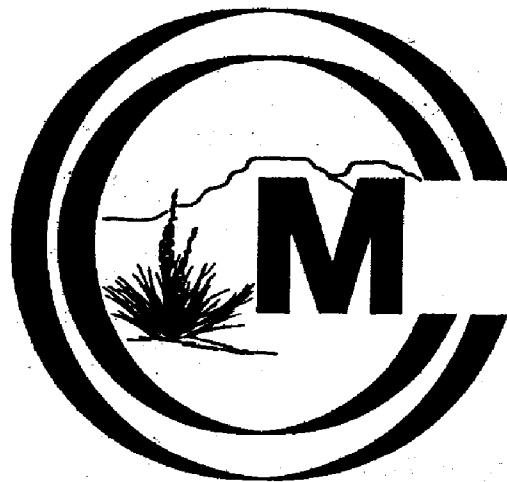


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COLORADO 80701**

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**Morgan  
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BEU'S Copy

**MCC**

**general**

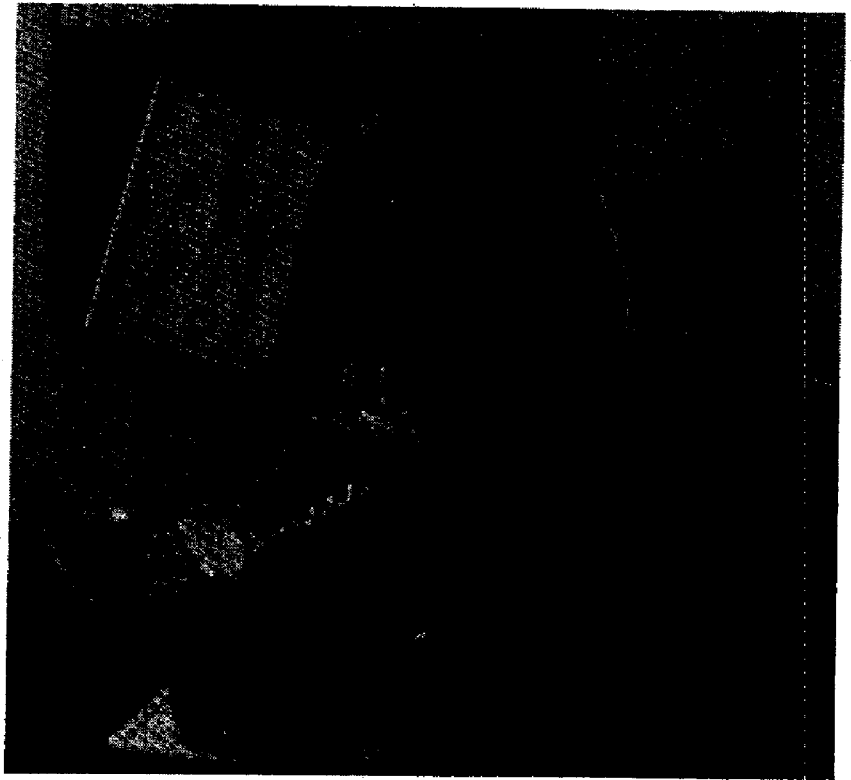
**catalog**

**1980-82**

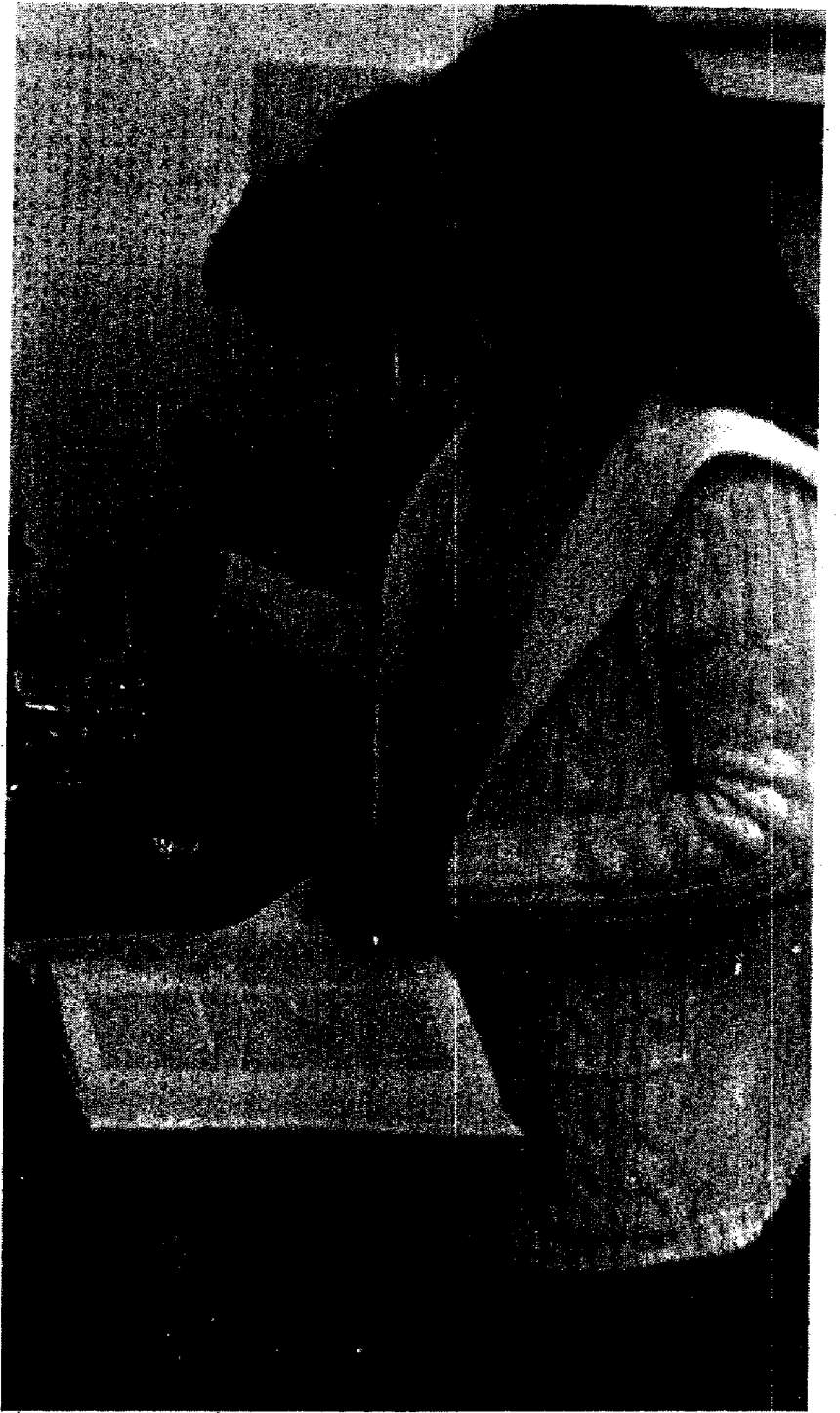
# OCCUPATIONAL CERTIFICATE PROGRAMS

An Occupational Certificate will be awarded to those students who complete training programs in specific job skill areas. The student will acquire job entry skills via the completion of an Occupational Certificate Program, or, he/she may elect to

take additional academic courses in order to qualify for an Associate of Applied Science Degree. All candidates for Occupational Certificates must have earned at least fifteen (15) quarter hours of credit at Morgan Community College.



**general  
studies  
division**



# ASSOCIATE OF ARTS DEGREE

Successful completion of a minimum of ninety-six (96) quarter hours\* of credit in transfer course work including the following:

## HUMANITIES ..... 18 credit hours

Required courses:

ENG 108 Basic Writing 3 credits

ENG 109 Intermediate Writing 3 credits

SPE 101 Principles of Speech 3 credits

The remaining nine hours must be drawn from courses listed in the Humanities section of this catalog, having course numbers above 100.

## SCIENCE AND MATHEMATICS ..... 15 credit hours

Required courses:

SCI 114, 115, 116 Introduction to the Physical Sciences 15 credits

or any math or science sequence listed in this catalog having course numbers above 100 and approved by your advisor.

## SOCIAL SCIENCES ..... 12 credit hours

Required courses:

PSY 113, 114, 115 General Psychology I, II, III or 9 credits

SOC 104, 105, 106 Principles of Sociology I, II and Social Problems 9 credits

The remaining three hours must be drawn from courses listed in the Social Sciences section of this catalog, having course numbers above 100.

## ELECTIVES. .... See recommended programs of study\*\*

Any courses listed in the General Studies and certain specified courses in the Business and Secretarial Science section are acceptable as electives if approved by the student's advisor.

## PHYSICAL EDUCATION..... 3 credit hours

\*Of these a minimum of 45 quarter credits must be in courses designated as general education.

\*\*Each program is displayed with recommended course offerings for each quarter, but the student is not required to enroll for the recommended sequence of courses each quarter in order to achieve normal progress in the program.

# ASSOCIATE OF SCIENCE DEGREE

Successful completion of a minimum of ninety-six (96) quarter hours\* of credit in transfer course work including the following:

## HUMANITIES ..... 18 credit hours

Required courses:

ENG 108 Basic Writing	3 credits
ENG 109 Intermediate Writing	3 credits
SPE 101 Principles of Speech	3 credits

The remaining nine hours must be drawn from courses listed in the Humanities section of this catalog, having course numbers above 100.

## SCIENCE AND MATH..... 30 credit hours

A minimum of 30 credit hours is required, however, enrollment in 45 hours is recommended for transfer students pursuing this degree. Courses which are recommended are College Chemistry (CHE 121, 122, 123), Biology (BIO 101, 102, 103), College Physics (PHY 104, 105, 106), Algebra, Trigonometry, Elementary Functions (MAT 112, 113, 114), and/or Calculus (MAT 201, 202, 203). Each of these is a one-year course (15 credit hours).

## SOCIAL SCIENCES ..... 12 credit hours

Required courses:

PSY 113, 114, 115 General Psychology I, II, III	9 credits
or	
SOC 104, 105, 106 Principles of Sociology I, II and Social Problems	9 credits

The remaining three hours must be drawn from courses listed in the Social Sciences section of this catalog, having course numbers above 100.

## ELECTIVES..... See recommended programs of study\*\*

Any courses listed in the General Studies section of the catalog having course numbers above 100, and certain specified courses in Business and Secretarial Science section are acceptable as electives if approved by the student's advisor.

## PHYSICAL EDUCATION..... 3 credit hours

\*Of these a minimum of 45 quarter credits must be in courses designated as general education.

\*\*Each program is displayed with recommended course offerings for each quarter, but the student is not required to enroll for the recommended sequence of courses each quarter in order to achieve normal progress in the program.

# RECOMMENDED PROGRAMS OF STUDY FOR TRANSFER STUDENTS

## BIOLOGY (Associate of Science)

### Year 1

<i>Quarter 1</i>	<i>Quarter 2</i>	<i>Quarter 3</i>
ENG 108 Basic Writing 3	ENG 109 Intermediate 3	SPE 101 Principles 3
MAT 112 College 5	Writing	of Speech
Algebra +	MAT 113 College 5	MAT 114 Elementary 5
BIO 101 Intro. to 5	Trigonometry +	Functions +
Biology	BIO 102 Principles 5	BIO 103 Principles 5
PED P.E. Elective 1	of Botany	of Zoology
Elective 3	PED P.E. Elective 1	PED P.E. Elective 1
17	3	14
	17	

### Year 2

<i>Quarter 4</i>	<i>Quarter 5</i>	<i>Quarter 6</i>
LIT 216 Survey 3	LIT 217 Survey 3	LIT 218 Survey 3
of English	of English	of English
Literature I**	Literature II**	Literature III**
CHE 121 General 5	CHE 122 General 5	CHE 123 General 5
Chemistry I	Chemistry II	Chemistry III
BIO 201 Population 5	BIO 202 Cellular 5	BIO 203 Cellular and 5
and Community	Biology	Developmental
Biology	PSY 114 General 3	Biology
PSY 113 General 3	Psychology II*	PSY 115 General 3
Psychology I*	16	Psychology III*
16		16

\*\*or another fine arts class

\*or another social science class

+ sequence may be replaced by MAT 201, 202, 203, Calculus I, II, III if student qualified for advanced placement.



# BUSINESS

## (Associate of Arts)

### Year 1

<i>Quarter 1</i>		<i>Quarter 2</i>		<i>Quarter 3</i>	
ENG 108	Basic Writing 3	ENG 109	Intermediate Writing 3	SPE 101	Principles of Speech 3
BUS 107	Introduction to Business 4	SEC 162	Intermediate Typewriting I or 3	BUS 101	Principles of Accounting I 4
	Approved Math 5 or Science	SEC 163	Intermediate Typewriting II or Elective 3	SEC 163	Intermediate Typewriting II or Elective 3
SEC 161	Beginning Typewriting or 3	PSY 115	General Psychology III* 3	PSY 115	General Psychology III* 3
SEC 162	Intermediate Typewriting I 3	PSY 114	General Psychology II* 3	PED	P.E. Elective 1
PSY 113	General Psychology I* 3		Approved Humanities 3		
PED	P.E. Elective 1				
19		17		14	

### Year 2

<i>Quarter 4</i>		<i>Quarter 5</i>		<i>Quarter 6</i>	
BUS 102	Principles of Accounting II 4	BUS 112	Business Law II 3	BUS 115	Business Law III 3
BUS 111	Business Law I 3	ECO 102	Economics II 3	ECO 103	Economics III 3
ECO 101	Economics I 3	BUS 103	Principles of Accounting III 4		Approved Humanities 3
	Approved Humanities 3		Approved Electives 6	MAT 130	Elementary Statistics 5
PED	P.E. Elective 1				Approved Elective 3
14		16		17	

Approved Humanities is any course listed in the catalog under the Humanities section with a course number of 101 or higher.

Approved Math/Science is any course listed in the catalog under the Math/Science section with a course number of 101 or higher.

The following courses will be accepted for approved electives:

- Advanced Typewriting
- Gregg Shorthand I, II, and III
- Income Tax I
- Intermediate Accounting
- Business Computations II
- Speed Dictation and Transcription
- Humanities courses 101 and above
- Math/Science courses 101 and above
- Social Science courses 101 and above

\*or another social science class

# CHEMISTRY OR PHYSICS

(Associate of Science)

## Year 1

<i>Quarter 1</i>		<i>Quarter 2</i>		<i>Quarter 3</i>	
ENG 108	Basic Writing 3	ENG 109	Intermediate Writing 3	SPE 101	Principles of Speech 3
MAT 112	College Algebra + 5	MAT 113	College Trigonometry + 5	MAT 114	Elementary Functions + 5
CHE 121	General Chemistry I 5	CHE 122	General Chemistry II 5	CHE 123	General Chemistry III 5
PED	P.E. Elective 1	PED	P.E. Elective 1	PED	P.E. Elective 1
	Elective 3		Elective 3		
	<u>17</u>		<u>17</u>		<u>14</u>

## Year 2

<i>Quarter 4</i>		<i>Quarter 5</i>		<i>Quarter 6</i>	
LIT 216	Survey of English Literature I** 3	LIT 217	Survey of English Literature II** 3	LIT 218	Survey of English Literature III** 3
MAT 201	Calculus I 5	MAT 202	Calculus II 5	MAT 203	Calculus III 5
PSY 113	General Psychology I* 3	PSY 114	General Psychology II* 3	PSY 115	General Psychology III* 3
PHY 104	General Physics I 5	PHY 105	General Physics II 5	PHY 106	General Physics III 5
	<u>16</u>		<u>16</u>		<u>16</u>

\*\*or another fine arts class

\*or another social science class

+ sequence may be replaced by MAT 201, 202, 203, Calculus I, II and III if student qualified for advanced placement in math.

# HISTORY

## (Associate of Arts)

### Year 1

<i>Quarter 1</i>	<i>Quarter 2</i>	<i>Quarter 3</i>
ENG 108 Basic Writing 3	ENG 109 Intermediate Writing 3	SPE 101 Principles of Speech 3
SOC 104 Principles of Sociology I 3	SOC 105 Principles of Sociology II 3	SOC 106 Social Problems 3
HIS 103 Western Civilization I 3	HIS 104 Western Civilization II 3	HIS 105 Western Civilization III 3
SCI 114 Introduction to Physical Science 5	SCI 115 Introduction to Physical Science II 5	SCI 116 Introduction to Physical Science III 5
PED P.E. Elective 1	PED P.E. Elective <u>1</u>	PED P.E. Elective <u>1</u>
15	15	15

### Year 2

<i>Quarter 4</i>	<i>Quarter 5</i>	<i>Quarter 6</i>
LIT 216 Survey of English Literature I 3	LIT 217 Survey of English Literature II 3	LIT 218 Survey of English Literature III 3
HIS 201 U.S. History I 3	HIS 202 U.S. History II 3	HIS 203 U.S. History III 3
MAT 130 Elementary Statistics 5	HIS 275 Special Studies in History 6	ANT 121 Anthropology 5
SPA 101 Spanish I* <u>2</u>	SPA 102 Spanish II* <u>5</u>	SPA 103 Spanish III* 5
18	17	16

\*or another social science class

# JOURNALISM (Associate of Arts)

## Year 1

<i>Quarter 1</i>	<i>Quarter 2</i>	<i>Quarter 3</i>
ENG 108 Basic Writing 3	ENG 109 Intermediate Writing 3	SPE 101 Principles of Speech 3
JOU 121 Newswriting 4	JOU 122 Advanced Newswriting 4	JOU 123 Feature & In-Depth Writing for Newspapers 3
MAT 101 College Mathematics 5	SEC 161 Typewriting I (or) 3	ANT 121 Anthropology 5
SCI 114 Introduction to Physical Science I 5	SEC 162 Intermediate Typewriting I)* 5	SCI 116 Introduction to Physical Science III 5
PED P.E. Elective 1	SCI 115 Introduction to Physical Science II 5	
<u>18</u>	PED P.E. Elective <u>1</u>	PED P.E. Elective <u>1</u>
	16	17

## Year 2

<i>Quarter 4</i>	<i>Quarter 5</i>	<i>Quarter 6</i>
JOU 221 Journalism Practicum 2	JOU 222 Journalism Practicum 2	JOU 223 Journalism Practicum 2
JOU 225 Introduction to Photography 3	BUS 292 Advertising 3	MAT 130 Elementary Statistics 5
HUM201 Coordinated Humanities I** 3	HUM202 Coordinated Humanities II** 3	HUM203 Coordinated Humanities III** 3
LIT 225 Survey of American Literature I 3	LIT 226 Survey of American Literature II 3	SOC 106 Social Problems*** 3
SOC 104 Principles of Sociology I*** 3	SOC 105 Principles of Sociology II*** 3	
Elective <u>3</u>	Elective <u>3</u>	
17	17	16

\*or Chemistry

\*\*or another fine arts class

\*\*\*or Psychology, Economics, U.S. History, Political Science, Western Civilization

# LITERATURE (Associate of Arts)

## Year 1

<i>Quarter 1</i>	<i>Quarter 2</i>	<i>Quarter 3</i>
ENG 108 Basic Writing 3	ENG 109 Intermediate Writing 3	SPE 101 Principles of Speech 3
LIT 130 Introduction to Poetry 4	LIT 145 Introduction to Fiction 4	LIT 150 Introduction to Drama 4
MAT 101 College Mathematics 5	LIT 225 Survey of American Literature I 3	LIT 226 Survey of American Literature II 3
SCI 114 Introduction to Physical Science I 5	SCI 115 Introduction to Physical Science II 5	SCI 116 Introduction to Physical Science III 5
PED P.E. Elective 1	PED P.E. Elective 1	PED P.E. Elective 1
<hr style="width: 100%; border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> 18	<hr style="width: 100%; border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> 16	<hr style="width: 100%; border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> 16

## Year 2

<i>Quarter 4</i>	<i>Quarter 5</i>	<i>Quarter 6</i>
HIS 201 U.S. History I** 3	HIS 202 U.S. History II** 3	HIS 203 U.S. History III** 3
LIT 216 Survey of English Literature I 3	LIT 217 Survey of English Literature II 3	LIT 217 Survey of English Literature III 3
HUM201 Coordinated Humanities I 3	HUM202 Coordinated Humanities II 3	HUM203 Coordinated Humanities III 3
PSY 113 General Psychology I*** 3	PSY 114 General Psychology II*** 3	PSY 115 General Psychology III*** 3
Elective 6	Elective 6	Elective 6
<hr style="width: 100%; border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> 18	<hr style="width: 100%; border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> 18	<hr style="width: 100%; border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> 18

\*or Biology

\*\*or Western Civilization

\*\*\*or Sociology, Economics

# MATHEMATICS (Associate of Science)

## Year 1

<i>Quarter 1</i>	<i>Quarter 2</i>	<i>Quarter 3</i>
ENG 108 Basic Writing 3	ENG 109 Intermediate Writing 3	SPE 101 Principles of Speech 3
MAT 112 College Algebra + 5	MAT 113 College Trigonometry + 5	MAT 114 Elementary Functions + 5
CHE 121 General Chemistry + + 5	CHE 122 General Chemistry II + + 5	CHE 123 General Chemistry III + + 5
PED P.E. Elective 1	PED P.E. Elective 1	PED P.E. Elective 1
Elective 3	Elective 3	Elective 3
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 17	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 17	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 17

## Year 2

<i>Quarter 4</i>	<i>Quarter 5</i>	<i>Quarter 6</i>
LIT 216 Survey of English Literature I* 3	LIT 217 Survey of English Literature II* 3	LIT 218 Survey of English Literature III* 3
MAT 201 Calculus I 5	MAT 202 Calculus II 5	MAT 203 Calculus III 5
PSY 113 General Psychology I** 3	PSY 114 General Psychology II** 3	PSY 115 General Psychology III** 3
Elective 3	Elective 3	Elective 3
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 14	MAT 275 Special Studies in Math 2 <hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 16	MAT 275 Special Studies in Math 2 <hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 16

\*or another fine arts class

\*\*or another social science class

+ sequence may be replaced by MAT 201, 202, 203; Calculus I, II, III if student qualifies for advanced placement in math. Additional higher math courses will be offered on demand.

+ + or PHY 104, 105, 106; General Physics I, II, and III. This is a highly recommended elective.

**SOCIAL SCIENCES**  
**Psychology, Sociology, or Economics**  
**(Associate of Arts)**

**Year 1**

<i>Quarter 1</i>	<i>Quarter 2</i>	<i>Quarter 3</i>
ENG 108 Basic Writing 3	ENG 109 Intermediate Writing 3	SPE 101 Principles of Speech 3
PSY 113 General Psychology I 3	PSY 114 General Psychology II 3	PSY 115 General Psychology III 3
SOC 104 Principles of Sociology I 3	SOC 105 Principles of Sociology II 3	SOC 106 Social Problems 3
SCI 114 Introduction to Physical Science I 5	SCI 115 Introduction to Physical Science II 5	SCI 116 Introduction to Physical Science III 5
PED P.E. Elective 1	PED P.E. Elective Approved Elective 3	PED P.E. Elective 1
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 15	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 18	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 15

**Year 2**

<i>Quarter 4</i>	<i>Quarter 5</i>	<i>Quarter 6</i>
LIT 216 Survey of English Literature I 3	LIT 217 Survey of English Literature II 3	LIT 218 Survey of English Literature III 3
ECO 101 Economics I 3	ECO 102 Economics II 3	ECO 103 Economics III 3
HIS 103 Western Civilization I 3	HIS 104 Western Civilization II 3	HIS 104 Western Civilization III 3
MAT 130 Elementary Statistics Approved Elective 3	PSY 275 Special Studies in Social Science Approved Elective 4	PSY 275 Special Studies in Social Science Approved Elective 3
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 17	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 16	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 15

# SPANISH

## (Associate of Arts)

### Year 1

<i>Quarter 1</i>		<i>Quarter 2</i>		<i>Quarter 3</i>	
ENG 108	Basic Writing 3	ENG 109	Intermediate Writing 3	SPE 101	Principles of Speech 3
SPA 101	Spanish I 5	SPA 102	Spanish II 5	SPA 103	Spanish III 5
PSY 113	General Psychology I 3	PSY 114	General Psychology II 3	PSY 115	General Psychology III 3
SCI 114	Introduction to Physical Science I 5	SCI 115	Introduction to Physical Science II 5	SCI 116	Introduction to Physical Science III 5
PED	P.E. Elective 1	PED	P.E. Elective 1	PED	P.E. Elective 1
<hr style="width: 50%; margin-left: auto; margin-right: 0;"/>		<hr style="width: 50%; margin-left: auto; margin-right: 0;"/>		<hr style="width: 50%; margin-left: auto; margin-right: 0;"/>	
17		17		17	

### Year 2

<i>Quarter 4</i>		<i>Quarter 5</i>		<i>Quarter 6</i>	
LIT 216	Survey of English Literature I 3	LIT 217	Survey of English Literature II 3	LIT 218	Survey of English Literature III 3
SPA 201	Advanced Spanish I 5	SPA 202	Advanced Spanish II 5	SPA 203	Advanced Spanish III 5
MAT 101	College Mathematics 5	SOC 105	Principles of Sociology II 3	ANT 125	Mexico-An Overview 3
SOC 104	Principles of Sociology I 3	ENG 275	Special Studies in Communications & Arts** 4	SOC 106	Social Problems 3
<hr style="width: 50%; margin-left: auto; margin-right: 0;"/>		<hr style="width: 50%; margin-left: auto; margin-right: 0;"/>		<hr style="width: 50%; margin-left: auto; margin-right: 0;"/>	
16		15		14	

\*Special Studies in Communications could be developed into teacher-aide work in bi-lingual classroom.



# PRE-PROFESSIONAL TRAINING

## pre-dental

Basic requirements for admission to American schools and colleges of dentistry are more or less uniform; however, requirements stated in most dental school bulletins are minimal. In order to be competitive for admission, candidates must have broader credentials than the published requirements. Therefore, pre-dental candidates should complete the following basic science sequences:

- Two full years of biology
- Two full years of chemistry
- One year of mathematics through calculus (this may be accomplished by placement examination)
- One year of physics

In addition, all dental schools require one year of English composition (or equivalent by placement).

Since admissions committees favor broadly educated candidates, it is recommended that the above requirements be liberally supplemented with courses in the humanities and social sciences.

This program closely approximates pre-medicine requirements, providing candidates with a double option.

Exceptional students may complete pre-dental requirements in two or three years; however, the current trend among the better schools is to seek out the superior student with a general education and baccalaureate degree.

## pre-medical

Colleges of medicine select only students of outstanding undergraduate achievement, exceptional ability, and maturity. Most prefer that students concentrate in a natural sciences area along with training in humanities, social sciences, and related natural sciences. Students may select any major that fulfills the requirements of medical schools to which they intend to apply. Usual requirements are one year of

English, two years of chemistry, two years of biology, and one year of physics. Other requirements may include calculus, genetics, literature, or modern foreign language.

Because of the requirements stated above, most students elect an interdepartmental major in either physical or biological science. Chemistry, philosophy, and psychology are also frequent majors.

Although few medical schools require a degree, most require four years of undergraduate work. In exceptional cases, three-year students may be accepted. Students should not take undergraduate courses which are offered in medical school, since this denies them courses not available after they are out of undergraduate college.

## pre-pharmacy

Colleges of pharmacy require five years for the bachelor's degree and certification. Pre-pharmacy students may complete the first two years at MCC by taking basic requirements in biology, chemistry, English, mathematics, and physics under the guidance of a faculty advisor.

## pre-majors in engineering, education, general home economics, and other transfer areas

The requirements for these majors at Colorado four-year institutions are fairly specialized, and require a specially developed program of study during the Freshman and Sophomore years. If your plans call for a degree in any such field, talk with your advisor about developing a program for you designed to transfer to the University of Northern Colorado, Colorado State University, Colorado University, or other Colorado universities and colleges.

**occupational  
studies  
division**



# GENERAL INFORMATION

The following curricula are vocational programs designed to prepare students with job entry skills. Each curriculum is displayed with recommended course offerings for each quarter, but the student is not required to enroll for the recommended course offerings each quarter in order to achieve normal progress in the program. Further, on-the-job training requirements are also displayed in recommended patterns, but students may enroll for O.J.T. in patterns that fit their need.

The following Occupational Degree Programs are approved for the determination of VA benefits to eligible veterans and other eligible persons:

- A.A.S. - Automobile Body Technology (Cooperative Program)
- A.A.S. - Automobile Mechanics Technology (Cooperative Program)
- A.A.S. - Business Management
- A.A.S. - Accounting
- A.A.S. - Electronics Technology
- A.A.S. - Secretarial Science
- A.A.S. - Swine Technology (Cooperative Program)

Other vocational programs, for which VA benefits are not currently available, (approval pending) also have the above conditions. They are:

- Certificate - Automobile Refinishing
- Certificate - Automobile Mechanics
- Certificate - Bookkeeping Clerk
- Certificate - Clerk Typist
- Certificate - Stenographer
- Certificate - Construction Carpenter
- Certificate - Construction Electrician
- Certificate - Construction Welding
- Certificate - L.P. Gas Operations
- Certificate - Swine Production

This program does not and will not have VA approval.

- A.A.S. - Law Enforcement Technology

# AUTOMOBILE PROGRAMS

The Automobile Programs are designed to offer study and training in two major areas. The curricula are: 1) a two-year Associate of Applied Science degree program in Automobile Body Technology (program closes at the end of the 1980-81 school year); 2) a two-year certificate program in Automobile Refinishing and Major Repair (program closes at the end of the 1980-81 school year); 3) a nine-month Certificate in Automobile Refinishing; 4) a two-year Associate of Applied Science degree program in Automobile Mechanics Technology (program closes at the end of the 1980-81 school year); 5) a two-year Certificate program in Automobile Mechanics (program closes at the end of the 1980-81 school year); and 6) a nine-month Certificate in Automobile Mechanics. The following pages show these curricula.

In general, graduates of the three Automobile Body Programs will be prepared for jobs such as: auto body painter, frame repairman, and metal repairman. Graduates of the three Automobile Mechanics programs will be prepared for jobs such as: automobile mechanic, garage mechanic, service mechanic, and tune-up mechanic.

These programs are all offered in the late afternoon and evening hours. This allows for full or part-time employment during the day.

On-the-job training must be located in Colorado and on-the-job training sites must be approved by the instructor.



# AUTOMOBILE BODY TECHNOLOGY

## Associate of Applied Science Degree

<i>Quarter I</i>		<i>Quarter II</i>		<i>Quarter III</i>	
AUB 100 Minor Body Repair	12	AUB 110 Auto Painting I	12	AUB 120 Auto Painting II	12
PSY 101 Psychology of Work Habits	3	PED 119 First Aid	3	PSY 102 Psychology of Employment	3
	15		15		15
<i>Quarter IV</i>		<i>Quarter V</i>		<i>Quarter VI</i>	
AUB 191 On-the-job Training	15	AUB 220 Glass, Trim and Servicing	12	AUB 200 Major Body Repair I	12
		AUB 191 On-the-job Training	6	AUB 191 On-the-job Training	6
		COM 101 Communications I	3	COM 102 Communications II	3
	15		21		21
<i>Quarter VII</i>					
AUB 210 Major Body Repair II	12				
AUB 191 On-the-job Training	6				
PSY 103 Human Relations	4				
	22				
TOTAL CREDITS		124			

# AUTOMOBILE REFINISHING AND MAJOR REPAIR

## Certificate

<i>Quarter I</i>		<i>Quarter II</i>		<i>Quarter III</i>	
AUB 100 Minor Body Repair	12	AUB 110 Auto Painting I	12	AUB 120 Auto Painting II	12
PSY 101 Psychology of Work Habits	3	PED 119 First Aid	3	PSY 102 Psychology of Employment	3
	15		15		15
<i>Quarter IV</i>		<i>Quarter V</i>		<i>Quarter VI</i>	
AUB 191 On-the-job Training	15	AUB 220 Glass, Trim & Servicing	12	AUB 200 Major Body Repair I	12
		AUB 191 On-the-job Training	6	AUB 191 On-the-job Training	6
	15		18		18
<i>Quarter VII</i>					
AUB 210 Major Body Repair II	12				
AUB 191 On-the-job Training	6				
	18				
TOTAL CREDITS		114			

## AUTOMOBILE REFINISHING Certificate

<i>Quarter I</i>	<i>Quarter II</i>	<i>Quarter III</i>
AUB 100 Minor Body Repair    15 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 15	AUB 110 Auto Repair and Painting I    15 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 15	AUB 120 Auto Repair and Painting II    15 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 15
<i>Quarter IV</i>		
AUB 130 Glass, Trim and Servicing    15 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 15		
<b>TOTAL CREDITS          60</b>		

## AUTOMOBILE MECHANICS TECHNOLOGY Associate of Applied Science Degree

<i>Quarter I</i>	<i>Quarter II</i>	<i>Quarter III</i>
AUM 140 Brakes, Suspensions, Steering & Service    12 PSY 101 Psychology of Work Habits    3 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 15	AUM 120 Electrical & Fuel Systems    12 PED 119 First Aid    3 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 15	AUM 110 Engine Tune-Up    12 PSY 102 Psychology of Employment    3 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 15
<i>Quarter IV</i>		
AUM 191 On-the-job Training    15 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 15	AUM 200 Major Engine Overhaul    12 AUM 191 On-the-job Training    6 Com 101 Communications I    3 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 21	AUM 210 Standard Drive Trains & Air Conditioning    12 AUM 191 On-the-job Training    6 COM 102 Communications II    3 <hr style="width: 20%; margin-left: auto; margin-right: 0;"/> 21



*Quarter VII*

AUM215 Automatic Transmissions	9
AUM191 On-the-job Training	6
PSY 103 Human Relations	4
	<hr/>
	19

TOTAL CREDITS 121

**AUTOMOBILE MECHANIC  
Certificate**

*Quarter I*

AUM140 Brakes, Suspensions, Steering and Service	12
PSY 101 Psychology of Work Habits	3
	<hr/>
	15

*Quarter II*

AUM120 Electrical & Fuel Systems	12
PED 119 First Aid	3
	<hr/>
	15

*Quarter III*

AUM110 Engine Tune-Up	12
PSY 102 Psychology of Employment	3
	<hr/>
	15

*Quarter IV*

AUM191 On-the-job Training	15
	<hr/>
	15

*Quarter V*

AUM200 Major Engine Overhaul	12
AUM191 On-the-job Training	6
	<hr/>
	18

*Quarter VI*

AUM210 Standard Drive Trains & Air Conditioning	12
AUM191 On-the-job Training	6
	<hr/>
	18

*Quarter VII*

AUM215 Automatic Transmissions	9
AUM191 On-the-job Training	6
	<hr/>
	15

TOTAL CREDITS 111

# AUTOMOBILE MECHANICS

## Certificate

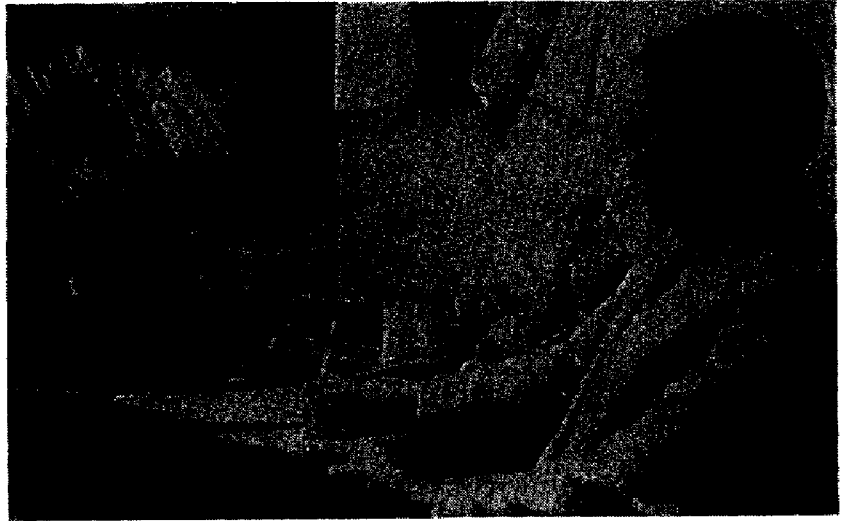
<i>Quarter I</i>		<i>Quarter II</i>		<i>Quarter III</i>	
AUM101	Safety, Brakes and Suspensions 8	AUM111	Steering, Fuel and Emissions Systems 8	AUM121	Electrical Systems and Emissions 8
AUM102	Engine Overhaul 8	AUM112	Engine Overhaul II 8	AUM122	Standard Drive Train 8
	<u>16</u>		<u>16</u>		<u>16</u>
 <i>Quarter IV</i>					
AUM131	Tune-Up and Troubleshooting 8				
AUM132	Automatic Transmissions 8				
	<u>16</u>				
TOTAL CREDITS		64			

# BUSINESS PROGRAMS

The Business Programs are designed to offer a broad opportunity for study and specialization. The curricula are: 1) a two-year Associate of Applied Science degree program in Business Management; 2) a two-year Associate of Applied Science degree program in Accounting; and 3) a nine month Certificate program in Bookkeeping Clerk. The following pages show these curricula.

In general, graduates of the Business Management program will be prepared for jobs such as: supervisory assistant, department manager trainee, administrative assistant, chief clerk, and management staff. Graduates of the Accounting program will be prepared for jobs such as: billing clerk, bookkeeper, calculating machine operator, payroll/time clerk, accountant, head clerk trainee, and financial assistant. Graduates of the Bookkeeping Clerk program will be prepared for jobs such as: billing clerk, bookkeeper, calculating machine operator, and payroll/time clerk.

These programs are offered as full-time daytime programs as well as evening classes.



# BUSINESS MANAGEMENT

## Associate of Applied Science Degree

<i>Quarter I</i>		<i>Quarter II</i>		<i>Quarter III</i>	
BUS 135	Business Correspondence-English Usage 3	BUS 136	Business Correspondence-Style and Tone 3	BUS 264	Records Management 3
SEC 161	Beginning Typewriting 3	SEC 162	Intermediate Typewriting I 3	BUS 110	Introduction to Data Processing 2
BUS 143	Business Computations I 3	BUS 144	Business Computations II 3	BUS 102	Principles of Accounting II 4
BUS 060	Business Leadership Development I 1	BUS 101	Principles of Accounting I 4	SPE 101	Principles of Speech 3
BUS 107	Introduction to Business 4	BUS 270	Money Management 2	BUS 292	Advertising 3
BUS 100	Fundamentals of Accounting I 4	BUS 116	Accounting Simulation 3		
	<u>18</u>		<u>18</u>		<u>15</u>
<i>Quarter IV</i>		<i>Quarter V</i>		<i>Quarter VI</i>	
BUS 111	Business Law I 3	BUS 112	Business Law II 3	PSY 103	Human Relations 4
BUS 061	Business Leadership Development II 1	BUS 262	Business Management & Organization 3	BUS 115	Business Law III 3
BUS 113	Income Tax 4	ECO 102	Economics II 3	BUS 129	Principles of Insurance 3
BUS 103	Principles of Accounting III 4	BUS 272	Office Management 3	BUS 274	Management Simulation 3
BUS 263	Principles of Finance 3	PSY 112	How to Deal with Stress 2	ECO 103	Economics III 3
ECO 101	Economics I 3				
	<u>18</u>		<u>14</u>		<u>16</u>
TOTAL CREDITS		99			

# ACCOUNTING

## Associate of Applied Science Degree

<i>Quarter I</i>		<i>Quarter II</i>		<i>Quarter III</i>	
BUS 135	Business Correspondence-English Usage	3	BUS 136	Business Correspondence-Style & Tone	3
SEC 161	Beginning Typewriting	3	SEC 162	Intermediate Typewriting I	3
BUS 143	Business Computations I	3	BUS 144	Business Computations II	3
BUS 060	Business Leadership Development I	1	BUS 101	Principles of Accounting I	4
BUS 107	Introduction to Business	4	BUS 270	Money Management	2
BUS 100	Fundamentals of Accounting I	4	BUS 116	Accounting Simulation	3
		18			18
					16
<i>Quarter IV</i>		<i>Quarter V</i>		<i>Quarter VI</i>	
BUS 111	Business Law I	3	BUS 112	Business Law II	3
BUS 061	Business Leadership Development II	1	BUS 262	Business Management & Organization	3
BUS 113	Income Tax	4	ECO 102	Economics II	3
BUS 103	Principles of Accounting III	4	PSY 112	How to Deal with Stress	2
BUS 263	Principles of Finance	3	BUS 201	Intermediate Accounting	5
ECO 101	Economics I	3			
		18			16
					17
TOTAL CREDITS		103			

# BOOKKEEPING CLERK

## Certificate

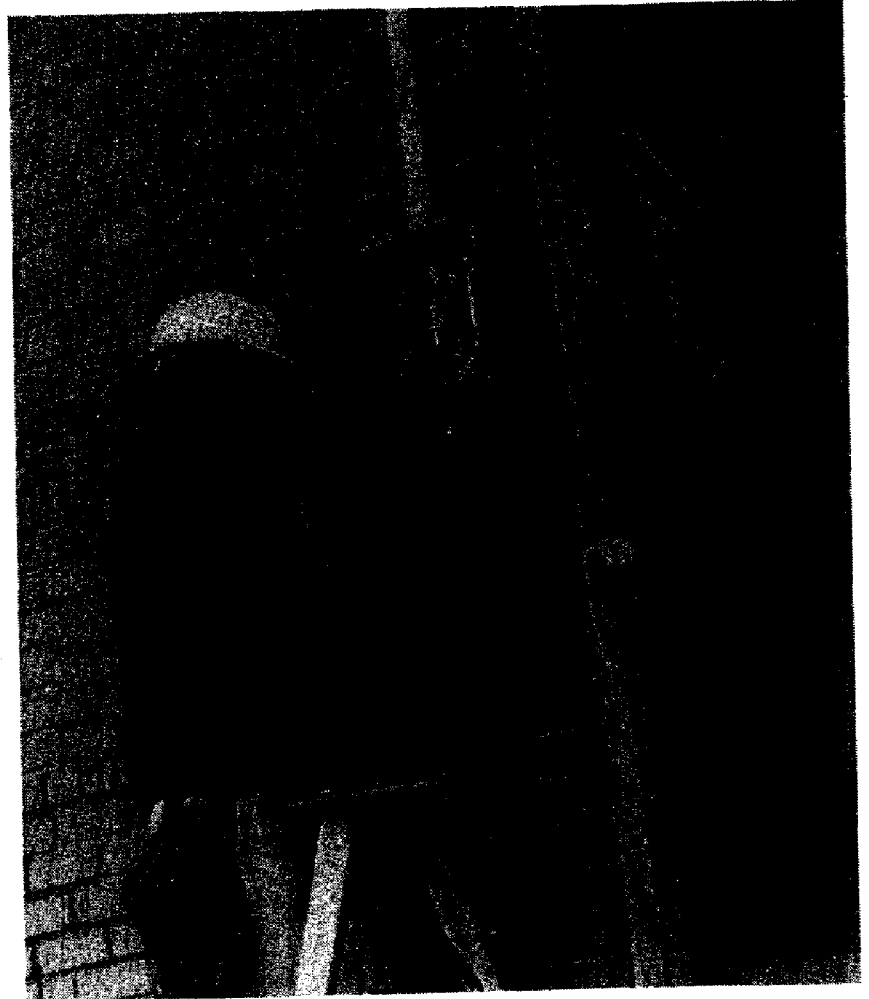
<i>Quarter I</i>		<i>Quarter II</i>		<i>Quarter III</i>				
BUS 135	Business Correspondence-English Usage	3	BUS 136	Business Correspondence-Style & Tone	3	BUS 104	Fundamentals of Accounting II	3
SEC 161	Beginning Typewriting	3	SEC 162	Intermediate Typewriting I	3	BUS 264	Records Management	3
BUS 143	Business Computations I	3	BUS 144	Business Computations II	3	PSY 103	Human Relations	4
BUS 060	Business Leadership Development I	1	BUS 100	Fundamentals of Accounting I	4	BUS 110	Introduction to Data Processing	2
BUS 107	Introduction to Business	4	BUS 270	Money Management	2	BUS 129	Principles of Insurance	3
BUS 111	Business Law I	3	BUS 112	Business Law II	3	BUS 105	Bookkeeping Simulation	3
		<u>17</u>			<u>18</u>			<u>18</u>
TOTAL CREDITS		53						

# CONSTRUCTION TRADES

The Construction Trades programs are designed to offer study in three areas. The curricula are: 1) a six month Certificate in Construction Carpenter; 2) a six month Certificate in Construction Electrician; and, 3) a six month Certificate in Construction Welder. These programs complete in the early spring of each year to provide optimum employment opportunities to the graduates. The following pages show these curricula.

In general, graduates of the Construction Carpenter program will be prepared for jobs such as: carpenter's helper and carpenter. Graduates of the Construction Electrician program will be prepared for jobs such as electrician's helper and electrician (State license exams may be taken only after the required amount of work experience is obtained). Graduates of the Construction Welder program will be prepared for jobs such as welder's helper and welder.

These programs are intensive full-time daytime programs and are scheduled for eight hours per day, five days a week.



# CONSTRUCTION CARPENTER Certificate

<i>Quarter I</i>	<i>Quarter II</i>	<i>Quarter III</i>
CRP 101 Tools, Materials, and Job Sites 15	CRP 102 Foundations, Floors & Wall Framing 15	CRP 103 Roof Framing, Exterior Finishes and Trim 15
LRC 040 Basic Skills I 3	LRC 041 Basic Skills II 3	PED 119 First Aid 3
<u>18</u>	<u>18</u>	<u>18</u>

### *Quarter IV*

CRP 104 Interior Trim and Finish 15	
PSY 102 Psychology of Employment 3	
<u>18</u>	

TOTAL CREDITS 72



# CONSTRUCTION ELECTRICIAN Certificate

<i>Quarter I</i>	<i>Quarter II</i>	<i>Quarter III</i>
ELC 101 Basic Electricity and Residential Wiring      15 LRC 040 Basic Skills I      3 <hr style="width: 10%; margin-left: auto; margin-right: 0;"/> 18	ELC 102 Commercial Wiring I      15 LRC 041 Basic Skills I      3 <hr style="width: 10%; margin-left: auto; margin-right: 0;"/> 18	ELC 103 Commercial Wiring II      15 PED 119 First Aid      3 <hr style="width: 10%; margin-left: auto; margin-right: 0;"/> 18
<i>Quarter IV</i>		
ELC 104 Power Supplies, Transformers and Motor Controls      15 PSY 102 Psychology of Employment      3 <hr style="width: 10%; margin-left: auto; margin-right: 0;"/> 18		
<b>TOTAL CREDITS      72</b>		

# CONSTRUCTION WELDER Certificate

<i>Quarter I</i>	<i>Quarter II</i>	<i>Quarter III</i>
WLD 111 Oxyacetylene and Basic Shielded Metal Arc Welding 15 LRC 040 Basic Skills I 3 <hr style="width: 10%; margin-left: auto; margin-right: 0;"/> 18	WLD 112 Advanced Shielded Metal Arc Welding—Structural and Pipe 15 LRC 041 Basic Skills II 3 <hr style="width: 10%; margin-left: auto; margin-right: 0;"/> 18	WLD 113 Gas Tungston Arc Welding—Structural and Pipe 18 <hr style="width: 10%; margin-left: auto; margin-right: 0;"/> 18
<i>Quarter IV</i>		
WLD 114 Gas Metal Arc Welding—Structural and Pipe 18 <hr style="width: 10%; margin-left: auto; margin-right: 0;"/> 18		
<b>TOTAL CREDITS</b> <b>72</b>		

# **ELECTRONICS TECHNOLOGY PROGRAM**

The Electronics Technology program is a basic and thorough coverage of fundamental theory with an emphasis in digital, logic circuit, and computer applications. The curriculum is a two-year Associate of Applied Science degree program in Electronics Technology.

In general, graduates of the Electronics Technology program will be prepared for jobs such as: electronics technician, industrial control technician, field technician, service technician, and production repair/control technician.

This program is offered in the late afternoon and evening hours. This allows for full or part-time employment during the day.



# ELECTRONICS TECHNOLOGY

## Associate of Applied Science Degree

<i>Quarter I</i>		<i>Quarter II</i>		<i>Quarter III</i>	
ELE 101 Circuits	10	ELE 102 Circuits & Semiconductors	10	ELE 103 Semiconductor Circuits	10
MAT 053 Elementary Algebra	5	ELE 104 Mathematics for Technicians	6	PSY 103 Human Relations	4
ELE 106 Soldering and Circuit Repair	2			PED 119 First Aid	3
	<hr/> 17		<hr/> 16		<hr/> 17
<i>Quarter IV</i>		<i>Quarter V</i>		<i>Quarter VI</i>	
ELE 201 Logic Circuits	10	ELE 202 Advanced Logic Circuits	10	ELE 203 Application of Logic Circuits and Linear Devices	10
COM 101 Communications I	3	COM 102 Communications II	3	ELE 211 Basic Microprocessors II	3
ELE 250 Boolean Algebra	3	ELE 210 Basic Microprocessors I	3	ELE 251 Basis Computer Language	3
	<hr/> 16		<hr/> 16		<hr/> 16
TOTAL CREDITS		98			

# L-P GAS PROGRAM

The L-P Gas program is designed to offer a broad coverage of the various jobs performed in a liquified petroleum wholesale/retail/service/operation. The curriculum is a seven month Certificate in L-P Gas Operations. This program completes in late August of each year to provide optimum employment opportunities to the graduates.

In general, graduates of the L-P Gas Operations program will be prepared for jobs such as: bulk delivery or cylinder delivery truck driver, bulk plant operator/repairman, equipment installer, and equipment serviceman.

This program is an intensive full-time daytime program and is scheduled for seven hours per day, five days a week.

## L-P GAS OPERATIONS Certificate

<i>Quarter I</i>		<i>Quarter II</i>		<i>Quarter III</i>	
LPG 100 L-P Basics	6	LPG 120 L-P Transfer	15	LPG 130 L-P Containers	9
LPG 105 L-P Gauges & Devices	7	& Delivery		& Installation	
LPG 110 Vehicle Care	2	LRC 041 Basic Skills II	3	LPG 135 Regulators	9
LRC 040 Basic Skills I	3			& Pipe	
				Installation	
	<u>18</u>		<u>18</u>		<u>18</u>
<i>Quarter IV</i>					
LPG 140 Safety & Emergency Procedures	6				
LPG 150 Basic Appliances	9				
PSY 102 Psychology of Employment	3				
	<u>18</u>				
<b>TOTAL CREDITS</b>		<b>72</b>			

# LAW ENFORCEMENT TECHNOLOGY\*

The Law Enforcement Technology program is designed to upgrade and consolidate the professional skills of employed law enforcement officers. The curriculum is a two-year Associate of Applied Science degree program.

This program is unique in several ways.

1. It is designed for employed law enforcement officers only, such as: city policemen, highway patrolmen, sheriff's office personnel, constables and the like.
2. It is a consortium program within several Colorado community colleges and the requirements are common among them as well as all work being fully transferable between the colleges.
3. A block of credits is awarded for the Colorado Law Enforcement Training Academy basic training that is completed by law enforcement officers.
4. Credits are negotiated and awarded for previous in-service training that fall within the program's requirements and electives.
5. Part-time enrollment is considered appropriate.

\*Pending approval by the Colorado Commission on Higher Education, Fall, 1980.

## LAW ENFORCEMENT TECHNOLOGY

### Associate of Applied Science Degree

Colorado Law Enforcement Training Academy  
Basic Training (awarded)

27 Credit Hours

#### In-Service Training-Required

Burglary and Robbery Investigation  
Officer Survival  
Crisis Intervention  
Patrol Problems  
Traffic Accident Investigation  
Civil Liabilities

4  
4  
4  
4  
8  
1

25 Credit Hours

#### In-Service Training-Elective

10 Credit Hours

This training may be from any recognized educational or law enforcement agency. Training must be documented as to content, length in hours, and successful completion. Negotiation for credit will be between the student and appropriate college officers.

**\*Related Training-Required**

COM 101 Communications I	3
COM 102 Communications II	3
SPE 101 Principles of Speech	3
MAT 050 Applied Mathematics	3
MAT 053 Elementary Algebra	4
	<hr/> 16

**\*Related Training-Elective**

Psychology (from current offerings)	9
Sociology (from current offerings)	6
Two from the following:	6
SPA 070 Spanish for Police Officers	
JOU 225 Introduction to Photography	
SEC 161 Beginning Typewriting	
PED 119 First Aid	
	<hr/> 21 Credit Hours

**TOTAL CREDITS** 99

\*These are M.C.C. courses only. See catalogs of other consortium institutions for specific course numbers and requirements.

## SECRETARIAL SCIENCE PROGRAMS

The Secretarial Science programs are designed to offer a broad opportunity for study and specialization. The curricula are: 1) a two-year Associate of Applied Science degree program in Secretarial Science; 2) a nine month Certificate program in Clerk Typist; and, 3) a nine month Certificate in Stenographer. The following pages show these curricula.

In general, graduates of the Secretarial Science program will be prepared for jobs such as: secretary, clerk-typist, records/filing clerk, stenographer, and administrative secretary. Graduates of the Clerk Typist program will be prepared for jobs such as: secretary, clerk typist, and records/filing clerk. Graduates of the Stenographer program will be prepared for jobs such as: secretary, stenographer, and records/filing clerk.

These programs are offered as full-time daytime programs as well as evening classes.

# SECRETARIAL SCIENCE

## Associate of Applied Science Degree

<i>Quarter I</i>			<i>Quarter II</i>			<i>Quarter III</i>		
BUS 135	Business Correspondence-English Usage	3	BUS 136	Business Correspondence-Style & Tone	3	SEC 163	Intermediate Typewriting II	3
SEC 161	Beginning Typewriting	3	SEC 162	Intermediate Typewriting I	3	SEC 254	Secretarial Procedures	5
BUS 143	Business Computations I	3	BUS 144	Business Computations II	3	BUS 104	Fundamentals of Accounting II	3
BUS 060	Business Leadership Development I	1	BUS 100	Fundamentals of Accounting I	4	SEC 153	Gregg Shorthand III	5
SEC 100	Secretarial Vocabulary Skills	1	SEC 152	Gregg Shorthand II	5	SEC 170	Duplicating Machines	1
SEC 151	Gregg Shorthand I	5				ENG 106	College Reading & Study Skills	1
ENG 104	College Reading & Study Skills	2						
	<hr/>	18		<hr/>	18		<hr/>	18
<i>Quarter IV</i>			<i>Quarter V</i>			<i>Quarter VI</i>		
SEC 164	Advanced Typewriting	3	SEC 241	Speed Dictation & Transcription II	5	SPE 101	Principles of Speech	3
SEC 240	Speed Dictation & Transcription I	5	SEC 245	Memory Typewriter	2	PSY 103	Human Relations	4
BUS 111	Business Law I	3	BUS 112	Business Law II	3	SEC 238	Machine Transcription	3
BUS 061	Business Leadership Development II	1	BUS 262	Business Management & Organization	3	BUS 264	Records Management	3
	Electives*	6	BUS 272	Office Management	3	BUS 115	Business Law III	3
			PSY 112	How to Deal with Stress	2	BUS 110	Introduction to Data Processing	2
	<hr/>	18		<hr/>	18		<hr/>	18
<b>TOTAL CREDITS</b>						<b>108</b>		

\*PED 119-First Aid (3)  
 ENG 107-Speed Reading (3)  
 PSY 113-General Psychology (3)  
 SOC 101-The Social Sciences (3)

Electives are selected with consent of the advisor.



# CLERK TYPIST Certificate

<i>Quarter I</i>	<i>Quarter II</i>	<i>Quarter III</i>
BUS 135 Business Correspondence-English Usage 3	BUS 136 Business Correspondence-Style & Tone 3	SEC 163 Intermediate Typewriting II 3
SEC 161 Beginning Typewriting 3	SEC 162 Intermediate Typewriting I 3	SEC 254 Secretarial Procedures 5
BUS 143 Business Computations I 3	BUS 144 Business Computations II 3	BUS 104 Fundamentals of Accounting II 3
BUS 060 Business Leadership Development I 1	BUS 100 Fundamentals of Accounting I 4	SEC 170 Duplicating Machines 1
BUS 107 Introduction to Business 4	BUS 270 Money Management 2	BUS 264 Records Management 3
ENG 104 College Reading & Study Skills 2	PSY 112 How to Deal with Stress 2	SEC 238 Machine Transcription 3
SEC 100 Secretarial Vocabulary Skills 1		
<hr style="width: 50px; margin-left: auto; margin-right: 0;"/> 17	<hr style="width: 50px; margin-left: auto; margin-right: 0;"/> 17	<hr style="width: 50px; margin-left: auto; margin-right: 0;"/> 18
TOTAL CREDITS 52		

# STENOGRAPHER Certificate

<i>Quarter I</i>	<i>Quarter II</i>	<i>Quarter III</i>
BUS 135 Business Correspondence-English Usage 3	BUS 136 Business Correspondence-Style & Tone 3	SEC 163 Intermediate Typewriting II 3
SEC 161 Beginning Typewriting 3	SEC 162 Intermediate Typewriting I 3	SEC 254 Secretarial Procedures 5
BUS 143 Business Computations I 3	BUS 144 Business Computations II 3	SEC 153 Gregg Shorthand III 5
BUS 060 Business Leadership Development I 1	BUS 100 Fundamentals of Accounting I 4	SEC 170 Duplicating Machines 1
SEC 100 Secretarial Vocabulary Skills 1	SEC 152 Gregg Shorthand II 5	BUS 264 Records Management 3
SEC 151 Gregg Shorthand I 5		
ENG 104 College Reading & Study Skills 2		
<hr style="width: 50px; margin-left: auto; margin-right: 0;"/> 18	<hr style="width: 50px; margin-left: auto; margin-right: 0;"/> 18	<hr style="width: 50px; margin-left: auto; margin-right: 0;"/> 17
<b>TOTAL CREDITS</b> 53		

# SWINE PROGRAMS

The Swine programs are designed to allow students to pursue a course of study to meet their individual needs. The curricula are: 1) a two-year Associate of Applied Science degree program in Swine Technology, and, a nine month Certificate program in Swine Production. The following pages show these curricula.

In general, graduates of the Swine Technology program will be prepared for jobs such as: swine herdsman, swine farrower, swine nurseryman, swine finisher, swine marketer, and swine operations manager trainee. Graduates of the Swine Production program will be prepared for jobs such as: swine herdsman, swine farrower, swine nurseryman, and swine finisher.

These programs are offered as full-time daytime programs as well as evening classes.

On-the-job training can be located in Colorado or other states, and must be in swine production. All on-the-job training sites must be approved by the instructor. Two-year program students may find that their on-the-job training employers expect them to continue work during the summer months.

## SWINE TECHNOLOGY Associate of Applied Science Degree

<i>Quarter I (Fall)</i>			<i>Quarter II (Winter)</i>			<i>Quarter III (Spring)</i>		
SWM 100	Farrowing & Nursery Procedures	5	SWM 105	Growing & Finishing Procedures	4	SWM 191	On-the-job Training	18
AGR 103	Disease Prevention	2	SWM 103	Swine Diseases I	3			
AGR 130	Basic Nutrition	4	SWM 135	Swine Nutrition	3			
SWM 102	Swine Selection	2	SWM 140	Swine Breeding & Gestation	4			
AGR 100	Construction & Maintenance I	2	AGR 101	Construction & Maintenance II	2			
SWM 101	Swine Anatomy and Physiology	2	AGR 104	O.J.T. Orientation	1			
		<hr/> 17			<hr/> 17			<hr/> 18

<i>Quarter IV (Fall)</i>		<i>Quarter V (Winter)</i>		<i>Quarter VI (Spring)</i>	
SWM 205 Swine Diseases II	3	SWM 200 Production Management I	4	SWM 225 Production Management II	3
SWM 208 Swine Facilities & Equipment	3	AGR 265 Agriculture Liability	2	AGR 235 Farm Taxes	3
AGR 270 Financial Management	3	AGR 260 Swine Marketing & Products	3	PED 119 First Aid	3
COM 101 Communications I	3	COM 102 Communications II	3	PSY 103 Human Relations	4
BUS 100 Fundamentals of Accounting I	4	AGR 250 Agriculture Accounting Elective**	2	AGR 200 Construction & Maintenance III	2
Elective*	<u>2</u>		3	AGR 240 Commodity Futures	2
	18		<u>17</u>		<u>17</u>
TOTAL CREDITS		104			

\*ENG 104, 105, 106 College Reading & Study Skills (Variable 1-3) MAT 021 Basic Math Skills (Variable 1-3)

\*\*SPE 101 Principles of Speech (3) OR ENG 107 Speed Reading (3)

Electives are selected with consent of the advisor.

## SWINE PRODUCTION Certificate

<i>Quarter I (Fall)</i>		<i>Quarter II (Winter)</i>		<i>Quarter III (Spring)</i>	
SWM 100 Farrowing & Nursery Procedures	5	SWM 105 Growing & Finishing Procedures	4	SWM 191 On-the-job Training	18
AGR 103 Disease Prevention	2	SWM 103 Swine Diseases I	3		
AGR 130 Basic Nutrition	4	SWM 135 Swine Nutrition	3		
SWM 102 Swine Selection	2	SWM 140 Swine Breeding & Gestation	4		
AGR 100 Construction & Maintenance I	2	AGR 101 Construction & Maintenance II	2		
SWM 101 Swine Anatomy and Physiology	2	AGR 104 O.J.T. Orientation	1		
	<u>17</u>		<u>17</u>		<u>18</u>
TOTAL CREDITS		52			