description of Program: The new LLRC has provided the space and opportunity for the ILC to be open Monday - Saturday. The additional staffing makes coverage in the evening and on Saturday possible.
	7 Barriers to Growth of Program The current facility does not allow for growth of the program	7 Type of Facilities Required: a. Lecture Space Needed: None b. Large Lecture Spaces Needed: None c. Laboratory Space Needed: None d. Technology Required: Continual upgrading of computers and software in the department e. Other Special Needs: f. Offices for: i. Faculty 0 ii. Secretarial Staff 0 iii. Technical Staff 0 iv. Administrators 0 v. Other
		Additional Comments Regarding 8 Facility Needs The LLRC has provided the space needed for the department's expansion.

DRAFT PROJECTED GROWTH PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Library & Technology		
Program Name		
Library	<p>1 Number of Full-time Faculty 2</p> <p>2 Number of Adjunct Faculty 3</p> <p>3 Adjunct Faculty FTEF 0.6</p> <p>4 Size of Program in FTES 0</p> <p>5 Classified Staff FTE 2.9</p> <p>6 Description of Program: The Library Department is the instructional support for both students and faculty.</p> <p>7 Barriers to Growth of Program The current facility does not allow for growth of the program</p>	<p>1 Number of Full-time Faculty Needed 5</p> <p>2 Number of Adjunct Faculty Needed 5</p> <p>3 Adjunct Faculty FTEF Needed 2.00</p> <p>4 Size of Program in FTES </p> <p>5 Classified Staff FTE Needed 5.1</p> <p>6 Description of Program: The Library consists of 5 full time contract librarians and 5 adjunct to cover the Reference Desk and conduct the additional Library instructional classes that are scheduled in the two library computer classrooms.</p> <p>7 Type of Facilities Required:</p> <p>a. Lecture Space Needed: Will be provided in new LLRC.</p> <p>b. Large Lecture Spaces Needed: None</p> <p>c. Laboratory Space Needed: None</p> <p>d. Technology Required: Continual upgrading of computers and software in the department</p> <p>e. Other Special Needs:</p> <p>f. Offices for:</p> <p style="margin-left: 20px;">i. Faculty 0</p> <p style="margin-left: 20px;">ii. Secretarial Staff 0</p> <p style="margin-left: 20px;">iii. Technical Staff 0</p> <p style="margin-left: 20px;">iv. Administrators 0</p> <p style="margin-left: 20px;">v. Other 0</p> <p style="text-align: center;">Additional Comments Regarding</p> <p>8 Facility Needs Additional classified staffing is needed for departmental coverage for the expanded hours of operation.</p>

DRAFT PROJECTED GROWTH PLAN

Department Name	Present Program Highlights		Program Envisioned for a College of 25,000 Students
Library & Technology			
Program Name			
The PLACe	<p>1 Number of Full-time Faculty 1</p> <p>2 Number of Adjunct Faculty 2</p> <p>3 Adjunct Faculty FTEF 0.94</p> <p>4 Size of Program in FTES 0</p> <p>5 Classified Staff FTE 1</p> <p>6 Description of Program: The PLACe is currently the tutoring center for the campus.</p> <p>7 Barriers to Growth of Program The current facility does not allow for growth of the program</p>	<p>1 Number of Full-time Faculty Needed 1</p> <p>2 Number of Adjunct Faculty Needed 2</p> <p>3 Adjunct Faculty FTEF Needed 0.94</p> <p>4 Number of Staff Needed 3</p> <p>Classified Staff FTE Needed 3</p> <p>6 Description of Program: The PLACe has centralized the processing of the hiring, training and oversight of all tutors on campus. The department has expanded the services to students and hours that it is open.</p> <p>7 Type of Facilities Required: a. Lecture Space Needed: None b. Large Lecture Spaces Needed: None c. Laboratory Space Needed: None d. Technology Required: Continual upgrading of computers and software in the department e. Other Special Needs: f. Offices for: i. Faculty 0 ii. Secretarial Staff 0 iii. Technical Staff 0 iv. Administrators 0 v. Other 0</p> <p>Additional Comments Regarding 8 Facility Needs Additional classified staff is needed to support the expanded program and hours. Also to support proposed centralized hiring of all campus tutors, training and managing submittal of paperwork and timecards.</p>	

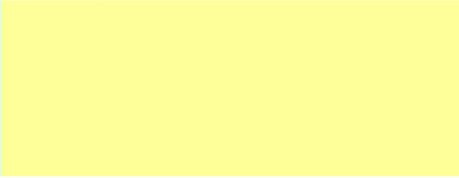
DRAFT PROJECTED GROWTH PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students										
Fire Protection Technology	<p>1 Number of Full-time Faculty 5</p> <p>One Fire Tech position is currently in the hiring phase. One EMT position on long-term leave.</p>	<p>1 Number of Full-time Faculty Needed 15</p>										
Program Name												
Fire Technology	<p>2 Number of Adjunct Faculty 36</p>	<p>2 Number of Adjunct Faculty Needed 60</p>										
Emergency Medical Technician	<p>3 FTEF of Adjunct Faculty 7.80</p>	<p>3 FTEF of Adjunct Faculty 15.00</p>										
Fire Academy	<p>4 Size of Program in FTES 745</p> <p>5 Classified Staff FTE</p>	<p>4 Size of Program in FTES 1100</p> <p>5 Classified Staff FTE Needed</p>										
	<p>6 Description of Program:</p> <p>The Fire Protection Technology department offers programs in a wide range of subject areas related to careers in the fields associated with the technology of fire protection, emergency medical training, rescue, and public safety employment. This program provides theory and training necessary for successful performance in a variety of settings and positions. Emphasis is placed on modern methods of fire prevention, fire suppression, fire service management, and public safety. Public and private fire protection systems, life safety of fire service personnel and civilians, protection of property through the application of code enforcement, and the increasing problems of hazardous materials, emergency medical services, rescue, urban interface, and arson is studied. NOTE: A large portion of FTES is generated by Instructional Services Agreements. These do not use any FTEF and an increase in college student population has no direct impact on their anticipated growth.</p>	<p>6 Description of Program:</p> <p>A future comprehensive paramedic certificate program is available serving students from agencies in the general San Diego and central San Diego County region. Selected studies emphasizing critical incident management in matters related to terrorism/bioterrorism events. A Regional Fire Academy is available for students interested in pursuing a career in the fire services. This academy meets state and local training requirements.</p>										
	<p>7 Barriers to Growth of Program</p> <p>The lack of lecture/lab classroom space is the primary barrier to growth for this program.</p>	<p>7</p> <p>a. Lecture Space Needed: 15 dedicated classrooms for lecture to accommodate 45 students each.</p> <p>b. Large Lecture Spaces Needed: One large classroom to accommodate 100 students.</p> <p>c. Laboratory Space Needed:</p> <ol style="list-style-type: none"> 1. 5 lab facilities for EMT/Paramedic skills testing. 2. Outdoor site for Fire Tech manipulative skills training. 3. 1 fire training tower 4. 1 fire simulator 5. 1 computer lab to accommodate 50 students. <p>d. Technology Required:</p> <p>e. Other Special Needs: Adequate storage for firefighting/EMT equipment.</p> <p>f. Offices for:</p> <table style="width: 100%; border: none;"> <tr> <td style="padding-left: 20px;">i. Faculty</td> <td style="text-align: right;">15</td> </tr> <tr> <td style="padding-left: 20px;">ii. Secretarial Staff</td> <td style="text-align: right;">2</td> </tr> <tr> <td style="padding-left: 20px;">iii. Technical Staff (Lab Techs)</td> <td style="text-align: right;">4</td> </tr> <tr> <td style="padding-left: 20px;">iv. Administrators</td> <td style="text-align: right;">1</td> </tr> <tr> <td style="padding-left: 20px;">v. Other</td> <td></td> </tr> </table>	i. Faculty	15	ii. Secretarial Staff	2	iii. Technical Staff (Lab Techs)	4	iv. Administrators	1	v. Other	
i. Faculty	15											
ii. Secretarial Staff	2											
iii. Technical Staff (Lab Techs)	4											
iv. Administrators	1											
v. Other												

Fire Tech, EMT, and Legal Assistant
 Fire Technology, Emergency Med Tech, and Fire Academy



**Additional Comments Regarding
8 Facility Needs**



DRAFT PROJECTED GROWTH PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Administration of Justice Military Leadership Studies	<p>1 Number of Full-time Faculty 2</p>	<p>1 Number of Full-time Faculty Needed 6</p>
Program Name		
Administration of Justice Regional Law Enforcement Training Center	<p>2 Number of Adjunct Faculty 15</p> <p>3 FTEF of Adjunct Faculty 7</p> <p>4 Size of Program in FTES 884</p> <p>5 Description of Program: The Administration of Justice Department at Miramar College is an educational entity delivering instructional courses in two formats. One format addresses educational needs for students who wish to pursue careers in law enforcement, corrections or probation fields. Degrees and certificates are offered in a traditional semester format or through SDCCD Online. The second format is available for those students who are actively employed or those who wish to attend courses delivered in a nontraditional format. The law enforcement courses are offered in an intense structure where students attend courses 8 hours daily, 40 hours per week. The Regional Academy at Miramar College serves 18 municipalities and the County of San Diego and is known as the Regional Pubic Safety Institute. Other courses are delivered in an intense format to address mandated advanced course work or other continuous professional education requirements.</p>	<p>2 Number of Adjunct Faculty Needed 45</p> <p>3 FTEF of Adjunct Faculty (per semester) 21.00</p> <p>4 Size of Program in FTES 1200</p> <p>5 Description of Program: The Administration of Justice Department at Miramar College is an educational entity delivering instructional courses in two formats. One format addresses educational needs for students who wish to pursue careers in law enforcement, corrections, probation, parole or homeland security fields. Degrees and certificates are offered in a traditional and nontraditional semester format or through SDCCD Online. The second format is available for those students who are actively employed or those who wish to attend courses in a condensed nontraditional format. The law enforcement courses are offered in an intense structure where students attend courses 8 hours daily and in some cases, 40 hours per week. The Regional Academy at Miramar College serves 18 municipalities, the County of San Diego, numerous federal agencies and is known as the San Diego Regional Public Safety Institute. Other courses are delivered in an intense format to address mandated advanced course work or other continuous professional education requirements. NOTE: The academy and in-service portions of the ADJU program utilize several hundred part time adjuncts whose FTEF is not counted within adjunct faculty FTEF calculations.</p>
	<p>6 Barriers to Growth of Program The most significant barrier to program growth is absence of adequate classroom space and lab facilities.</p>	<p>6 Type of Facilities Required:</p> <p>a. Lecture Space Needed: 25 classrooms with a student capacity of 45 students</p> <p>b. Large Lecture Spaces Needed: 1 lecture room to accommodate 100 students.</p> <p>c. Laboratory Space Needed:</p> <ol style="list-style-type: none"> 1. 3 large rooms for defensive tactics training. 2. 2 fitness labs 3. 1 mock jail facility 4. 2 firearms training simulator room 5. 1 live fire firearms studio 6. 2 computer labs to accommodate 50 students each 7. 1 indoor firearms range with 40 shooting lanes.

DRAFT PROJECTED GROWTH PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
		<p>d. Technology Required:</p> <p>e. Other Special Needs:</p> <p>f. Offices for:</p> <ul style="list-style-type: none"> i. Faculty 6 ii. Secretarial Staff (to include agency staff) 10 iii. Technical Staff (60 agency staff) 60 iv. Administrators (to include agency staff) 8 v. Other <p>7 Additional Comments Regarding Facility Needs</p>

INSTRUCTIONAL MASTER PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Automotive & Diesel Tech	<p>1 Number of Full-time Faculty 3</p>	<p>1 Number of Full-time Faculty Needed 4</p>
Program Name		
Automotive Technology	<p>2 Number of Adjunct Faculty 2</p> <p>3 FTEF of Adjunct Faculty 1.391</p> <p>4 Size of Program in FTES 168 q</p> <p>5 Description of Program: The Automotive Program is a NATEF certified program of instruction. Students are provided classroom theory and extensive hands-on (shop) entry-level employment training as well as professional upgrading to persons in the automotive industry. The program provides all training required for state licenses as well as for each of the areas tested for the National Automotive Service Excellence certification. Present industry partners are Toyota and Honda.</p>	<p>2 Number of Adjunct Faculty Needed 3</p> <p>3 FTEF of Adjunct Faculty 1.80</p> <p>4 FTES 386.4</p> <p>5 Description of Program: In addition to the program as previously described, an expanded program would: add Nissan as an industry partner; fully lay out both our General Automotive Program; fully integrate our courses taught on high school campuses; and integrate our programs with ECC. It would also include offering certificate programs in smog control, advanced transportation and alternative fuels, and automotive service management.</p>
	<p>6 Barriers to Growth of Program The primary barriers to the growth of the automotive program at Miramar College are: 1) no weekend facility use or course offerings; 2) no smog control certificate program; 3) limited qualified contract and adjunct faculty; 4) insufficient computer and IT technology for program delivery; and 5) lack of program integration throughout District facilities.</p>	<p>6 Type of Facilities Required:</p> <p>a. Lecture Space Needed: The completion of the expansion of the automotive facilities should meet the basic facility needs for lecture.</p> <p>b. Large Lecture Spaces Needed: None</p> <p>c. Laboratory Space Needed: The expansion of the existing facility should need the basic laboratory needs.</p> <p>d. Technology Required: Substantially provided by industry partners.</p> <p>e. Other Special Needs: 1. All the classrooms should be "wired" (Internet, Intranet, and Multi-media projectors). 2. The labs should have "wired" workstations (Internet, Intranet, and Multi-media projectors as appropriate)</p> <p>f. Offices for:</p> <p style="margin-left: 20px;">i. Faculty</p> <p style="margin-left: 20px;">ii. Secretarial Staff</p> <p style="margin-left: 20px;">iii. Technical Staff</p> <p style="margin-left: 20px;">iv. Administrators</p> <p style="margin-left: 20px;">v. Other</p>

INSTRUCTIONAL MASTER PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
		<p data-bbox="938 195 1357 226">Additional Comments Regarding</p> <p data-bbox="889 226 1122 258">7 Facility Needs</p> <p data-bbox="915 258 1419 611">A full assessment of the present and planned automotive facilities within the San Diego Community College District AND an integrated administration of those facilities "could" potentially meet all the needs of an expanded program. In addition, such an integrated program could expand the capability of meeting industry needs in both the northern and southern portions of the county. It would also meet the needs in both geographic areas for general public education in the automotive field. Finally, such an assessment could also pave the way for additional programs such as a Motorcycle Technology Program.</p>

INSTRUCTIONAL MASTER PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Aeronautical & Aviation	<p>1 Number of Full-time Faculty 5</p>	<p>1 Number of Full-time Faculty Needed 10</p>
Program Name		
Aviation Maintenance	<p>2 Number of Adjunct Faculty 4</p> <p>3 FTEF of Adjunct Faculty 1.625</p> <p>4 Size of Program in FTES 163.5</p> <p>5 Description of Program: The Aviation Maintenance program provides aviation maintenance training. It prepares students for both the F.A.A. written and oral & practical exams. Miramar College is a Federal Aviation Regulation Part 147 approved Maintenance School. Certificated in 1961, our program is unique to San Diego County.</p>	<p>2 Number of Adjunct Faculty Needed 4</p> <p>3 FTEF of Adjunct Faculty 2.00</p> <p>4 Size of Program in FTES 375.96</p> <p>5 Description of Program: The Aviation Maintenance program will continue to provide quality aviation maintenance training. It will provide additional instruction in the specialized emerging areas of Avionics, Composites and Advanced Powerplant Technologies to become a state of the art maintenance training facility for the Southern California region. New technology training will also include unmanned aerial vehicle, sport aviation aircraft and renewable energy technologies - specifically wind and solar technologies.</p>
	<p>6 Barriers to Growth of Program</p> <p>A. FAA mandated 1900 hour training requirement limits opportunities for expansion in allied fields.</p> <p>B. A severely depressed aviation sector and economy is adversely affecting enrollment.</p> <p>C. Current budget outlook impedes hiring and the marketing/advertising and number of course offerings.</p> <p>D. Enrollments impacted by Military deployments.</p> <p>E. Present hiring constraints for both faculty and instructional staff.</p>	<p>6 Type of Facilities Required:</p> <p>a. Lecture Space Needed: The aviation program will benefit greatly from the approved facility remodel scheduled to break ground in May-June 2011. This is likely to cover lecture space needs.</p> <p>b. Large Lecture Spaces Needed: All classroom areas will allow for interior wall removal to double room size for special events such as the FAA sponsored IA seminars.</p> <p>c. Laboratory Space Needed: The remodel will provide for an additional technical demonstration room, dedicated advanced materials lab, and modern equipment needs. Training aid storage space incorporated in the remodel will promote a safer and less cluttered lab environment for students on the central hangar bay floor. Smart classroom computer/audio visual enhancements will compliment both existing and newly constructed demonstration rooms. The central hangar bay will be equipped with student accessible kiosk-style computer stations and wireless internet access. While the new facility will improve test cell operation and safety; it will not be able to meet full program needs. A full scale test cell will be needed either onsite, offsite, or in partnership with another organization to completely address all anticipated educational technical training needs.</p>

Aeronautical Aviation
Aviation Maintenance

INSTRUCTIONAL MASTER PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
		d. Technology Required: 1. All the classrooms should be "wired" (Internet, Intranet, and Multi-media projectors). 2. The labs should have "wired" workstations (Internet, Intranet, and Multi-media projectors as appropriate)

INSTRUCTIONAL MASTER PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
		<p>e. Other Special Needs:</p> <p>Because of the current budget allocation, the program suffers from the inability to hire a full-time evening instructional lab assistant, a departmental secretary and also from the inability to locate qualified adjunct faculty. The current budget allocation also limits the department from constructing or maintaining existing equipment on a timely basis. Lastly by the time of full build out the department will also have to be able to address the ongoing need for lab aids to support a FAA mandated student/instructor lab ratio.</p> <p>f. Offices for:</p> <ul style="list-style-type: none"> i. Faculty (1 for each Contract, and 1 shared for Adjuncts) 11 ii. Secretarial Staff (1 for Secretary/lab technician) 1 iii. Technical Staff <ul style="list-style-type: none"> a. 1 shared for the full-time tool crib attendants - days and evenings b. Additional lab aides as needed to meet FAA instructor/student rations c. Computing technology lab assistants to share with AVIA. 3 iv. Administrators (2 half-time: 1 Program Director and 1 Dept. Chair) 4 v. Other <p>7 Additional Comments Regarding Facility Needs</p>

INSTRUCTIONAL MASTER PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Aeronautical & Aviation	<p>1 Number of Full-time Faculty 0</p>	<p>1 Number of Full-time Faculty Needed 3</p>
Program Name		
Aviation Operations	<p>2 Number of Adjunct Faculty 4</p> <p>3 FTEF of Adjunct Faculty 1.00</p> <p>4 Size of Program in FTES 43.89</p> <p>5 Description of Program: The Aviation Operations program provides ground school instruction for all the primary pilot ratings, Private Pilot, Instrument Pilot, Commercial Pilot, and Certified Flight Instructor. It is a Federal Aviation Regulation Part 141 approved Ground School. This grants eligibility to students to take the F.A.A. written exams.</p> <p>6 Barriers to Growth of Program A. A severely depressed aviation sector and economy is adversely affecting enrollment. B. Current budget outlook will impede amount of money spent on marketing/advertising and number of course offerings. C. Enrollments impacted by Military deployments.</p>	<p>2 Number of Adjunct Faculty Needed 2</p> <p>3 FTEF of Adjunct Faculty 1.00</p> <p>4 Size of Program in FTES 101</p> <p>5 Description of Program: The Aviation Operations program currently provides ground school instruction for all the common pilot ratings, Private Pilot, Instrument Pilot, Commercial Pilot, and Certified Flight Instructor. It will eventually provide instruction for all pilot ratings and become a state of the art flight training facility for San Diego County.</p> <p>6 Type of Facilities Required: a. Lecture Space Needed: Facility expansion should meet most needs. b. Large Lecture Spaces Needed: None c. Laboratory Space Needed: This lab space would be shared with the Aviation Maintenance Program and will need to be doubled in size to accommodate both static and full motion simulators (around 50,000 sq. ft. of a 150,000 sq. ft. lab space). d. Technology Required: 1. All the classrooms should be "wired" (Internet, Intranet, and Multi-media projectors) 2. The labs should have "wired" workstations (Internet, Intranet, and Multi-media projectors as appropriate) e. Other Special Needs: 1. All labs should complement lecture spaces to include the equipment necessary for skills development 2. Separate locker rooms for men and women f. Offices for: i. Faculty (1 for each Contract, and 1 shared for AVIA Adjunct) 4 ii. Secretarial Staff (1 for Secretary/lab technician) 1 iii. Technical Staff (1 for the tool crib attendants - days and evenings) 1 iv. Administrators (1 full-time Program Director/Department Chair) 1 v. Other</p>

Aeronautical Aviation
Aviation Operations

INSTRUCTIONAL MASTER PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
		Additional Comments Regarding 7 Facility Needs Faculty Offices - to be wired for Internet access and project a professional climate to include marble counter tops and hardwood floors.

INSTRUCTIONAL MASTER PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students
Child Development	<p>1 Number of Full-time Faculty 3</p>	<p>1 Number of Full-time Faculty Needed 5</p>
Program Name		
Child Development	<p>2 Number of Adjunct Faculty 6</p> <p>3 FTEF of Adjunct Faculty 1.818</p> <p>4 Size of Program in FTES 117.6</p> <p>5 Description of Program: The Child Development program offers coursework, training and supervised practicum experiences to meet state licensing requirements for working in centers, schools, child care homes, and service related agencies. The child development lab, an integral part of the child development program, provides child development services to children, ages two - five years of age.</p>	<p>2 Number of Adjunct Faculty Needed 8</p> <p>3 FTEF of Adjunct Faculty 1.80</p> <p>4 Size of Program in FTES 270.6</p> <p>5 Description of Program: Same program with more sections to accommodate increased enrollment levels.</p>
	<p>6 Barriers to Growth of Program Facility limitation and staffing are the most critical barriers to growth. The child development lab has a present capacity for 48 children. The two college classrooms have a student capacity of 35 college students each. To increase our size, we would need additional children's classrooms and college classrooms. We would also need more contract faculty and classified staff (Child Development Lab Techs.).</p>	<p>6 Type of Facilities Required:</p> <p>a. Lecture Space Needed: An additional 3 or 4 classrooms</p> <p>b. Large Lecture Spaces Needed:</p> <p>c. Laboratory Space Needed: Lab to accommodate an additional two children's classrooms</p> <p>d. Technology Required: Additional 3 computers to accommodate extra faculty</p> <p>e. Other Special Needs: Staff room required by state licensing and Resource center for parents</p> <p>f. Offices for:</p> <p style="margin-left: 20px;">i. Faculty 3</p> <p style="margin-left: 20px;">ii. Secretarial Staff</p> <p style="margin-left: 20px;">iii. Technical Staff</p> <p style="margin-left: 20px;">(4 Child Dev Lab Techs) 5</p> <p style="margin-left: 20px;">iv. Administrators</p> <p style="margin-left: 20px;">v. Other</p>
		<p>7 Additional Comments Regarding Facility Needs</p>

INSTRUCTIONAL MASTER PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students	
Automotive & Diesel Tech			
Program Name			
Diesel Technology	<p>1 Number of Full-time Faculty 2</p> <p>2 Number of Adjunct Faculty 2</p> <p>3 FTEF of Adjunct Faculty 0.766</p> <p>4 Size of Program in FTES 61.63</p> <p>5 Description of Program: The Diesel Technology program provides the student with an opportunity to master the skills and knowledge required for success in servicing and maintaining diesel powered highway trucks, off-road heavy equipment, stationary engines, and marine craft. The two-year curriculum has three tracts which lead to a Certificate of Achievement, and three tracts which lead to an Associate in Science degree. In addition, the diesel program offers the Certificate of Completion in ten specialty areas. These certificates can be applied toward the Certificate of Achievement or the Associate in Science degree.</p> <p>6 Barriers to Growth of Program Safety and instructional considerations as well as the facility size are the major limitations to current classes. Lack of full-time teaching assistant/tool room person.</p>	<p>1 Number of Full-time Faculty Needed 3</p> <p>2 Number of Adjunct Faculty Needed 3</p> <p>3 FTEF of Adjunct Faculty 0.90</p> <p>4 Size of Program in FTES 141.8</p> <p>5 Description of Program: In addition to the Present Program Highlights, the program will address courses and even certificate programs in new and developing technologies, including natural gas engine and hybrid systems technologies. Finally it will also address technological changes in heavy duty vehicle pollution control technology..</p> <p>6 Type of Facilities Required: a. Lecture Space Needed: Present expansion should cover space needs. b. Large Lecture Spaces Needed: None c. Laboratory Space Needed: Present expansion should cover space needs. d. Technology Required: Special tooling and appropriate vehicles (both truck and heavy equipment). This will include alternative fuel and hybrid vehicle technology. e. Other Special Needs: 1. All the classrooms should be "wired" (Internet, Intranet, and Multi-media projectors). 2. The labs should have "wired" workstations (Internet, Intranet, and Multi-media projectors as appropriate) 3. Instructional Lab Techs f. Offices for: i. Faculty ii. Secretarial Staff iii. Technical Staff iv. Administrators v. Other</p> <p>7 Facility Needs Technical Staff - need one full-time instructional assistant and tool room person.</p>	2
Automotive Diesel Technology			
Diesel Technology			

INSTRUCTIONAL MASTER PLAN

Department Name	Present Program Highlights	Program Envisioned for a College of 25,000 Students	
Automotive & Diesel Tech	<p>1 Number of Full-time Faculty 0</p>	<p>1 Number of Full-time Faculty Needed 1</p>	
Program Name			
Motorcycle Technology	<p>2 Number of Adjunct Faculty 0</p> <p>3 FTEF of Adjunct Faculty 0</p> <p>4 Size of Program in FTES 0</p> <p>5 Description of Program: Curriculum developed and approved; however, no ongoing program exists</p>	<p>2 Number of Adjunct Faculty Needed 2</p> <p>3 FTEF of Adjunct Faculty 1.20</p> <p>4 Size of Program in FTES 24</p> <p>5 Description of Program: The program consists of 32 units of motorcycle specific training, lecture and lab. It prepares a student for entry-level employment that will lead to advancement within the industry. After successful completion of the 32 units, the student is awarded the College Motorcycle Career Certificate. Potential industry partners would include Honda, Yamaha and Suzuki.</p>	
	<p>6 Barriers to Growth of Program The primary barriers to developing a motorcycle technology program on the Miramar campus are available facilities and not yet having established industry partners.</p>	<p>6 Type of Facilities Required:</p> <p>a. Lecture Space Needed: One 20-30 seat classroom</p> <p>b. Large Lecture Spaces Needed: None</p> <p>c. Laboratory Space Needed: Estimated that approx. 5,000 to 6,000 sq. ft. needed for lab, dyno room, clean room, storage, and 2-3 offices.</p> <p>d. Technology Required: Substantially provided by industry partners.</p> <p>e. Other Special Needs:</p>	
		<p>f. Offices for:</p> <p>i. Faculty 2-3</p> <p>ii. Secretarial Staff 0</p> <p>iii. Technical Staff 1</p> <p>iv. Administrators</p> <p>v. Other</p>	
		<p>Additional Comments Regarding</p> <p>7 Facility Needs A full assessment of the present and planned automotive facilities within the San Diego Community College District could potentially meet all the needs of a motorcycle program.</p>	