PERFORMANCE SUMMARY Welding (WELD)							
	Actual Performance Levels (indicates population met and/or exceeded goal)						
Years	1P1	1P2	2P1	3P1	3P2	4P1	4P2
1999-2000	N/A	100.00%	0.00%	N/A	N/A	14.29%	N/A
2000-2001	N/A	100.00%	0.00%	N/A	N/A	28.57%	N/A
2001-2002	N/A	N/A	N/A	N/A	N/A	0.00%	N/A
2002-2003	N/A	N/A	N/A	N/A	N/A	0.00%	N/A
2003-2004	N/A	N/A	N/A	N/A	N/A	14.29%	N/A

Sporadic data in WELD is attributed to the program primarily serving the needs of AMT and BLDM students who need WELD 19BCD course modules for their program requirements. Due to budget constraints and very high operational expenses, the program has not been able to offer all of its course requirements that would lead to certificates and degree.

Construction Technology Draft 10/25/05								
Program by Semester				Associate in Applied Science Degree (AAS) 64-66 Credits				
Fall Semester					Spring Semester			
CARP	20	Basic Const Skills	3		CARP	41	Framing, Ext Finish	3
MAIN	20	Intro to Bldg Maint	2		MAIN	40	Painting & Decorating	2
ENRG	101	Intro to Sus Tech	3		BLPRT	22	Blprt Rdg & Drfting	3
ELEC	20	Intro to Electricity	3		ENRG	103	Energy Production Sys	3
OSH	20	OSHA	1		AEC	114	Intro to Archicad	3
HLTH	31	First Aid and Safety	1		ENG 55 or higher			3
MATH	50T (2) 50Y(1)		3					
			16					17
Fall Semester					Spring Semester			
CARP	43	Int. Finish & Cabinets	3		COOP	193V	Internship Const Tech	2
MAIN	30	Masonry	2		MAIN	70	Preventive Maintenance	2
COOP	193V	Internship Const Tech	2		ELEC	23	Electrical Wiring I	2
MAIN	60	Small Equip Repair	2		Elective Main 65 Air Conditioning & Refrig			2
Weld	19B/19D	Welding for Trades	2		Elective Natural Science			3
MAIN	50	Plumbing	2		Elective Social Science			3
COM 145 or Speech 1			3		Elective Humanities			3
			16					15-17
Certificates of Completion								
Basic Carpentry Skills: 9 credits								
CARP 20 (3 credits), CARP 41 (3 credits), CARP 43 (3 credits)								
Electrical Maintenance: 5 credits								
ELEC 20 (3 credits), ELEC 23 (2 credits)								
Maintenance Painting: 4 credits								
MAIN 20 (2credits), MAIN 40 (2 credits)								
Small Equipment Repair: 6 credits								
ELEC 23 (2 credits), MAIN 20 (2 credits), MAIN 60 (2 credits)								
Maintenance Plumbing: 4 credits								
MAIN 20 (2 credits), MAIN 50 (2 credits)								

PROGRAM REVIEW REPORT
MAUI COMMUNITY COLLEGE

Associate in Applied Science Carpentry Technology

College Mission Statement

Maui Community College is a learning-Centered institution that provides affordable, high quality credit and non-credit educational opportunities to a diverse community of lifelong learners.

Program Mission Statement

Carpentry Technology is an Associate in Applied Science degree program that covers the principles of building construction. It is designed to prepare students for employment as a Carpenter, focusing on the knowledge, attitudes, and skills necessary for success in residential and commercial construction.

Part I
Executive Summary of Program Status

There is a demand for qualified construction workers in the State as a result of a construction boom in Hawaii. All construction trades are reporting the need for more workers and are hiring those with bare minimum skills without any further training. The union apprenticeship programs are also feeling the impact because jobs are available without formal training during this building boom.

Response to Previous Program Review Recommendations

There is an ever-changing demand for qualified workers in all areas of construction. Over the next five years we plan to combine the existing five construction related programs being offered on campus into one AAS in Construction Technology: Building Maintenance, Carpentry, Drafting, Sustainable Technology and Welding.

This program will provide the necessary beginning level training to provide an introduction to the building trades and a chance for beginners to experience each of the trades to determine which area they wish to continue.

Part II
Program Description

The Carpentry Technology program is a comprehensive two-year course of study and training with emphasis towards employment in the construction industry.

History

The program was established in the days of the Maui Technical School and transferred to the University of Hawaii Community College system in 1966. The late 1980's were a period of accelerated construction that caused a decline in Carpentry majors desiring to complete the program in two years, because the apprenticeship program began recruiting students. The graduation rate has not increased because of the part-time status of a majority of students who enroll.

Program Goals/Occupations

Carpenters are employed in almost every type of construction activity. It is an occupation requiring the ability to layout, cut, join, and shape wood and other materials to form a quality project. Graduation from this program provides an excellent entry level for those desiring to work in the field and/or enter the carpentry apprenticeship program.

Program SLOs

Practice all appropriate safety precautions on the job-protect yourself, your coworkers, and the job site.

Stay current with new technology.

Conduct yourself on the job with a high degree of professionalism.

Demonstrate proficiency in content areas.

Admission Requirements

Placement at English 55 and Math 22 or Higher

Faculty and Staff

Don Ainsworth, Assistant Professor BEd, MEd, Colorado State University

Advisory Committee

Thomas Arisumi, Arisumi Brothers
Mark S. Beauchamp, General Contractor
Joel W. Chapman, Aloha Builders
Clement Enomoto, Maui County Building Examiner
Marvin Tengan, MCC Apprenticeship Coordinator
Alvin M. Yoshimori, GYA Architects

Part III. Quantitative Indicators for Program Review

Current and Projected Positions in the Occupation

There is a demand for qualified construction workers. Estimates of employment in construction and construction related jobs in 2004 were approximately 42,600 and are projected to grow by nearly 10% to over 46,400 jobs by 2012. In addition to needing to fill about 480 jobs per year due to growth of the sector, we need to fill approximately 700 jobs per year as replacement for existing workers who are expected to leave their current positions. The total of 1,180 jobs per year to fill does not reflect the potential for job growth presented by the significant increase in federal government investment in modernizing military facilities and new state and private investments committed to the development of rail transit, the life sciences complex in Kaka`ako, and the continued demand for housing.

The shortage of construction employees has been made even more evident with the current building boom in Hawai'i. On Oahu trade unions, industry organizations, and employers have all stated that there are no available bodies – "the benches are empty". And, on the neighbor islands many of the apprenticeship programs are empty because workers are needed on the job.

Although, occupations in construction are well paying, averaging $53,000 per year including fringe benefits, most are difficult to fill quickly since they require the development of complex skills and knowledge, usually through long-term or moderate-term on-the-job training and apprenticeships.

While figures for industry shortages may vary slightly, below is one organization's projection on the number of employees needed on an annual basis[1]:

	Needed Annually	Average Earnings
Carpenters	182	$55,000
Electricians	150	$66,000
Laborers	150	$45,000
Painters	90	$46,000
Plumbers	78	$56,000
Operating Engineers	50	$68,000
Sheet Metal	40	$70,000
Total Industry Shortage	740	

Performance Summary

Performance Summary Carpentry Technology (CARP)							
Year	Actual Performance Levels (indicates population met and/or exceeded goals)						
	1P1	1P2	2P1	3P1	3P2	4P1	4P2
1999-2000	75.00%	100.00%	40.00%	0.00%	N/A	16.67%	0.00%
2000-2001	100.00%	100.00%	16.67%	50.00%	100.00%	16.67%	0.00%
2001-2002	100.00%	100.00%	0.00%	100.00%	0.00%	14.81%	N/A
2002-2003	33.33%	75.00%	0.00%	N/A	N/A	23.53%	N/A
2003-2004	100.00%	100.00%	0.00%	N/A	N/A	14.29%	0.00%

The CARP program has been typically a low enrollment program. Because of this, all the indicators are affected greatly if a student is not counted. Most CARP students are not full-time and register for only one or two courses. Also, students do not enroll in the recommended series of courses per semester. Consequently, students are not able to graduate within 2 years possibly bringing the 2P1 indicators down. The 1P2 indicator has been met/exceeded over the five year period. This is possible since many of the students are able to take part on hands on projects, allowing for good performance on vocational skills. Because of low 2P1 performance numbers this in turn has an impact on the 3P1 and 3P2 indicators.

The CARP program stopped new enrollments in 2002-2003 when it underwent a major curriculum revision. Data for that year reflects continuing students who were accommodated with CARP courses needed for them to complete their program requirements. Having lecturers teach these courses affected student retention and completion. Lecturers are not as accessible and available for students needing assistance outside of scheduled class times as are regular full-time faculty.

PROGRAM REVIEW REPORT
MAUI COMMUNITY COLLEGE

Certificate of Achievement Drafting

College Mission Statement

Maui Community College is a learning-Centered institution that provides affordable, high quality credit and non-credit educational opportunities to a diverse community of lifelong learners.

Program Mission Statement

Drafting Technology is an Certificate of Achievement program that covers the principles of architectural drafting. It is designed to prepare students for employment as a Drafter, focusing on the knowledge, attitudes, and skills necessary for success in residential and commercial construction.

Part I
Executive Summary of Program Status

There is a demand for qualified architectural drafters in the State as a result of a construction boom in Hawaii. All construction trades are reporting the need for more workers and are hiring those with minimum skills without any further training.

Response to Previous Program Review Recommendations

There is an ever-changing demand for qualified workers in all areas of construction. Over the next five years we plan to combine the existing five construction related programs being offered on campus into one AAS in Construction Technology: Building Maintenance, Carpentry, Drafting, Sustainable Technology and Welding.

This program will provide the necessary beginning level training to provide an introduction to the building trades and a chance for beginners to experience each of the trades to determine which area they wish to continue.

Part II

Program Description

The Drafting program is a one-year course of study and training with emphasis towards employment in the construction industry.

History

The program was established in the days of the Maui Technical School and transferred to the University of Hawaii Community College system in 1966. The late 1980's were a period of accelerated construction that caused a decline in Drafting majors desiring to complete the program in two years, because the apprenticeship program began recruiting students. The graduation rate has not increased because of the part-time status of a majority of students who enroll.

Program Goals/Occupations

Drafters are employed in almost every type of construction activity. It is an occupation requiring the ability draw the necessary plans for construction components, from plot plan to renderings. Graduation from this program provides an excellent entry level for those desiring to work in the field and/or enter the carpentry apprenticeship program.

Program SLOs

Practice all appropriate safety precautions on the job-protect yourself, your coworkers, and the job site.

Stay current with new technology.

Conduct yourself on the job with a high degree of professionalism.

Demonstrate proficiency in content areas.

Admission Requirements

Placement at English 55 and Math 22 or Higher

Faculty and Staff

Don Ainsworth, Assistant Professor BEd, MEd, Colorado State, Coordinator
Dean Johnston, M. Arch, Lecturer
Maria Kimmey B. Arch, Lecturer
William McThewson, AA. Arch, Lecturer

Advisory Committee

Gerald Hiyakumoto, Hiyakumoto, Higuchi Architects
Earl Kono, Reicke, Sunnland, Kono Architects
Don Osterwise, New Dimension Drafting Services
Alvin Sakutori, GYA Architects, Inc.
Hilton Unemori, ECM, Inc.
Warren Unemori, Warren Unemori Engineering, Inc.

Part III. Quantitative Indicators for Program Review

There is a demand for qualified construction workers. Estimates of employment in construction and construction related jobs in 2004 were approximately 42,600 and are projected to grow by nearly 10% to over 46,400 jobs by 2012. In addition to needing to fill about 480 jobs per year due to growth of the sector, we need to fill approximately 700 jobs per year as replacement for existing workers who are expected to leave their current positions. The total of 1,180 jobs per year to fill does not reflect the potential for job growth presented by the significant increase in federal government investment in modernizing military facilities and new state and private investments committed to the development of rail transit, the life sciences complex in Kaka`ako, and the continued demand for housing.

The shortage of construction employees has been made even more evident with the current building boom in Hawai'i. On Oahu trade unions, industry organizations, and employers have all stated that there are no available bodies – "the benches are empty". And, on the neighbor islands many of the apprenticeship programs are empty because workers are needed on the job.

Although, occupations in construction are well paying, averaging $53,000 per year including fringe benefits, most are difficult to fill quickly since they require the development of complex skills and knowledge, usually through long-term or moderate-term on-the-job training and apprenticeships.

While figures for industry shortages may vary slightly, below is one organization's projection on the number of employees needed on an annual basis[1]:

	Needed Annually	Average Earnings
Carpenters	182	$55,000
Electricians	150	$66,000
Laborers	150	$45,000
Painters	90	$46,000
Plumbers	78	$56,000
Operating Engineers	50	$68,000
Sheet Metal	40	$70,000
Total Industry Shortage	740	

[1] Extract from data published by Economic Modeling Specialists, Inc. (EMSI) in June 2005.

Performance Summary

Performance Summary Drafting Technology (DRAF)							
	Actual Performance Levels (indicates population met and/or exceeded goals)						
Year	1P1	1P2	2P1	3P1	3P2	4P1	4P2
1999-2000	N/A	N/A	0.00%	N/A	N/A	16.67%	N/A
2000-2001	100.00%	100.00%	0.00%	N/A	N/A	37.50%	N/A
2001-2002	100.00%	100.00%	0.00%	N/A	N/A	27.27%	N/A
2002-2003	N/A	N/A	N/A	N/A	N/A	100.00%	N/A
2003-2004	100.00%	100.00%	0.00%	N/A	N/A	20.00%	N/A

The DRAF program has been typically a low enrolled program. Because of this, all the indicators are affected greatly if even a single student is not counted. The 1P1 and 1P2 indicators show that the program has met/exceeded these standards for most of the five year period from 1999-2000 through 2003-04. (Perkins did not report performance levels for two of the five years.) For indicators 2P1, when students do not enroll in the recommended series of courses each semester, they are not able to graduate within 2 years, therefore, bringing the 2P1 indicators down. Perkins did not report any data for 3P1, 3P2 and 4P2 over the five year period. The DRAF has had success with 4P1 but again we must take into account that cell sizes for the DRAF program have been typically small. Case management strategies and other Perkins initiatives are expected to positively affect the core indicator statistics for this program.

PROGRAM REVIEW REPORT
MAUI COMMUNITY COLLEGE

Certificate of Achievement Welding

College Mission Statement

Maui Community College is a learning-Centered institution that provides affordable, high quality credit and non-credit educational opportunities to a diverse community of lifelong learners.

Program Mission Statement

Welding is a Certificate of Achievement program that covers the principles welding processes: oxyacetylene, electric arc, TIG and MIG welding equipment. It is designed to prepare students for employment as a welder, focusing on the knowledge, attitudes, and skills necessary for success in residential and commercial construction.

Part I
Executive Summary of Program Status

There is a demand for qualified welders in the State as a result of a construction boom in Hawaii. All construction trades are reporting the need for more workers and are hiring those with bare minimum skills without any further training. The union apprenticeship programs are also feeling the impact because jobs are available without formal training during this building boom.

Response to Previous Program Review Recommendations

There is an ever-changing demand for qualified workers in all areas of construction. Over the next five years we plan to combine the existing five construction related programs being offered on campus into one AAS in Construction Technology: (Building Maintenance, Carpentry, Drafting, Sustainable Technology and Welding.)

This program will provide the necessary beginning level training to provide an introduction to the building trades and a chance for beginners to experience each of the trades to determine which area they wish to continue.

Part II
Program Description

The Welding program is a course of study and training with emphasis towards employment in the construction and automotive industries.

History

The program was established in the days of the Maui Technical School and transferred to the University of Hawaii Community College system in 1966. Welding was offered to supplement trade majors (Carpentry, Maintenance, Sheetmetal and Automotive. When the one full-time instructor resigned just prior to the fall 1996 semester, sections were cut back in number and offered by lecturer in a self-paced format. The results of needs assessment supported continuation of the program classes serving the community and other program demand for training in welding.

Program Goals/Occupations

Welders are employed in almost every type of construction activity. It is an occupation requiring the ability to layout, cut, join, and shape metals to form a quality project. Graduation from this program provides an excellent entry level for those desiring to work in the construction and automotive fields.

Program SLOs

Practice all appropriate safety precautions on the job-protect yourself, your coworkers, and the job site.

Stay current with new technology.

Conduct yourself on the job with a high degree of professionalism.

Demonstrate proficiency in content areas.

Admission Requirements

Placement at English 55 and Math 22 or Higher

Faculty and Staff

Don Ainsworth, Assistant Professor BEd, MEd, Colorado State University, Program Coordinator
Mark Morimoto, Lecturer, Former MCC Faculty, Welding

Part III. Quantitative Indicators for Program Review

Current and Projected Position in the Occupation

There is a demand for qualified construction workers. Estimates of employment in construction and construction related jobs in 2004 were approximately 42,600 and are projected to grow by nearly 10% to over 46,400 jobs by 2012. In addition to needing to fill about 480 jobs per year due to growth of the sector, we need to fill approximately 700 jobs per year as replacement for existing workers who are expected to leave their current positions. The total of 1,180 jobs per year to fill does not reflect the potential for job growth presented by the significant increase in federal government investment in modernizing military facilities and new state and private investments committed to the development of rail transit, the life sciences complex in Kaka`ako, and the continued demand for housing.

The shortage of construction employees has been made even more evident with the current building boom in Hawai'i. On Oahu trade unions, industry organizations, and employers have all stated that there are no available bodies – "the benches are empty". And, on the neighbor islands many of the apprenticeship programs are empty because workers are needed on the job.

Although, occupations in construction are well paying, averaging $53,000 per year including fringe benefits, most are difficult to fill quickly since they require the development of complex skills and knowledge, usually through long-term or moderate-term on-the-job training and apprenticeships.

While figures for industry shortages may vary slightly, below is one organization's projection on the number of employees needed on an annual basis[1]:

	Needed Annually	Average Earnings
Carpenters	182	$55,000
Electricians	150	$66,000
Laborers	150	$45,000
Painters	90	$46,000
Plumbers	78	$56,000
Operating Engineers	50	$68,000
Sheet Metal	40	$70,000
Total Industry Shortage	740	

Performance Summary

PERFORMANCE SUMMARY Welding (WELD)							
	Actual Performance Levels (indicates population met and/or exceeded goal)						
Years	1P1	1P2	2P1	3P1	3P2	4P1	4P2
1999-2000	N/A	100.00%	0.00%	N/A	N/A	14.29%	N/A
2000-2001	N/A	100.00%	0.00%	N/A	N/A	28.57%	N/A
2001-2002	N/A	N/A	N/A	N/A	N/A	0.00%	N/A
2002-2003	N/A	N/A	N/A	N/A	N/A	0.00%	N/A
2003-2004	N/A	N/A	N/A	N/A	N/A	14.29%	N/A

Sporadic data in WELD is attributed to the program primarily serving the needs of AMT and BLDM students who need WELD 19BCD course modules for their program requirements. Due to budget constraints and very high operational expenses, the program has not been able to offer all of its course requirements that would lead to certificates and degree.

PROGRAM REVIEW REPORT
MAUI COMMUNITY COLLEGE

Associate in Applied Science Sustainable Technology

College Mission Statement

Maui Community College is a learning-Centered institution that provides affordable, high quality credit and non-credit educational opportunities to a diverse community of lifelong learners.

Program Mission Statement

Sustainable Technology is an Associate in Applied Science degree program that covers the principles of renewable energy, energy management . It is designed to prepare students for employment as a technician in design, installation, and maintenance of renewable systems, focusing on the knowledge, attitudes, and skills necessary for success in the field.

Part I
Executive Summary of Program Status

There is a demand for qualified energy related workers in the State as a result of a construction boom in Hawaii. All construction related trades are reporting the need for more workers and are hiring those with bare minimum skills without any further training. The union apprenticeship programs are also feeling the impact because jobs are available without formal training during this building boom.

Response to Previous Program Review Recommendations

There is an ever-changing demand for qualified workers in all areas of construction. Over the next five years we plan to combine the existing five construction related programs being offered on campus into one AAS in Construction Technology: Building Maintenance, Carpentry, Drafting, Sustainable Technology and Welding.

This program will provide the necessary beginning level training to provide an introduction to the building trades and a chance for beginners to experience each of the trades to determine which area they wish to continue.

Part II
Program Description

The Sustainable Technology program is a comprehensive two-year course of study and training with emphasis towards employment in energy and construction industries.

History

The program was established in the spring of 2001 when the University of Hawaii Board of regents approved the program. The program meets the growing need in Maui County where no such training existed.

Program Goals/Occupations

Energy technicians are employed in designing, installing and operating renewable energy systems in residential and commercial applications. Our goal is to provide initial and continuing training to interested residents of the county. Graduation from this program provides an excellent entry level for those desiring to work in the field.

Program SLOs

Practice all appropriate safety precautions on the job-protect yourself, your coworkers, and the job site.

Stay current with new technology.

Conduct yourself on the job with a high degree of professionalism.

Demonstrate proficiency in content areas.

Admission Requirements

Placement at English 55 and Math 22 or Higher

Faculty and Staff

Don Ainsworth, Assistant Professor BEd, MEd, Colorado State University, Program Developer and Coordinator
William Bennett, Lecturer, BS Electrical Engineering, Certified Energy Manager
Walter Enomoto, Lecturer, AA Sustainable Technology, B BA, Energy Manager
Brian Kealoha, Lecturer, MBA, Certified Energy Manager

Advisory Committee

Dick Doran. Aloha Plastic Recycling, Inc.
Brian Kealoha, Maui Electric Company, Ltd.
Harvey Makii, Maui Electric Company, Ltd.
Tom Reed, Aloha Glass Recycling, Inc.
Larry Zolezzie, Pacific Biodiesel, Inc.

Part III. Quantitative Indicators for Program Review

Current and Projected Indicators for Program Review

There is a demand for qualified construction workers. Estimates of employment in construction and construction related jobs in 2004 were approximately 42,600 and are projected to grow by nearly 10% to over 46,400 jobs by 2012. In addition to needing to fill about 480 jobs per year due to growth of the sector, we need to fill approximately 700 jobs per year as replacement for existing workers who are expected to leave their current positions. The total of 1,180 jobs per year to fill does not reflect the potential for job growth presented by the significant increase in federal government investment in modernizing military facilities and new state and private investments committed to the development of rail transit, the life sciences complex in Kaka`ako, and the continued demand for housing.

The shortage of construction employees has been made even more evident with the current building boom in Hawai'i. On Oahu trade unions, industry organizations, and employers have all stated that there are no available bodies – "the benches are empty". And, on the neighbor islands many of the apprenticeship programs are empty because workers are needed on the job.

Although, occupations in construction are well paying, averaging $53,000 per year including fringe benefits, most are difficult to fill quickly since they require the development of complex skills and knowledge, usually through long-term or moderate-term on-the-job training and apprenticeships.

While figures for industry shortages may vary slightly, below is one organization's projection on the number of employees needed on an annual basis[1]:

	Needed Annually	Average Earnings
Carpenters	182	$55,000
Electricians	150	$66,000
Laborers	150	$45,000
Painters	90	$46,000
Plumbers	78	$56,000
Operating Engineers	50	$68,000
Sheet Metal	40	$70,000
Total Industry Shortage	740	

[1] Extract from data published by Economic Modeling Specialists, Inc. (EMSI) in June 2005.

Performance Summary

Performance Summary Sustainable Technology (ENRG)							
	Actual Performance Levels (indicates population met and/or exceeded goals)						
Year	1P1	1P2	2P1	3P1	3P2	4P1	4P2
1999-2000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2000-2001	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2001-2002	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2002-2003	N/A	N/A	N/A	N/A	N/A	0.00%	N/A
2003-2004	N/A	N/A	100.00%	N/A	N/A	11.11%	0.00%

The ENRG program is a fairly new program at MCC. Perkins data has been sparse as the program was initiated in the spring of 2001. Most of the indicators were not met or do not have any data. Because the program is new, it is not widely known. Community knowledge about the program is limited, thus the number of students in the program is equally low. The program coordinator is currently publicizing the program through the media, with visits to high schools, and through college day activities, and energy fair activities. The fact that one student was credentialed in the 2003-2004 year shows the program has potential in graduating more students should interest in the program pick up.

Performance Summary Sustainable Technology (ENRG)							
	Actual Performance Levels (indicates population met and/or exceeded goals)						
Year	1P1	1P2	2P1	3P1	3P2	4P1	4P2
1999-2000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2000-2001	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2001-2002	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2002-2003	N/A	N/A	N/A	N/A	N/A	0.00%	N/A
2003-2004	N/A	N/A	100.00%	N/A	N/A	11.11%	0.00%

The ENRG program is a fairly new program at MCC. Perkins data has been sparse as the program was initiated in the spring of 2001. Most of the indicators were not met or do not have any data. Because the program is new, it is not widely known. Community knowledge about the program is limited, thus the number of students in the program is equally low. The program coordinator is currently publicizing the program through the media, with visits to high schools, and through college day activities, and energy fair activities. The fact that one student was credentialed in the 2003-2004 year shows the program has potential in graduating more students should interest in the program pick up.

Performance Summary Drafting Technology (DRAF)							
	Actual Performance Levels (indicates population met and/or exceeded goals)						
Year	1P1	1P2	2P1	3P1	3P2	4P1	4P2
1999-2000	N/A	N/A	0.00%	N/A	N/A	16.67%	N/A
2000-2001	100.00%	100.00%	0.00%	N/A	N/A	37.50%	N/A
2001-2002	100.00%	100.00%	0.00%	N/A	N/A	27.27%	N/A
2002-2003	N/A	N/A	N/A	N/A	N/A	100.00%	N/A
2003-2004	100.00%	100.00%	0.00%	N/A	N/A	20.00%	N/A

The DRAF program has been typically a low enrolled program. Because of this, all the indicators are affected greatly if even a single student is not counted. The 1P1 and 1P2 indicators show that the program has met/exceeded these standards for most of the five year period from 1999-2000 through 2003-04. (Perkins did not report performance levels for two of the five years.) For indicators 2P1, when students do not enroll in the recommended series of courses each semester, they are not able to graduate within 2 years, therefore, bringing the 2P1 indicators down. Perkins did not report any data for 3P1, 3P2 and 4P2 over the five year period. The DRAF has had success with 4P1 but again we must take into account that cell sizes for the DRAF program have been typically small. Case management strategies and other Perkins initiatives are expected to positively affect the core indicator statistics for this program.

Performance Summary Carpentry Technology (CARP)							
Year	Actual Performance Levels (indicates population met and/or exceeded goals)						
	1P1	1P2	2P1	3P1	3P2	4P1	4P2
1999-2000	75.00%	100.00%	40.00%	0.00%	N/A	16.67%	0.00%
2000-2001	100.00%	100.00%	16.67%	50.00%	100.00%	16.67%	0.00%
2001-2002	100.00%	100.00%	0.00%	100.00%	0.00%	14.81%	N/A
2002-2003	33.33%	75.00%	0.00%	N/A	N/A	23.53%	N/A
2003-2004	100.00%	100.00%	0.00%	N/A	N/A	14.29%	0.00%

The CARP program has been typically a low enrollment program. Because of this, all the indicators are affected greatly if a student is not counted. Most CARP students are not full-time and register for only one or two courses. Also, students do not enroll in the recommended series of courses per semester. Consequently, students are not able to graduate within 2 years possibly bringing the 2P1 indicators down. The 1P2 indicator has been met/exceeded over the five year period. This is possible since many of the students are able to take part on hands on projects, allowing for good performance on vocational skills. Because of low 2P1 performance numbers this in turn has an impact on the 3P1 and 3P2 indicators.

The CARP program stopped new enrollments in 2002-2003 when it underwent a major curriculum revision. Data for that year reflects continuing students who were accommodated with CARP courses needed for them to complete their program requirements. Having lecturers teach these courses affected student retention and completion. Lecturers are not as accessible and available for students needing assistance outside of scheduled class times as are regular full-time faculty.