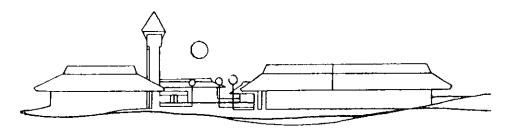
# FULTON-MONTGOMERY COMMUNITY COLLEGE

Johnstown, New York 12095

(518) 762-4651/829-7321

A Unit of the State University of New York Sponsored by the Counties of Fulton and Montgomery

1987-1989



Fulton-Montgomery Community College is an equal Opportunity, affirmative action institution. Programs and services at Fulton-Montgomery Community College are open to all without regard to sex, race, color, national origin or handicap.

## LIBERAL ARTS

## General Studies [A.A.]

A.P.C. - 250

This program is a university parallel program designed for students who intend to transfer to a four year institution. This program can be used either by students who are unsure of their plans and need maximum flexibility to explore their options or by students who wish to develop their curriculums within the requirements of the four year institution to which they intend to transfer.

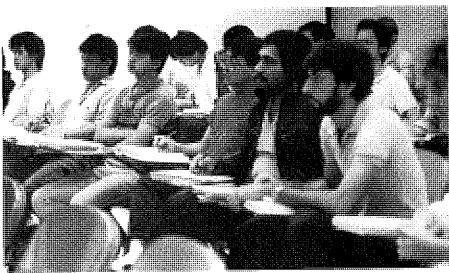
#### FIRST YEAR

First Semester EN 125 Freshman English I Social Science Elective Mathematics Elective Electives* Physical Education	3 3 3-4 6 1	Second Semester EN 126 Freshman English II Social Science Elective Science Elective Electives* Physical Education	3 3 3-4 6 1
<b>.</b>	16-17		16-17

#### SECOND YEAR

First Semester Humanities Elective Math/Science Elective Electives*	3 3-4 <u>9</u>	Second Semester Humanities Elective Social Science Elective Electives*	3 3 9
	15-16		15

\*At least sixteen hours of free electives must be selected from courses designated as Liberal Arts. These Liberal Arts courses should be selected so as to produce a balance among the areas of Humanities, Social Sciences, and Math/Science.



## Humanities and Social Sciences [A.A.] APC-201

This program is designed primarily for those students who plan to transfer to other colleges in programs leading to their bachelor's degree. This program should be followed by students interested in advanced study in humanities and social sciences or in teacher education programs leading to certification by New York State. Examples of such study are given on this page.

#### **FIRST YEAR**

First Semester		Second Semester	
EN 125 Freshman English I	3	EN 126 Freshman English II	3
Social Science Elective*	3	Social Science Elective*	3
Foreign Language	3	Foreign Language	3
Mathematics or Science	3-4	Mathematics or Science	3-4
Elective*	3-4	Elective*	3-4
Physical Education	1	Physical Education	1
	16-18		16-18

#### SECOND YEAR

First Semester		Second Semester	
Literature Elective**	3	Literature Elective**	3
Social Science Elective*	3	Social Science Elective*	3
Foreign Language or Elective	3-4	Foreign Language or Elective	3-4
Mathematics or Science	3-4	Mathematics or Science	3-4
Elective*	3-4	Elective*	3-4
	15-18		15-18

All students must complete 12 semester hours of English (EN 125, 126, plus 6 semester hours of literature), 12 semester hours of social science, a minimum of 6 semester hours in each of the following foreign language, mathematics, science; 2 semester hours of physical education, and additional electives to total 62 semester hours. At least 48 hours must be selected from the areas of liberal arts and sciences.

Students who wish to concentrate in one of the following areas should select from the courses identified below:

#### American Studies

\*SS 264, 282, 283, 284, 383 \*\*EN 233, 234

#### Theater

TH 101, 102, 105, 201, 202 EN 243, 245 MU 101, 102, 201

#### Behavorial Science

\* SS 281, 291, and one (1) political science elective should be taken the first year of study. Additionally, three (3) other courses chosen from the fields of psychology, sociology or political science should be completed. Mathematics elective should include MA 160

### Human Services [A.A.S.] APC-604

The Human Services program is designed for those students who intend to work, or are already working, in one of the many human services agencies in contemporary society. Such agencies include, but are not limited to, youth services agencies; agencies dealing with the handicapped; agencies dealing with the aged; and health related agencies. The program combines formal college course work with human service field experiences through internships, preparing graduates to move directly into employment. The program is flexible so that students may choose the courses and field experiences that are most appropriate to his/her interests and to his/her particular career goals.

This program is also designed for students planning on transferring to four-year colleges to earn a baccalaurate degree in human services related programs.

#### **FIRST YEAR**

First Semester		Second Semester	
EN 125 Freshman English I	3	EN 126 Freshman English II or	
SS 291 General Psychology	3	EN 127 Technical English	3
SS 281 Introduction to Sociology	3	Elective*	3
SC 141 Intro. to Biology or		MA 160 Statistics or Math Elective	3-4
BI 181 Anatomy and Physiology	3-4	Human Services Elective**	3
HS 110 Intro. to Human Services	3	Physical Education	1
Physical Education	1	SS 297 Developmental Psychology	3
	16-17		16-17

#### SECOND YEAR

First Semester		Second Semester	
HS 298 Human Services Internship	3	HS 299 Human Services Internship	3
HS 291 Human Service Skills I	1	HS 292 Human Service Skills II	1
HD 221 Human Relations and		Elective*	3
Group Dynamics	3	Elective*	3
Elective*	3	Elective***	3
Human Service Elective**	3	Elective	3
Elective***	3		16
	16		

Students planning to transfer to a four-year college should select electives to meet the requirements of the transfer institution.

<sup>\*</sup>At least four electives must be taken from the following: CJ 108, SS 292, SS 387, SS 264, SS 386, SS 282, SS 383, SS 294, HD 208, HE 235.

<sup>\*\*</sup>Human Service Electives: HS 211, HS 251, SS 299.

<sup>\*\*\*</sup>Suggested Electives: Foreign Languages.

## Fine Arts/Visual [A.A.] APC-664

This program is designed for students who wish to transfer and continue their studies for the Bachelor of Arts, Bachelor of Science, or Bachelor of Fine Arts degree, or for students seeking immediate employment. The opportunity is provided to develop basic concepts and skills in a wide variety of media while concentrating on the field of Art.

#### FIRST YEAR

First Semester		Second Semester	
EN 125 Freshman English I	3	EN 126 Freshman English II	3
Social Science Elective	3	Social Science Elective	3
Science Elective	3-4	Math Elective	3-4
AR 210 Drawing I	3	AR 211 Drawing II	3
AR 150 2D Design	3	AR 160 3D Design	3
Physical Education	_1	Physical Education	_1
	16-17		16-17

#### **SECOND YEAR**

First Semester		Second Semester	
Humanities Elective	3	Social Science Elective	3
Math/Science Elective	3-4	AR 300 Art Seminar	3
AR 220 Painting	3	Art Elective	3
Art Elective	3	Electives*	6
Elective*	_3		15
	15-16		

\*Electives should be selected to conform to the program requirements of the college or university to which the student plans to transfer.



## Crafts Management [A.A.S.] APC-671

Crafts Management is designed for students who wish to learn how to design, produce, and sell quality craft products. This program also provides the flexibility to allow students to transfer to baccalaureate degree programs in related fields. This program will meet the needs of the student that desires to achieve the background necessary to begin their own business in any artistic venture, i.e. craft shop, pottery shop, printmaking shop, etc.

#### FIRST YEAR

First Semester EN 125 Freshman English I Social Sciences Elective Science Elective AR 210 Drawing I AR 150 2D Design	3 3 3-4 3	Second Semester EN 126 Freshman English II Social Science Elective BU 103 Math of Bus. Finance AR 211 Drawing II AR 160 3D Design	3 3 3 3
Physical Education	1	Physical Education	_1
	16-17		16

First Semester Elective* Elective* BU 121 Accounting	3 3 3	Second Semester Elective* Elective* BU 165 Small Business Manag.	3 3 3
Mathematics Elective	3-4	BU 171 Business Law	3
Elective*	_3	Elective	3
	15-16	•	15

<sup>\*</sup>Four Electives must be selected from the following: AR 100, AR 200, AR 220, AR 221, AR 275, AR 300, ER 101, ER 102, ER 103, ER 150, ER 151.

<sup>\*\*</sup>Suggested Elective: BU 140, BU 141, or BU 137.

## **Business Administration [A.S.]** APC-671

This program is designed to prepare students to transfer to a four-year institution to complete a baccalaureate degree in business. The flexibility of this program permits students to meet the requirements of their intended transfer institutions.

Students transferring to four-year institutions may specialize there in a particular field such as finance, marketing, business management, or business education.

The following is a suggested sequence of courses:

#### **FIRST YEAR**

First Semester		Second Semester	
EN 125 Freshman English I	3	EN 126 Freshman English II	3
BU 121 Principles of Accounting I	3	BU 122 Principles of Accounting II	3
Math Elective**	3-4	Science Elective	3-4
Social Science Elective	3	Liberal Arts Elective	3
Business Elective	3	Business Elective	3
Physical Education	_1	Physical Education	_1
	16-17		16-17

#### SECOND YEAR

First Semester		Second Semester	
BU 171 Business Law I	3	BU 172 Business Law II	3
Economics Elective*	3	Computer Information Systems	
Business Elective	3	Elective	3
Liberal Arts Elective	3	Business Elective	3
Liberal Arts Elective	3	Liberal Arts Elective	. 3
	15	Elective***	3
	10		15

Sixty-two hours are required to complete this program.

NOTE: Business and other electives should be chosen on the basis of the requirements of the four-year institution to which transfer is anticipated.

\*EC 281 or EC 282 recommended.

\*\*MA 154 Precalculus math level or higher.

\*\*\*May need to be Liberal Arts for 30 credit total.

### Computer Science [A.S.] Business Concentration APC-532

The two-year Computer Science (Business Concentration) Program is designed for students who plan to transfer and continue their studies in programs leading to the Bachelor's degree, or who plan to seek immediate employment. The program emphasizes a theoretical understanding of computers in combination with business oriented languages and applications.

#### FIRST YEAR

First Semester EN 125 Freshman English I CS 110 Intro. to Computers CS 122 Programming RPG MA 157 A. Geom. Calc. I Science Elective*	3 3 3 4 3-4	Second Semester EN 126 Freshman English II CS 113 Programming Assembler CS 121 Programming COBOL MA 158 A. Geom. Calc. II Science Elective*	3 3 3 4 3-4
- 111	16-17	ocience Liechve	<u>3-4</u> 16-17

#### SECOND YEAR

MA 257 A. Geom. Calc. III 4 MA 259 Linear Algebra 3	iff. Equations 4 near Algebra 3 e 3 ducation 1
17	17

BU 121, 122, 141 BU 152, 160 EL 232, 236 CS 120, 124, 130

Requirements are being revised; consult Advisement Office.

<sup>\*</sup>PH 171, PH 172 recommended.

<sup>\*\*</sup>Recommended electives include:

### Computer Science [A.S.] Mathematics/Science Concentration APC-532

The two-year Computer Science (Mathematics/Science Concentration) Program is designed for students who wish to transfer and continue their studies in programs leading to the Bachelor's degree, or who wish to seek immediate employment. The program provides a theoretical understanding of computers, while emphasizing mathematical and scientific applications. Languages appropriate to those areas are also studied.

#### FIRST YEAR

First Semester		Second Semester	
EN 125 Freshman English I	. 3	EN 126 Freshman English II	3
SS Elective	3	SS Elective	3
CS 110 Intro. to Computers	3	CS 113 Programming Assembler	3
MA 157 A. Geom. Calc. I	4	MA 158 A. Geom. Calc. II	4
Science Elective*	3-4	Science Elective*	3-4
	16-17		16-17

#### SECOND YEAR

First Semester		CS Elective	3
CS 120 Programming FORTRAN	3	CS 121 Programming COBOL	3
CS Elective	3	MA 258 Diff. Equations	1
MA 257 A. Geom. Calc. III	4	MA 259 Linear Algebra	3
Physical Education	i	Physical Education	1
**Electives	6	**Electives	3
		=100114 00	
	17		17

CS Electives:	CS 122	CS 130
	CS 123	CS 133
	CS 124	CS 135

EL 232 Digital Electronics EL 236 Introduction to Microcomputers

Requirements are being revised; consult Advisement Office.

\*PH 171, PH 172 recommended.

<sup>\*\*</sup>Recommended electives include:

## Mathematics and Science [A.S.] APC-221

This program is designed for students who plan to transfer and continue their studies in programs leading to Bachelor's degree with particular emphasis on advanced study in the sciences and mathematics. Preparation for the professional fields of mathematics, the sciences, medicine and dentistry as well as teaching science and mathematics on the elementary and secondary levels can be initiated with this program.

#### FIRST YEAR

First Semester EN 125 Freshman English I *Social Science Elective Foreign Language Mathematics Science Physical Education	3 3 3-4 3-4 16-18	Second Semester EN 126 Freshamn English II *Social Science Elective Foreign Language Mathematics Science Physical Education	3 3 3-4 3-4 16-18
---	-------------------------------	---	-------------------------------

#### SECOND YEAR

First Semester	3-4	Second Semester	3-4
Mathematics	3-4	Mathematics	3-4
Science	3	Science	3
Foreign Language or Elective	<u>6</u>	Foreign Language or Elective	<u>6</u>
Electives	15-17	Electives	16-17

Students may concentrate in areas such as Biology, General Science, Geology, Mathematics, Pre-Med, or Physics. Sample concentrations are shown below:

Mathematics, Fre-Med, of Frigores, Co.	F
Biology	Mathematics
BI 171, 172, 173	MA 157**, 158, 257, 258, 259
CH 173, CH 174 MA 157**, MA 158, MA 160	Pre-Med BI 171, 172, 173, 181, 182
Physics	CH 173, 174 MA 157**, 158
PH 171, 172, 271	PH 171, 172
ES 236	
MA 157**, 158, 257, 258	

All students must complete 12 semester hours of humanities (EN 125, EN 126, and 6 semester hours of foreign language), 6 semester hours of social science, 4 mathematics courses, 4 science courses, and 2 semester hours of physical education, and additional electives to total 62 semester hours. At least 48 semester hours must be selected from the liberal arts and sciences.

<sup>\*</sup>Social Science elective may be postponed until the second year.

<sup>\*\*</sup>Prerequisite courses available.

## Mathematics and Science [A.S.] APC-221

## Mathematics Concentration for Prospective Teachers

This concentration within the Mathematics and Science Program will give the student, planning to major in elementary education with a mathematics concentration or in early secondary mathematics education, the liberal arts and sciences background to transfer to a four-year college which offers a degree in education. Those preparing for secondary mathematics teaching should consider the mathematics concentration.

#### **FIRST YEAR**

First Semester		Second Semester	
EN 125 Freshman English I	3	EN 126 Freshman English II	3
Foreign Language	3	Foreign Language	3
Mathematics*	3-4	Mathematics*	3-4
Science Elective	3-4	Science Elective	3-4
3 CS modules	_3	CS 120 or CS 124	_3
	15-17		15-17

First Semester		Second Semester	
Mathematics*	. 3-4	Mathematics*	3-4
Science Elective	3-4	Science Elective	3-4
SS 291 Gen. Psychology	3	SS 297 Develop. Psychology	3
SS 281 Sociology	3	Elective	3
Foreign Language or Elective	3	Foreign Language or Elective	3
Physical Education	1	Physical Education	1
	16-18		16-18

<sup>\*</sup>Mathematics courses must be chosen from: MA 154, MA 160, MA 157, MA 158, MA 257, MA 258, MA 259.

## Mathematics and Science [A.S.] APC-221 Biology Concentration

This concentration within the Mathematics and Science program is recommended for students who plan to transfer and continue their studies in biology leading to a Bachelor's degree. Preparation for the professional fields of biological sciences, for a career in industry, research, government, or teaching can be initiated with this program.

#### FIRST YEAR

First Semester EN 125 Freshman English I Social Science Elective Foreign Language MA 154 Precalculus BI 171 Modern Biology	3 3 4 4 17	Second Semester EN 126 Freshman English II Social Science Elective Foreign Language MA 160 Statistics BI 172 Plant Biology Physical Education	3 3 3 4 1
		-	17

First Semester MA 157 A. Geo. & Calc. I CH 173 Chemistry I Foreign Language or Elective Elective Physical Education	4 4 3 3 1	Second Semester MA 158 A. Geo. & Calc. II CH 174 Chemistry II Foreign Language or BI 176 Ecology BI 173 Animal Biology	4 4 3 4
	15		15

## Mathematics and Science [A.S.] APC-221 Pre-Med Concentration

This concentration within the Mathematics and Science program is recommended for students who plan to transfer and continue their studies in medicine and dentistry.

#### FIRST YEAR

First Semester		Second Semester	
EN 125 Freshman English I	· 3	EN 126 Freshman English II	3
Social Science Elective	3	Social Science Elective	3
Foreign Language	3	Foreign Language	3
MA 154 Precalculus	4	MA 160 Statistics	3
BI 171 Modern Biology	4	BI 173 Animal Biology	4
Physical Education	_1	Physical Education	1
	18		17

First Semester		Second Semester	
MA 157 A. Geo. & Calc. I	4	MA 158 A. Geo. & Calc. II	4
PH 171 Physics I	4	PH 172 Physics II	4
Foreign Language or Elective*	3-4	Foreign Language or Elective*	3-4
CH 173 Chemistry I	4	CH 174 Chemistry II	4
	15-16		15-16

<sup>\*</sup>Suggested Electives: BI 181, BI 182, BI 282.

## Mathematics and Science [A.S.] APC-221 Physics Concentration

This concentration within the Mathematics and Science program is recommended for students who plan to transfer and continue their studies in Physics leading to a Bachelor's degree. Preparation for the professional field of physics for a career in industry, government, research, or teaching can be initiated with this program.

#### FIRST YEAR

First Semester		Second Semester	
EN 125 Freshman English I	3	EN 126 Freshman English II	3
Social Science Elective	3	Social Science Elective	3
Foreign Language	3	Foreign Language	3
MA 157 A. Geo. & Calc. I	4	MA 158 A. Geo. & Calc. II	4
PH 171 Physics I	4	PH 172 Physics II	4
•	17		17

First Semester		Second Semester	
MA 257 A. Geo. & Calc. III	4	MA 258 Differential Equations	4
PH 271 Physics III	4	ES 236 Mechanics: Dynamics or	
Foreign Language or Elective*	3	ES 281 Electric & Electric Circuits	3-4
CH 173 Chemistry I	4	Foreign Language or Elective**	3.
Physical Education	1	CH 174 Chemistry II	4
•	16	Physical Education	1
			15-16

<sup>\*</sup>Suggested Elective: CS 120, CS 123, or CS 124.

<sup>\*\*</sup>Suggested Elective: MA 259.

## Mathematics and Science [A.S.] APC-221

## **Mathematics Concentration**

This concentration within the Mathematics and Science program is recommended for students who plan to transfer and continue their studies in Mathematics leading to a bachelor's degree. Preparation for the professional field of mathematics leading to a variety of careers in industry, government, research and teaching can be initiated with this program.

#### FIRST YEAR

First Semester		Second Semester	
EN 125 Freshman English I	3	EN 126 Freshman English II	3
Social Science Elective	3	Social Science Elective	3
Foreign Language	3	Foreign Language	3
MA 157 A. Geo. & Calc. I*	4	MA 158 A. Geo. & Calc. II	4
Science	3-4	Science	3-4
	16-17		16-17

4 4 3 3 1	Second Semester MA 258 Differential Equations PH 172 Physics II Foreign Language or Elective MA 259 Linear Algebra Physical Education	4 4 3 3 1
15		15
	4 3 3 1	4 MA 258 Differential Equations 4 PH 172 Physics II 3 Foreign Language or Elective 3 MA 259 Linear Algebra 1 Physical Education

<sup>\*</sup>Prerequisite courses available.

## Engineering Science [A.S.] APC-530

The Engineering Science Program closely parallels the first two years of the four-year college and university program in engineering. This fact enables graduates of the program to transfer, at the junior level, to such institutions and to specialize in any field of engineering. The strong emphasis placed on mathematics and physics also makes the Engineering Science Program the most appropriate course of study for those who wish to transfer and continue their studies in physics and applied mathematics.

Interest and motivation of the student are of paramount importance for succeeding in the program. A strong background in high school mathematics and physics is recommended for entrance to the program.

#### FIRST YEAR

First Semester		Second Semester	
PH 171 Physics I	4	PH 172 Physics II	4
MA 157 A. Geo. & Calc. I	4	MA 158 A. Geo. & Calc. II	4
CH 173 Chemistry I	4	CH 174 Chemistry II or Elective*	3-4
EN 125 Freshman English I	3	EN 126 Freshman English II	3
Physical Education	1	CS 120 Computer Programming	
•	16	(FORTRAN)**	_3
			17-18

#### SECOND YEAR

First Semester		Second Semester
ES 236 Mechanics: Statics	3	ES 236 Mechanics: Dynamics 3
PH 271 Physics III	4	ES 281 Electric & Electronic Circuits 4
MA 257 A. Geo. & Calc. III	4	MA 258 Differential Equations 4
Social Science Elective***	3	MA 259 Linear Algebra or Elective* 3-4
Physical Education	1	Social Science Elective*** 3
	15	Physical Education1
		17,18

Students are advised to select electives which are appropriate to the field of engineering in which they plan to major, and which meet the requirements of the college to which they plan to transfer.

Sixty-five semester hours are required to complete the program which must include 3 engineering science courses, 3 physics courses, 4 calculus courses, 1 computer programming course, 1 chemistry course, 2 English courses, 2 social science courses, 2 physical education courses, and at least two electives.

\*If two electives are chosen, at least one must be from the following:

MD 171 Engineering Graphics

BI 171 Modern Biology

BI 173 Animal Biology

BI 181-182 Anatomy and Physiology

\*\*May be postponed till the second year.

\*\*\*May be taken during the first year.

## Physical Education Concentration [A.S.] APC-220

This program is designed for students who plan to transfer and continue their studies leading to the Bachelor's degree in Physical Education. Preparation for advanced studies in Physical Education can be initiated from this program. This concentration should include the following:

#### **FIRST YEAR**

First Semester EN 125 Freshman English I Social Science Elective Science or Math Elective HE 135 Personal Health PE 201 Introduction to H.P.E.R. PE Elective 140 or 160 Series	3 3 3-4 3 3	Second Semester EN 126 Freshman English II Social Science Elective Science or Math Elective HE 136 Safety & First Aid PE 250 Lifetime Sports Series PE Elective 140 or 160 Series	3 3 3-4 3 2 1
PE Elective 140 or 160 Series	16-17	LE Eléctive 140 of 100 Series	15-16

#### SECOND YEAR

First Semester SS 291 General Psychology BI 181 Anatomy & Physiology I Humanities Elective Elective PE 241 General Aquatics for P.E. Majors PE 250 Lifetime Sports Series	3 4 3 3	Second Semester Social Science Elective BI 182 Anatomy & Physiology II Humanities Elective H.P.E.R. Electives	3 4 3 <u>6-8</u> 16-18
PE 250 Elietime Sports Series	<u>-2</u> 16		

Sixty-three semester hours are required for graduation, including two semester hours of physical education (PE 140 or 160 Series).

Liberal arts requirements are EN 125, EN 126, plus six additional semester hours in humanities; SS 291, plus nine additional semester hours in social science; and BI 181, BI 182, plus six additional semester hours in science and/or mathematics.

All Physical Education majors should earn four (4) participation credits, as established with Physical Education faculty counseling.

## Pre-Nursing Concentration [A.S.] APC-220

A PRE-NURSING TRANSFER PROGRAM is under development. For further information contact the Admissions Office.

## **Health Education Concentration [A.S.]** APC-220

This program is designed for students who plan to transfer and continue their studies leading to the Bachelor's degree in Health Education. Preparation or advanced studies in Health Education can be initiated from this program. This concentration should include the following:

#### **FIRST YEAR**

First Semester		Second Semester	
EN 125 Freshman English I	3	EN 126 Freshman English II	3
Social Science Elective	3	Social Science Elective	3
Science or Math Elective	3-4	Science or Math Elective	3-4
HE 135 Personal Health	3	HE 136 Safety & First Aid	3
PE 201 Introduction to H.P.E.R.	3	Elective	3
PE Activity	_1	PE Activity	_1
	16-17		16-17

#### SECOND YEAR

First Semester		Second Semester	
SS 291 General Psychology	3	Social Science Elective	3
BI 181 Anatomy & Physiology	4	BI 182 Anatomy & Physiology	4
Humanities Elective	3	Humanities Elective	3
HE 235 Community Health	3	Health Elective	3
Elective	3	Elective	3
	16		16

Sixty-four semester hours are required for an Associate in Science degree, including two semester hours of physical education.

The liberal arts requirements are: EN 125, EN 126, plus six additional semester hours in humanities; SS 291, plus nine additional semester hours in social science; and BI 181, BI 182, plus six additional hours in science and/or mathematics.

### **BUSINESS**

## Accounting [A.A.S.] APC-630

The accounting program provides the basic principles and procedures which are readily applicable to the problems students will meet in the business world of accountants and cost analyst trainees in numerous areas such as industry, finance, insurance, banking and government on the junior-management level.

The following is a suggested sequence of courses:

#### **FIRST YEAR**

First Semester EN 125 Freshman English I BU 101 Principles of Business BU 103 Mathematics of Business Finance BU 121 Principles of Accounting I Elective*	3 3 3 3	Second Semester EN 126 Freshman English II SS Social Science Elective Mathematics Elective* BU 122 Principles of Accounting II EC 180 Intro. to Economics Physical Education	3 3-4 3 3 1
	15		16-17

#### SECOND YEAR

First Semester BU 221 Intermediate Accounting I BU 171-172 or 254 Law CS 100, 102, 103 (Micro Use) SC Science Elective Physical Education Elective*	3 3 3 3.4 1 3	Second Semester BU 222 Intermediaate Accounting II BU 224 Cost Accounting Liberal Arts Elective Electives*	3 3 6 15
	16-17		

A total of 62 semester hours are required to complete the program, which must include a minimum of 15 semester hours of accounting courses. There is a minimum of 20 semester hours from liberal arts and sciences which must include EN 125, EN 126; three semester hours in the social sciences; three semester hours of mathematics other than business mathematics; three semester hours of science; three semester hours in economics, and an additional course in the liberal arts and sciences. Two semester hours of physical education are also required.

\*It is strongly recommended that more than one mathematics course be taken in this program. Other suggested electives: BU 133, BU 134, BU 173, BU 225, CS 121, MA 154.

## **Business Administration [A.A.S.]** APC-632

The Business Administration Program is designed to provide an exposure to various areas of business-related operations. It also allows for concentration as desired in Retailing, Mid-management, General Finance, or Basic Business. The course concentrations provide a foundation for middle management positions in the field of insurance, retailing, banking, civil service, finance, sales, and administrative management in various types of organizations.

The following is a suggested sequence of courses:

#### FIRST YEAR

First Semester	•		Second Semester	
BU 101 Princij	oles of Business	3	EN 126 Freshman English II	3
BU 103 Math.	of Bus. Finance	3	BU 122 Principles of Accounting II	3
BU 121 Princip	oles of Accounting I	3	Social Science Elective	3
EN 125 Freshr	nan English I	3	Mathematics Elective	3
Elective**		3-4	Elective	3
		15-16	Physical Education	_1
				16

#### SECOND YEAR

First Semester		Second Semester	
Science Elective	3	Liberal Arts Elective	3
BU* Course Option	6	BU* Course Option	6
Elective**	3-4	Electives**	6
EC 180 Intro to Economics	3		15
Physical Education	_1		10
	16-17		

Students planning to transfer should select their liberal arts and sciences to meet the requirements of the four-year institutions which they plan to attend. Also see A.S. program.

\*Business Administration majors should take four courses in one of the following areas of concentrations:

Retailing	Management	
BU 141 Marketing	BU 151 Persor	nnel Management
BU 170 Advertising		ction Management
BU 171, 172, or 254 Law	BU 171, 172, o	r 254 LAW
BU 243 Retail Management	BU 261 Manag	gement Accounting
General Finance	BU 179 Busine	ess Organizations
BU 160 Introduction to Finance	Recommended	l Electives
BU 164 Credit Administration	BU 133	BU 173
BU 171, 172, or 254 Law	BU 134	BU 250
BU 262 Introduciton to Investments	BU 165	CS 110
CS 110 Introduction to Computers	•	

<sup>\*\*</sup>Sixty-two hours are required to complete this program, which must include a minimum of 20 semester hours in liberal arts and science (this includes those specified above), plus physical education.

### Busines Data Processing [A.A.S.] APC-636

### (Computer Information Systems)

This curriculum is structured along the lines of career interests and job skills required by students who plan to enter the field of computer information systems.

The courses emphasize intensive practical problem solving skills, use of computers and business-oriented programming languages to solve business, government, and administrative problems, development of written and oral communication skills, and a core of business courses to achieve a well-rounded business and financial background.

Graduates will have sufficient knowledge to function as applications programmers, programmer/analysts, junior systems analysts and CIS management trainees.

The contents of this curriculum follow (and exceed) the guidelines for the CIS Programming Track suggested by the DPMA Education Foundation, October 1985.

Program prerequisite: H.S. Algebra, MA 147, concurrent Algebra enrollment, or permission of instructor.

#### **FIRST YEAR**

First Semester		Second Semester	
EN 125 Freshman English I	3	EN 126 Freshman English II	3
CS 110 Intro to Computers	3	CS 113 Programming Assembler	3
CS 122 Programming RPG	3	CS 121 Programming COBOL	3
BU 101 Principles of Business	3	BU 121 Principles of Accounting I.	3
Mathematics Elective	3-4	Liberal Arts Elective	3-4
Physical Education	_1	Physical Education	_1
	16-17		16-17

#### SECOND YEAR

First Semester		Second Semester	
BU 122 Principles of Accounting II	3	CS Elective	3
CS 133 Advanced Programming		CS 135 Systems Anal. & Design	3
Techniques	3	Social Science Elective	3
SC Science Elective	3-4	Electives	6
Liberal Arts Elective	3		15-16
Business Elective	_3		
	15-16		

Recommended Electives: BU 141, BU 152, BU 160, BU 173, BU 221, BU 224, EC 180, MA 157, CS 100, CS 101, CS 102, CS 103, CS 124.

A total of 62 semester hours are required to complete the program, made up of the following:

Computer Information Systems: 21 semester hours (including CS 110, CS 113, CS 121, CS 122, CS 133, CS 135).

Physical Education: 2 semester hours.

Liberal Arts: 20-21 semester hours (including EN 125, EN 126, 3-4 semester hours in Mathematics, 3-4 semester hours in Science, and 3 semester hours in Social Science).

Business: 12 semester hours (including BU 101, BU 121, BU 122).

General Electives: 7 semester hours.

### Secretarial Science [A.A.S.] APC-625

The Secretarial Science Program provides the necessary foundation for positions as administrative assistants, secretaries, stenographers, and receptionists in traditional office and offices with word processing in business, government, and industry.

#### FIRST YEAR

First Semester		Second Semester	
BU 133 Beginning Keyboarding or		BU 183 Intermediate Shorthand	4
BU 134 Intermediate Keyboarding*	3	BU 137 Business Communications	3
BU 131 Beginning Shorthand or		Social Science Elective	3
Electives	5	BU 239 Intro to Word Processing	3
EN 125 Freshman English I	3	Bu 134 Intermediate Keyboarding or	J
Mathematics or Science**	3-4	BU 234 Advanced Keyboarding*	2
Physical Education	1	=	
		•	16
	15-16	•	

#### SECOND YEAR

First Semester		Second Semester	
BU 233 Advanced Shorthand	4	BU 236 Administrative Support	
BU 235 Administrative Support		Procedures II	3
Procedures I	3	Business Elective	3
Liberal Arts or Concentration***	3-4	Liberal Arts or Concentration***	3
Liberal Arts Elective	3	Liberal Arts Elective	6-7
BU 230 Machine Transcription	3	•	15-16
Physical Education	1		19-10
	17-18		

A minimum of 20 semester hours of liberal arts and science courses in addition to 2 semester hours of physical education is required for graduation.

\*Depending on preparation—completion of BU 234 required for graduation.

\*\*A biological science course is recommended for those students planning to take the medical secretary concentration and who have not completed a high school biology course.

\*\*\*Secretarial Science majors who wish to concentrate in one of the following areas, should take the courses identified below:

Medical Secretary
Medical-Related Elective
Medical-Related Elective
BU 233 Advanced Shorthand
(including Medical Module)

Legal Secretary
Business Law I, II or BU 254
BU 234 Advanced Typewriting
(including Legal Typing Module)

### Word Processing Specialist Concentration [A.A.S.] APC-625

The Word Processing Specialist Concentration Program provides the necessary foundation for positions in offices with word processing in business, government, and industry. Program prerequisite: BU 133 Beginning Keyboarding or equivalent. The following is a suggested sequence of courses.

#### FIRST YEAR

First Semester		Second Semester	
BU 134 Intermediate Keyboarding*	3	BU 234 Advanced Keyboarding or	
BU 239 Introduction to Word	•	Elective*	3
Processing	3	English Elective	3
EN 125 Freshman English I	3	GA 104 Typography	3
GA 101 Graphic Arts I**	3	BU 230 Machine Transcription	3
Liberal Arts Elective	3	BU 240 Word Processing	
Physical Education	1	Applications	3
•	16	Physical Education	_1
			16

#### SECOND YEAR

First Semester		Second Semester	
BU 235 Adm. Support Procedures I	3	BU 236 Adm. Support Procedures II	3
Social Science Elective	3	CS 110 Intro. to Computers	3
BU 179 Business Organizations	3	BU 259 Word Processing	
HD 221 Human Relations &		Management	3
Group Dynamics	3	Mathematics or Science	3-4
Elective	3	Liberal Arts Elective	3
	15	1	5-16

A minimum of 20 semester hours of Liberal Arts and Science courses in addition to 2 semester hours of Physical Education is required for graduation.

Suggested Electives:	EN 257 Creative Writing
AR 150 Basic Design	GA 103 Graphic Arts II
BU 103 Math of Business Finance	GA 107 Production Management
BU 137 Business Communications	HD 100 Studies of the Person
BU 151 Personnel Management	HU 254 Logic and Argument
BU 250 Management Decision Making	SS 291 General Psychology
EN 127 Technical English	EC 183 Consumer Economics
EN 132 Speech	BU 131 Shorthand
Spanish or other foreign language	BU 249 Info/WP Practicum

<sup>\*</sup>A student must have completed BU 133 or equivalent. A student must be typing at least 35 net words a minute at the end of BU 134.

<sup>\*\*</sup>Laboratories meet at the Vo-Tech Center. Students make own transportation arrangements.

### TECHNOLOGIES Automotive Technology [A.A.S.] APC-525

Automotive Technology Program is designed to produce persons who, in addition to being knowledgeable in their chosen field, will have a basic background in the Arts and Sciences. Students in this program are expected to provide their own safety footwear, limited hand tools, and other personal items appropriate for automotive laboratory classes.

#### **FIRST YEAR**

First Semester		Second Semester	
AT 121 Introduction to		AT 123 Internal Combustion	
Automotive Function**	3	Engine Support Systems**	3
AT 122 Theory of Internal		Mathematics or Elective*	3-4
Combustion Engines**	3	SC 162 Introduction to Physics II	3
Mathematics*	3-4	EN 125 Freshman English I	3
SC 161 Introduciton to Physics I	3	Social Science Elective	3
AT 124 Automotive Electrical		Physical Education	1
Systems	3	•	16-17
Physical Education	1		
	16-17		

#### SECOND YEAR

First Semester		Second Semester	
AT 225 Automotive Chassis		AT 227 Electronic Engine	
Systems**	3	& Chassis Analysis**	3
EN 126 Freshman English II or		AT 228 Consumer Relations	
EN 127 Technical English	3	& Services	3
Electives	6	AT 226 Power Trains—Design	
Social Science Elective	3	Features & Analysis	3
	15	Electives	6
	10		15

\*Math placement depending upon preparation, competence at level of MA 142 or higher required.

Suggested Electives: BU 101, BU 103, EL 125, HD 150, MA 144, MD 171.

Minimum of 62 semester hours required for graduation, including two hours of physical education.

\*\*Course meets at the Voc-Tech Center. Students make own transportation arrangements.

### Construction Technology [A.A.S.] APC-540

The Construction Technology curriculum is designed to prepare technicians to secure gainful employment with contractors, engineers, architects, public works departments, and material manufacturers. The technical education offered in this curriculum contains a well-designed balance of theories and laboratory studies, providing a graduate with a broad knowledge of the construction field. Students in this program are expected to provide their own safety footwear, limited hand tools and personal items appropriate for construction technology laboratory classes.

#### FIRST YEAR

First Semester		Second Semester	
CT 121 Introduction to Building		CT 123 Light Frame	
Trades and Construction		Construction II**	3
Materials**	3	CT 124 Blueprint Reading	3
CT 122 Light Frame		Elective	3
Construction I**	3	EN 126 Freshman English II or	
SC 161 Introduction to Physics	3	EN 127 Technical English	3
EN 125 Freshman English I	3	Mathematics or Elective*	3
Mathematics*	3-4	Physical Education	1
Physical Education	1	·	16-17
	16-17		

#### SECOND YEAR

First Semester Second Semester	
CT 225 Masonry, Concrete and CT 228 Estimating	3
Steel Construction** 3 CT 229 Electrical W	iring 3
CT 226 Plumbing & Climate CR 230 Principles o	f Soils** 1
Control** 3 Social Science Elect	ive 3
Elective 3 SU 101 Surveying I	3
MD 171 Engineering Graphics 3 MD 180 Architectur	al Drafting 3
Social Science Elective 3	16
15	10

An Alternate Energy Concentration may be elected by construction technology majors. A proficiency in at least 9th grade Algebra is required to elect this concentration.

The following electives should be taken: Alternate Energy I, Alternate Energy II, Introduction to Physics II, Technical Mathematics II.

Minimum of 63 semester hours required for graduation, including two hours of physical education.

Suggested Electives: BU 101, BU 103, BU 121, BU 171, HD 150, MA 144, MA 151, EL 125, CT 131, CT 132.

\*Math placement depending upon preparation, competence at level of MA 142 or higher required.

\*\*Course meets at sites other than main campus. Students make own transportation arrangements.

### Criminal Justice [A.A.S.] APC-640

This program is designe'd to prepare students for careers with federal, state, county and local law enforcement organizations. The courses are concerned with fulfilling the educational needs of students, both male and female, aiding them in becoming efficient and knowledgeable criminal justice personnel. The program is open, as well, to those who are currently employed in law enforcement.

STUDENTS PLEASE NOTE: Many criminal justice agencies require applicants to meet qualifying entrance requirements. Students pursuing careers in these agencies should be aware of conditions that may disqualify applicants for employment, based on health, physical conditions, or character.

#### FIRST YEAR

First Semester		Second Semester	
EN 125 Freshman English I	3	EN 126 Freshman English II	3
CJ 106 Introduction to		CJ 104 Criminal Law II	3
Criminal Justice	3	CJ 105 Fundamentals If	v
Elective or Science		Criminal Investigation	3
(SC 130 suggested)	3-4	Mathematics	J
SS 281 Introduction to Sociology	3	(MA 160 suggested)	3-4
CJ 103 Criminal Law I	3	SS 291 General Psychology	3
Physical Education	. 1	Physical Education	1
	16-17		16-17
			10,11

#### SECOND YEAR

First Semester		Second Semester	
CJ 112 Introduction to		HU 258 Ethics or	
Police Organization		Liberal Arts Elective	3
& Management	3	CJ 107 Police Community Relations	3
CS 110 Introduction to Computers	3	CJ 111 Introduction to	•
EN 132 Speech	3	Public Administration	3
CJ 109 Criminology	3	Social Science Elective	3
Elective or Science		Elective	3
(SC 130 suggested)	3-4		15
1	5-16		13

Recommended Electives: CJ 108, CJ 113, CJ 118, CJ 121.

Minimum of 62 semester hours required for graduation, including two hours of physical education and a minimum of 3 hours of science.

### Electrical Technology [A.A.S.] (Electronics Technology) APC-555

This program is designed for those students who plan to seek employment after two years at Fulton-Montgomery Community College as engineering technicians, electrical draftsmen, lab assistants and service technicians. The program also prepares students for transfer into Bachelor of Technology programs. An interest in electricity and electronics and a degree of manual dexterity are assets. Students in this program may be required to provide their own electronic calculators and small hand tools.

Prerequisite: High school algebra. Trigonometry and physics are desirable. If a student's math-science level of competence does not equal or exceed the prerequisite, that student should consider a pre-technology course of study.

#### FIRST YEAR

First Semester		Second Semester	
EN 125 Freshman English I	3	EN 126 Freshman English II or	
EL 125 Electricity I	4	EN 127 Technical English	3
MA 161 Mathematics for Electrical		EL 126 Electricity II	4
Technology or		EL 127 Instrumentation	2
MA 157 Calculus	4	MA 162 Mathematics for Electrical	
SC 161 Introduction to Physics or		Technology or	
PH 171 Physics	3-4	MA 158 Calculus	4
Physical Education	1	SC 162 Introduction to Physics	3-4
·	15-16	Physical Education	_1
			17-18

#### SECOND YEAR

First Semester		Second Semester	
EL 229 Electronics I	5	EL 230 Electronics II	5
EL 231 Electrical Machines	3	EL 235 Industrial Electronics	
EL 232 Digital Electronics	3	and Robotics	3
MD 176 Electrical Graphics	2	EL 236 Intro. to Microcomputers	4
Social Science Elective	3	Social Science Elective	_3
	16		15

Students planning to transfer should see an advisor for appropriate course selection. The following courses are recommended by most four-year institutions for students in Electrical Technology: MA 157, MA 158, PH 171, PH 172, and Computer Programming as available.

Minimum of 63 hours required for graduation including 2 hours of physical education.

## Food Service Administration [A.A.S.] APC-570

The Food Service Administration curriculum is designed to develop technical competence and prepare students for supervisory trainee positions in the food processing, restaurant and related industries. It also allows for concentration in Institutional Foods, Restaurant Management, or Food and Science. Students in the program are expected to provide their own white uniforms and other appropriate items for use in food service laboratory classes. Uniform specifications will be provided by the instructor.

#### FIRST YEAR

		~	
First Semester		Second Semester	
FS 121 Intro. to Food Service		FS 123 Food Purchasing**	2
& Sanitation	3	FS 124 Food Preparation II**	3
FS 122 Food Preparation I**	3	HE 125 Advanced Nutrition	3
HE 121 Nutrition	3	EN 126 Freshman English II or	Ü
EN 125 Freshman English I	3	ENG 127 Technical English	2
SC 141 Intro. to Biology I,		BU 103 Math of Business Finance	3
BI 171, or BI 181	3-4	Physical Education	1
Physical Education	1	2 daoddoll	
· ·	16.17		16
	16-17		

#### SECOND YEAR

	LOUID	LAN	
First Semester		Second Semester	
FS 224 Hospitality Management**	3	FS 227 Food Service Organization	
FS 225 Food & Beverage		& Management**	3
Cost Control**	3	FS 228 Food Service Seminar*	3
Social Science Elective	3	Concentration Elective*	3
Concentration Electives*	6	Social Science Elective	່າ
			o
	15	FS 130 Quality Food Internship	_3
•			15

Minimum of 62 semester hours required for graduation, including two hours of physical education, plus 20 semester hours of Liberal Arts.

\*Food Service Majors should take courses in one of the following areas of concentration:

Institutional Foods FS 226 Baking & Pastry FS 126 Diet Therapy HD 221 Human Relations & Group Dynamics or FS Elective	Restaurant Management BU 121 Accounting I BU Elective HD 221 Human Relations & Group Dynamics or Business Elective
F 100	

Food & Service Studies SC/BI/CH Elective SC 170 Intro. Chemistry or CH 173 MA/SC Elective

Recommended Electives BU 101, BU 122, BU 171, BU 153, BU 140, BU 137 FS 126, FS 130, FS 226 MA 150, MA 160 SC 131, SC 172, BI 181, BI 182

\*\*Course may meet at site other than main campus. Students make own transportation arrangements. Students are required to purchase and maintain supportive utensils and clothing.

## Leather Technology [A.A.S.] APC-454

This program is designed to prepare students for careers in the leather industry. The courses are concerned with fulfilling the educational needs of students, aiding them in becoming efficient, knowledgeable, and skilled leather personnel.

The program is offered evenings to serve those who are currently employed in the local leather industry.

#### FIRST YEAR

First Semester	•	Second Semester
EN 125 Freshman English I	3	English Elective (EN 126, 127, or 132) 3
Math Elective	3-4	Math/Science Elective 3-4
Chemistry	3-4	Liberal Arts Elective 3
BU 101 Principles of Business	3	Business Elective 3
LT 101 Intro. to Leather		LT 102 Intro. to Leather
Technology I	3	Technology II 3
Physical Education	_ 1	Physical Education 1
•	16-18	16-17

#### SECOND YEAR

First Semester		Second Semester	
LT 221 Principles of Leather		Social Science Elective	3
Technology (Pre-tanning)	3	LT 223 Leather Finishing	3
LT 222 Leather Tanning and		Leather Technology Elective	3
Coloring	3	Business Elective	3
Leather Technology Elective	3	Elective	3
Business Elective	3		15
Elective	3		10
	15		

Suggested Electives: Biology, BI 282, Chemistry, BU 121, BU 122, BU 151, BU 153, BU 224, EC 180, CS 110, CS 123, NR 126, LT 130, LT 224, or LT 230.

Minimum of 62 semester hours required, including two hours of Physical Education and a minimum of 20 semester hours in Liberal Arts and Science.

### Natural Resources Conservation [A.A.S.] APC-617

The Natural Resources Conservation curriculum is designed to provide students with the educational background required to actively seek employment from government and private agencies in the areas of lands, parks and wildlife management. The Program has developed a close working relationship with the NYS Department of Environmental conservation and additional work experience-related independent study credits are available during summers, winter intersession and fall and spring semesters. The program can also provide the flexibility to allow students to transfer to baccalaureate degree programs in conservation.

The SUNY College of Environmental Science and Forestry, and the SUNY College at Plattsburg provide upper division transfer programs in Environmental and Resource Management. In addition, Haywood Technical College (Clyde, North Carolina) provides the following certificate programs: Sawyer, Saw Filer, and Lumber Specialist. Students planning to transfer to these institutions must consult with their Instructor or see a Counselor before they begin their study at Fulton-Montgomery Community College.

#### **FIRST YEAR**

First Semester		Second Semester	
NR 121 Fisheries and Wildlife		NR 122 Fisheries and Wildlife	
Management I**	3	Management II**	3
Social Science Elective	3	BI 173 Animal Biology	4
EN 125 Freshman English I	3	EN 126 Freshman English II or	
Mathematics or Elective*	3-4	EN 127 Technical English	3
Sc 141 Introductory Biology I or		Mathematics	4
BI 171 Modern Biology	3-4	BI 176 Biology	3
Physical Education	1	Physical Education	1
•	16-18		18

#### SECOND YEAR

First Semester		Second Semester	
NR 223 Forest Management I**	3	NR 224 Forest Management II**	3
SC 143 Earth Systems	3	NR 231 Conservation and Outdoor	
SU 101 Surveying	3	Recreation Skills	4
SC 170 Intro. Chemistry	3	BI 172 Plant Biology	4
Mathematics	3	NR 126 Principles of Soil and Water**	3
	15	Social Science Elective	3
		*	16

Suggested electives: PE 231, HE 136, CS 110, CS 123, CJ 103, CJ 104, CJ 105, CJ 106. Minimum of 64 semester hours are required for graduation, including two hours of physical education.

\*Math placement depending upon preparation, must include MA 142 or higher (statistics recommended).

\*\*Course meets at sites other than main campus. Students make own transportation arrangements. Overnight and weekend trips may be required in NR courses.

### Nursing [A.A.S.] APC-622

The Nursing Science Program offers a four-semester curriculum which provides a balance of Liberal Arts and nursing as illustrated below. The nursing courses provide theoretical knowledge combined with clinical experience in a variety of hospital settings and community agencies. Graduates of this program are prepared to take the New York State licensing examinations to become Registered Nurses (R.N.) and are qualified to assume beginning staff nurse positions in five major clinical areas: Medical, Surgical, Maternity, Pediatric, and Psychiatric Nursing.

Prerequisites: High School Biology or equivalent, medical examination. Algebra and chemistry are recommended. Students are required to carry their own liability insurance.

Because of the large number of applications to the Nursing Program, it is recommended that applications for admission be on file by December 1. The final date for receipt of applications is listed in the College calendar.

#### **FIRST YEAR**

First Semester		Second Semester
BI 181 Anatomy & Physiology I	4	EN 125 Freshman English I 3
SS 291 General Psychology	3	BI 182 Anatomy & Physiology II 4
NU 105 Nursing Science I**	7	SS 297 Developmental Psychology 3
Physical Education	_1	NU 106 Nursing Science II**
	15	18

#### SECOND YEAR

First Semester		Second Semester	
BI 282 Microbiology	4	NU 206 Nursing Science IV**	9
NU 205 Nursing Science III**	9	SS 281 Sociology	3
EN 126 Freshman English II	3	Elective	3-4
	16		15-16

Minimum of 64 semester hours required for graduation, including two hours of physical education.

\*\*To qualify for the next sequential nursing course, the student must earn a grade of C or higher in nursing and pass the clinical laboratory. Students are expected to provide uniforms to wear in laboratory periods. Some courses meet at sites other than main campus. Students make their own transportation arrangements. Students will be responsible for all fees for nursing tests taken in their second year.

## Textile Technology [A.A.S.] APC-663

This program is designed to prepare students for careers in the Textile industry. The courses are concerned with fulfilling the educational needs of students, aiding them in becoming efficient, knowledgeable, and skilled textile personnel.

The program is offered evenings to serve those who are currently employed in the local textile industry.

#### **FIRST YEAR**

First Semester		Second Semester	
EN 125 Freshman English I	3	English Elective	
Math Elective	3-4	(EN 126, 127, or 132)	3
Chemistry Elective	3-4	Math/Science Elective	3-4
EC 180 Intro to Economics	3	Social Science Elective	3
TT 101 Intro to Textile		Business Elective	3
Technology I	3	TT 102 Intro to Textile	. •
Physical Education	1	Technology II	3
	16-18	Physical Education	1
			16-17

#### SECOND YEAR

First Semester		Second Semester	
TT 201 Textile Technology	3	Liberal Arts Elective	3
TT 202 Textile Dyeing	3	TT 203 Advanced Textile Dyeing	3
TT 204 Textile Finishing	3	TT 205 Advanced Textile Finishing	3
Business Elective	3	Business Elective	3
Elective	3	Elective	3
	15		15

Minimum of 62 semester hours required for graduation, including two hours of Physical Education and a minimum of twenty semester hours in Liberal Arts and Science.

### Visual Communications Technology [A.A.S.] Graphic Arts APC-677

The Visual Communications Technology curriculum is designed to prepare technicians to seek employment in the graphic areas of the visual communications industry. Emphasis will be directed in the areas of layout and design, photo composition, paste-up and copy preparation, reproduction camera work, stripping, offset platemaking, press work, finishing and related areas. Special emphasis is on the development of contemporary job skills in areas such as offset lithography and photography. Technical knowledge of science oriented areas, such as chemistry, physics and mathematics are developed. A balance of practical application and theory will enable the individual to seek supervisory and technician positions in printing and publishing of newspapers, magazines, books and the advertising field; including specialty and general printing for commercial, job shop and in-plant printing units. The program is also designed to provide some flexibility for transfer to schools offering baccalaureate degrees in graphic communications.

#### FIRST YEAR

First Semester GA 101 Graphics Arts I** ER 101 Principles of Photography EN 125 Freshman English I BU 133 Beginning Keyboarding or BU 123 Personal Keyboarding** AR 150 Basic Design Physical Education	3 3 3 2-3 3	Second Semester GA 103 Graphic Arts II** GA 104 Typography EN 126 Freshman English II or EN 127 Technical English Mathematics* Elective Physical Education	3 3 3-4 3
Physical Education	1	Physical Education	_1
	15-16		16-17

#### SECOND YEAR

First Semester		Second Semester	
GA 105 Layout & Printing Design	3	GA 107 Production Management**	3
GA 106 Graphics Arts Production**	3	ER 102 Advanced Photography	3
SC 170 Intro. Chemistry	3	Elective	3
Elective	3-4	SC 162 Physics	3
Social Science Elective	3	Social Science Elective	3
1.	5-16		15

Suggested electives: BU 170, CS 110, CS 100-101, CS 121, GA 108, ER 150, ER 151, AR 200.

Minimum of 62 semester hours required for graduation, including 2 hours of physical education.

\*Mathematics placement dependent upon preparation, competence at level of MA 142 or higher required.

\*\*Laboratories meet at Voc-Tech Center. Students make own transportation arrangements.

\*\*\*AVT Lessons for V.C. majors included.

# INDIVIDUAL STUDIES PROGRAMS [A.O.S.] Associate in Occupational Studies

The Individual Studies Programs can be of three types:

one-semester program (12 - 18 credits)

one-year certificate program (24 - 36 credits) APC-987

Two-year degree (A.O.S.) program (60 - 62 credits) APC-688

These programs will be designed to provide specialized study for students with clearly identified career goals or special educational needs which cannot be met by existing programs. Specific programs will be developed individually by the student and three faculty members.

Programs of study will include regular courses, independent and directed study, field work, prior educational experience, and prior work experience. Distribution of credits in these areas will follow existing college policy. In addition, at least half of the credits must be directly related to the students *career* goal or special educational needs.

Procedures to be followed in the development of these programs are as follows: consultation with three faculty mentors to review the student's academic background and career and educational goals, development of a detailed proposal in which the program of study and its relationship to the student's career goals or special educational needs are described, approval by mentors, and approval by the Associate Dean for Career Education or Associate Dean for Liberal Arts and Sciences.

The purpose of these programs is to provide greater curriculum flexibility, breadth, and depth in response to individual student career objectives or special educational needs which cannot be met by existing programs, to provide opportunity for students to explore fields at the College before making a more definite educational choice, to provide greater advanced placement opportunity, and to provide for an articulated series of programs which encourage individuals to return to college for updating or retraining (one-semester programs) as well as for additional specialization provided by the one-year certificate and two-year degree programs.

For further information contact the Admissions Office.

# Individual Studies Certificate Collaborative Career Learning Program APC-987

In this innovative program, students learn career skills in fields in which jobs are available locally. Although similar to cooperative education and internship programs, the COCAL program requires that students learn basic career skills at job sites without pay. Students learn from practicing professionals who follow competency guidelines prescribed by the College and based on Dictionary of Occupational Titles specifications, National competency catalogs, and employer input. Students combine collaborative career learning with 12-18 credits of related college coursework to earn a one-year certificate in Individual Studies.

Students include displaced homemakers, young high school graduates interested in "hands-on" learning and immediate employment, as well as students interested in career exploration prior to committing themselves to four years of college. The primary goal of the program is employment upon graduation. Enrollment is competitive.

First Semester CL 191 Collaborative Career		Second Semester CL 199 Professional Career Prep.	1
Learning	8	CL 192 Collaborative Career	
Related Electives*	6-9	Learning	8
	14-17	Related Electives*	6-9
			15-18

Career fields available each year based on local employment opportunities. Examples of these are:

Automotive Marketing Assistant Attorney's Assitant (Specialized) Bank Teller/Supervisor Business Machine Repairer Color Photography Technician Dental Assitant Electronic Graphic Artist Hotel/Motel Management Assistant Industrial Maintenance Mechanic Insurance Office Assistant Intake/Mediation Coordinator Newswriting/Editing Optometric Office Assistant Quality Control Specialist Radio Announcing/Reporting Retail Merchandising Assistant Travel Agent Assistant

Water/Wastewater Treatment Plant Assistant

Specific career study programs change from semester to semester. Check with the Office of the Associate Dean/COCAL for current listings.

\*Courses to be selected from college course offerings with the approval of COCAL program supervisor.

# Individual Studies [A.O.S.] Professional Pilot Concentration APC-688

The two-year program in Air Science is a special individualized program leading to an Associate in Occupational Studies Degree. It is designed to combine general education, air science ground school, elective, and off-campus flight experience at FAA 141 approved schools and building a unique degree to meet individual needs and goals.

Four levels of training are included: Private Pilot, Instrument Rating, Commercial, and Flight Instructor.

Graduates may be employed as pilots or instructors. Industry, the military, private corporations, airlines, and government agencies have a need for highly skilled college trained pilots.

#### **FIRST YEAR**

First Semester		Second Semester	
AV 101 Air Science I	3	AV 102 Air Science II	3
Mathematics	3-4	EN 126 Freshman English II or	Ū
SC 161 Intro. to Physics or		EN 127 Technical English	ঽ
PH 171 General Physics	3-4	Social Science Elective	3
EN 125 Freshman English I	3	Elective	3
Physical Education	1	Physical Education	1
* * * *	10.15		
•	13-15		13

#### (SUMMER FLYING EXPERIENCE WILL BE REQUIRED)

#### SECOND YEAR

First Semester AV 201 Air Science III Social Science Elective Electives	3 3 _11	Second Semester AV 202 Air Science IV Humanities Elective Electives	3 3 11
	17		17

Minimum of 60 semester hours required for graduation, including two hours of Physical Education (30 Semester hours must be earned at FMCC) AND successful flight experience (FAA certification through flight instructor rating). FAA required written examinations are available through the college.

NOTE: The cost of flight experience (off campus) is not included in the estimated costs listed in this catalog. Flight costs are established by the flight school involved and are paid directly to the flight school. The College does not provide flight experience. A list of FAA 141 approved flight schools is available upon request.

## **ONE-PLUS-ONE DEGREE PROGRAMS**

In cooperation with the State University Agricultural and Technical Colleges at Canton and at Cobleskill, and with the College of Environmental Science and Forestry, Fulton-Montgomery Community College offers "one-plus-one" programs in the following areas:

with Canton:
Indsutrial Technology
Mortuary Science
Science Laboratory Technology
(Biology Concentration)
(Chemistry Concentration)
(Milk & Food Quality Control)

with Cobleskill:
Biological Technology
Chemical Technology
Floriculture
Public Health Technology
(Environmental Health)
Medical Laboratory Technology
Histotechnology

with College of Environmental Science & Forestry: Forest Technology

A student in a one-plus-one program spends the first year at Fulton-Montgomery taking courses prescribed for the program. Upon successful completion of this first year (minimum of 1.75 average), the student is guaranteed transfer into the program at Canton, Cobleskill or Forestry for the final year of the program and the award of the Associate degree. A second application is necessary during the first year (except Forestry Technology which requires admission by ES & F before starting at FMCC). The office of career planning assists students with the transfer process.

## Science Laboratory Technology [A.A.S.] Milk & Food Quality Control Concentration APC-584

#### FIRST YEAR—FULTON-MONTGOMERY COMMUNITY COLLEGE

First Semester		Second Semester	
EN 125 Freshman English I	3	EN 126 Freshman English II or	
BI 171 Modern Biology or		EN 127 Technical English	3
SC 141 Introduction to Bio. I	3-4	BI 282 Microbiology	4
CH 173 Fundamentals of Chem. I	4	CH 174 Fundamentals of Chem II	3
Social Science Elective	3	Social Science Elective	3
Mathematics	3-4	Physical Education	_1
	16-18		15

#### SECOND YEAR-CANTON AGRICULTURAL AND TECHNICAL COLLEGE

First Semester		Second Semester	
10301 Dairy & Food Sci. I	3	10302 Dairy & Food Sci, II	3
10220 Careers	1	10303 Food Prod. Eval.	2
10201 Prin. of Env. Health	3	10306 Elem. of Food Sanitation	4
10210 Dairy & Food Micro.	4	10305 Water Supplies &	
10304 State Lic. for Milk	3	Sewage Treatment	3
10212 Field Bio. & Ecol. or		10211 Envir. Microbiology	3
10109 An. Science or		10307 Dairy Lab Instrumentation	2
10213 Freshwater Bio.	3-4		17
	17-18		Τ,

GRADUATION REQUIREMENTS: Total Semester Credit Hours: 64.

## Industrial Technology [A.A.S.] APC-583

#### FIRST YEAR—FULTON-MONTGOMERY COMMUNITY COLLEGE

First Semester		Second Semester	
EN 125 Freshman English I	3	EN 126 Freshman English II, or	
PH 171 Physics I	4	EN 127 Technical English	3
EL 125 Electricity	4	PH 172 Physics II	4
MA 151 Inter. Algebra or MA 142	4	EL 126 Electricity	4
MD 171 Engineering Graphics	3	MA 154 Mathematics or MA 151	4
Physical Education	1	Physical Education	_1
-	19		16

### SECOND YEAR—CANTON AGRICULTURAL AND TECHNICAL COLLEGE

First Semester		Second Semester	
30310 Strength of Materials	4	30421 Electronics	4
40614 Basic Calculus	4	30621 Fluid Power Systems	.4
Technical Electives*	8	Social Science	3
	<u></u>	Technical Electives*	<u>5-6</u>
	10	•	16-17

#### \*Technical Electives

30604 Manufacturing Processes I 30202 Automotive Welding 30303 Elementary Surveying ... 30304 Construction I 30624 Shop Practice 30605 Engineering Drawing II 30607 Manufacturing Processes II 30307 Construction Drafting 30306 Hydraulics 30117 Introduction to Alternate Energy 30108 Plumbing Design 30314 Project Management 30614 Work Simplification & Measurement 30118 Active & Passive Energy Systems I 30619 Quality Control 30620 Production Planning 30119 Active & Passive Energy Systems II 30002 Computer Applications

GRADUATION REQUIREMENTS: Total semester hours — 64.

## Mortuary Science [A.A.S.] APC-599

## FIRST YEAR—FULTON-MONTGOMERY COMMUNITY COLLEGE

First Semester		Second Semester	
EN 125 Freshman English I	3	EN 132 Speech	3
BU 101 Prin. of Business	3	BI 182 Anat. & Phys.	4
BU 171 Business Law	3	BU 121 Accounting I	3
Social Science Elective	3	BU 165 Small Bus. Mgt.	3
BI 181 Anat. & Phys.	4	Social Science Elective	3
	16	Physical Education	_1
	•		17

## SECOND YEAR—CANTON AGRICULTURAL AND TECHNICAL COLLEGE

First Semester		Second Semester	
10501 Intro. to Fun. Service	3	10504 Clin. Theory, Pract. & San. II	4
10502 Funeral Service	3	10506 Senior Seminar	3
10503 Clin, Theory, Pract. & San. I	4	10508 Restorative Art	4
10219 Pathology	3	10509 Mort. Hyg. & San. Sci.	3
41001 Sociology	_3	Social Science Elective	3
	16	•	17

Summer 10507 Clinical Practicum

GRADUATION REQUIREMENTS: Total Semester Credit Hours — 65.

# Science Laboratory Technology [A.A.S.] Biology Concentration APC-584

## FIRST YEAR—FULTON-MONTGOMERY COMMUNITY COLLEGE

First Semester EN 125 Freshman English I BI 171 Modern Biology CH 173 Fund. Chemistry I Mathematics Elective Physical Education	3 4 4 4 — 1 — 16	Second Semester EN 126 Freshman English II BI 172 Plant Biology CH 174 Fund. Chemistry II BI 282 Microbiology Social Science Elective	3 4 4 4 3 18
---	---------------------------------	---	-----------------------------

## SECOND YEAR—CANTON AGRICULTURAL AND TECHNICAL COLLEGE

First Semester         Second Semester           10220 Careers         1         Electives (4-5)           Social Science         3         40111 Biochemistry         3           Electives (4)         10223 Microtechniques         3           40109 Quantitative Analysis         40110 Instru. Analysis         3           (Strongly rec.)         4         10107 Land Mngt. & Conservation         3           10212 Field Bio. & Ecol.         3         10211 Env. Microbiology         3           10201 Princ. of Env. Health         3         10711 Research An. Handling Skills         1           10210 Dairy & Food Micro.         4         10305 Water Supplies &           10101 Soil Science         3         Sewage Treatment         3           10301 Dairy & Food Sci. I         3         10207 Human Anat. & Phys.         4           10213 Freshwater Biology         4         40615 Statistics         3           10402 Hematology         2
---

GRADUATION REQUIREMENTS: Total Semester Credit Hours — 64.

## Biological Technology [A.A.S] APC-614

#### FIRST YEAR--FULTON-MONTGOMERY COMMUNITY COLLEGE

First Semester		Second Semester	
EN 125 Freshman English I	3	EN 127 Technical English or	
CH 173 Fund. Chemistry I	4	EN 126 Freshman English II	3
BI 171 Modern Biology	4	CH 174 Fund. Chemistry II	4
Mathematics (MA 154 suggested)	3-4	BI 173 Animal Biology	4
Physical Education	1	Mathematics (MA 160 suggested)	3-4
,	15-16	SS Elective	3
	-		17-18

## SECOND YEAR—COBLESKILL AGRICULTURAL AND TECHNICAL COLLEGE

First Semester		Second Semester	
BI 119 Microbiology	4	BI 260 (3) or CH 224 (4)	3-4
MA 105 Comp. & Graph.	2	SS Elective	3
Specialization Elec.	6	Physical Education	1
Electives	5	BI 118 Human Physiology	3
		Specialization Elective	3
	17	Elective	_4
			17-18

GRADUATION REQUIREMENTS: a minimum of 66 semester hours with 33 semester hours to have been completed on the Cobleskill campus.

SPECIALIZATION ELECTIVES: courses with BI, CH, EH, MA, or PH numbers offered on the Cobleskill campus other than BI 111-112, CH 111-112 or CH 121-122, BI 118, BI 119, BI 260, CH 224, or MA 105 or their equivalents at FMCC. Students must take a minimum of 8 semester hours of specialization electives (9 s.h. will be required of students who take BI 260).

# Chemical Technology [A.A.S.] APC-535

## FIRST YEAR—FULTON-MONTGOMERY COMMUNITY COLLEGE

First Semester EN 125 Freshman English I CH 173 Fund. Chemistry I Mathematics* Social Science Elective Elective Physical Education	$ \begin{array}{r} 3 \\ 4 \\ 3-4 \\ 3 \\ 2-3 \\ \underline{1} \\ 16-18 \end{array} $	Second Semester EN 127 Technical English or EN 126 Freshman English II CH 174 Fund. Chemistry II Mathematics* Social Science Elective Elective Physical Education	3 4 3-4 3 3 1 17-18
--	--	---	---------------------------------------

# SECOND YEAR—COBLESKILL AGRICULTURAL AND TECHNICAL COLLEGE

First Semester	4	Second Semester	4
CH 231 Organic Chemistry I	3	CH 232 Organic Chemistry	3
CH 221 Quantitative Analysis	2	CH 224 Instr. Analysis	5-6
MA 105 Comp. and Graph. Tech.	<u>6-7</u>	Specialized Science Electives**	<u>5</u>
Specialized Science Electives**	15-16	Electives	17-18

GRADUATION REQUIREMENTS: Total semester hours—66, with 33 hours completed at Cobleskill.

\*Mathematics placement dependent upon preparation, competence in intermediate algebra required.

\*\*Courses chosen from biology, chemistry, physics, math, data processing, or physical science.

## Floriculture [A.A.S] APC-643

#### FIRST YEAR—FULTON-MONTGOMERY COMMUNITY COLLEGE

First Semester		Second Semester	
EN 125 Freshman English I	3	EN 127 Technical English or	
Social Science Elective	3	EN 126 Freshman English II	. 3
BI 171 Modern Biology	4	Social Science Elective	3
Electives	6	BI 172 Plant Biology	4
Physical Education	' 1	Electives	6
	17	Physical Education	1
	_,		17

# SECOND YEAR—COBLESKILL AGRICULTURAL AND TECHNICAL COLLEGE

First Semester	;	Second Semester	
OH 111 Floral Design I	. 3	OH 172 Flower Shop Management	3
OH 131 Floriculture	3	OH 186 Entomology	3
OH 113 Plant Science Laboratory		OH 114 Plant Science Laboratory	
Techniques	1	Techniques	1
OH 141 Nursery Management I	3	OH 212 Floral Design II	3
OH 181 Plant Pathology	. 3	OH 200-210 Plant Science	
OH 200-210 Plant Science		Occupational Experienc	es 1
Occupational Experier	nces 1	OH 232 Floriculture II	· 3
OH 251 Greenhouse Management	_3	AG 111 Introduction to Soil Science	3
	17		17

GRADUATION REQUIREMENTS: Total Semester hours—68.

## Public Health Technology [A.A.S.] Environmental Health Concentration APC-624

## FIRST YEAR—FULTON-MONTGOMERY COMMUNITY COLLEGE

First Semester EN 125 Freshman English I	3	Second Semester EN 127 Technical English or	
CH 173 Fund, Chemistry I	4	EN 126 Freshman English II	3
BI 171 Modern Biology	4	CH 174 Fund. Chemistry II	4
Mathematics*	3-4	BI 173 Animal Biology	4
Physical Education	1	BI 282 Microbiology	4
3	<u></u> 15-16	Mathematics*	3-4
	10 10		18-19

# SECOND YEAR—COBLESKILL AGRICULTURAL AND TECHNICAL COLLEGE

First Semester EH 102 Environmental Health II EH 207 Milk and Food Sanitation PH 111 Physics I Specialization Elective	2 3 4 3	Second Semester EH 101 Environmental Health I Social Science Elective Specialization Elective Electives	2 3 5 5-7
MA 105 Fund. and Graph. Social Science Elective	2 3	Physical Education	<u>1</u> 16-18
	17		

GRADUATION REQUIREMENTS: Total semester hours—66, with 33 hours completed at Cobleskill.

<sup>\*</sup>Mathematics placement dependent upon preparation, competence at level of MA 154 or higher required.

## Medical Laboratory Technology [A.A.S.] Histotechnology Concentration APC-600

#### FIRST YEAR—FULTON-MONTGOMERY COMMUNITY COLLEGE

First Semester		Second Semester	
EN 125 Freshman English I	3	EN 127 Technical English or	
CH 173 Fund. Chemistry I	4	EN 126 Freshman English II	3
BI 171 Modern Biology	. 4	CH 174 Fund, Chemistry II	4
Mathematics Elective*	3-4	BI 173 Animal Biology	4
Physical Education	1	Mathematics Elective	3-4
·	15-16	Electives**	3
	10 10	Physical Education	1
			18-19

#### SECOND YEAR—S.U.N.Y. COBLESKILL

First Semester		Second Semester	
BI 251 Histology	3	BY 118 Human Physiology	3
BY 291 Anatomy	3	BY 258 Microtechniques	3
MA 105 Comp. & Graph.	2	BY 255 Animal Pathology	2
Social Science Elective	3	Social Science Elective	3
BI 113 Med. Orient.	1	Electives	5
Electives	5		16
	17		

SUMMER: BI 275 Clinical Experience in Histology (4) required for certification by American Society of Clinical Pathology.

GRADUATION REQUIREMENTS: Total semester hours—66, with 33 completed at Cobleskill.

<sup>\*</sup>Mathematics placement dependent upon preparation, competence at level of MA 154 or higher required.

<sup>\*\*</sup>May be Microbiology.

## Forest Technology [A.A.S.] APC-620

#### FIRST YEAR—FULTON-MONTGOMERY COMMUNITY COLLEGE

First Semester		Second Semester	
EN 125 Freshman English I	3	EN 126 Freshman English II	3
BI 171 Modern Biology or	•	BI 172 Plant Biology or	
SC 141 Intro. Biology I	3-4	BI 173 Animal Biology or	
Mathematics*	3-4	SC 142 Intro. Biology II	3-4
EC 180 Intro. to Economics	3	Mathematics*	3-4
Elective	3	Electives	6
	15-17		15-17

#### SECOND YEAR-RANGER SCHOOL, WANAKENA CAMPUS

Courses in area of specialization.

NOTE: Concurrent application to Fulton-Montgomery and to the College of Environmental Science and Forestry is required. Decisions on admission to the Forest Technology program are rendered by the College of Environemntal Science and Forestry.

<sup>\*</sup>Mathematics placement dependent upon preparation; competence in algebra and trigonometry, or higher mathematics required.

## CERTIFICATE PROGRAMS General Education APC-985

The General Education curriculum is a one-year program leading to a certificate of completion. This program may be useful to the student who wishes to strengthen an academic background before embarking on a program of study leading to the Associate degree. It also offers the student with limited or unsettled educational goals the opportunity for a year of broadly-based study and exploration. A minimum of 27 hours must be completed for the General Education Certificate.

First Semester		Second Semester	
EN 124 Basic English*	3	English Elective	3
MA 147 Algebra or		Exploratory Electives—Career	_
MA 150 Survey of Mathematics	3-4	Education, Liberal Arts &	
HD 150 Reading and Learning Skills	3	Sciences	9-12
HD 100 Studies of the Person	3		12-15
Physical Education	1		12-13
Exploratory Elective—Technical,			
Vocational, Liberal Arts	2-4		
18	5-18		

NOTE: Some students will remain in this program for only one semester, some will remain a year, and some will continue into other programs at the College.

## **Individual Studies**

See previous description of Individual Studies.

<sup>\*</sup>Students may take more advanced courses with approval.

## Human Services APC-949

The Human Services certificate program is designed for those who want to learn the skills and attitudes that are needed for entry-level positions in Human Service agencies and for in-service personnel who want to upgrade their skills, but who do not want to undertake the supporting academic courses required for the two year Associate in Applied Science degree. The program is flexible so that students may choose the courses and field experiences that are most appropriate to his/her interests and to his/her career goals.

#### **FIRST YEAR**

First Semester		Second Semester	
EN 125 Freshman English I	3	EN 126 Freshman English II or	
SS 291 General Psychology	3	EN 127 Technical English	3
HS 110 Introduciton to		Human Service Elective*	3
Human Services	_ 3	HS 298 Human Services Internship	3
	9	HS 291 Human Service Skills	1
		SS 297 Develop. Psychology	3
			13

#### SECOND YEAR

First Semester	
Human Services Elective*	3
HS 299 Human Services Internship	3
HS Human Service Skills II	1
	7

<sup>\*</sup>Human Service Electives: HS 211, HS 251, SS 299.

# **Automotive Mechanics** APC-926

This one-year Automotive Mechanics Certificate Program is designed to provide students with concentrated skill training for immediate employment. However, all credits can be applied toward an Associates Degree.

Emphasis is on practical hands-on experience in all aspects of automotive mechanics including engines, support systems, electrical systems, chassis, and power train. Customer relations is also stressed. Modern electronic equipment is used in highly individualized laboratory projects. Advanced placement and credit for prior learning in school and on the job are possible. Students in this program are expected to provide their own safety footwear, limited hand tools, and other personal items appropriate for automotive laboratory classes.

Graduates may be employed as mechanics helpers, mechanics, and related careers. Jobs are available in small shops, dealerships, and automotive repair chain stores.

First Semester		Second Semester	
AT 121 Introduction to Automotive		AT 123 Internal Combustion Engine	
Function*	3	Support Systems*	3
AT 122 Theory of Internal		AT 226 Power Trains-Design	
Combustion Engines*	3	Features and Analysis*	3
AT 124 Automotive Electrical		AT 227 Electronic Engine and	
Systems*	3	Chassis Analysis*	3
AT 225 Automotive Chassis Systems*	3	AT 228 Consumer Relations and	
Elective	3	Services	3
_	<u>15</u>	Elective**	3
			15

GRADUATION REQUIREMENTS: Completion of the courses listed. Total semester hours—30.

<sup>\*</sup>Course meets at the Voc-Tech Center. Students make own transportation arrangements.

<sup>\*\*</sup>Business course recommended.

## Clerk Typist APC-935

This program leads to a certificate as a clerk typist after one year of study. It is designed to provide students with concentrated skill training for immediate employment. However, all credits can be applied toward an Associates Degree.

Emphasis is on applying basic clerical skills such as typewriting, administrative support procedures, and business communications. An individualized audio-visual tutorial instructional system is used by the instructor in some courses. Graduates will be prepared for employment as clerk typists, receptionists, and general office workers in business, industry, and government.

First Semester BU 134 Intermediate Keyboarding* BU 235 Administrative Support Procedures I BU 239 Intro to Word Processing Elective	3 3 3 12	Second Semester BU 234 Advanced Keyboarding BU 137 Business Communications BU 236 Administrative Support Procedures II BU 230 Machine Transcription	3 3 3 12
---	-------------------	---	-------------------

GRADUATION REQUIREMENTS: A minimum of 24 hours (27 hours if a student is required to complete BU 133 in preparation for BU 134) is required for the Clerk-Typist Certificate. The courses listed must be passed with satisfactory grades. Typewriting must be passed with a minimum grade of C.

<sup>\*</sup>A student must have completed BU 133 or Equivalent.

# Criminal Justice APC-947

This program leads to a certificate in Criminal Justice and is designed to prepare students to become members of the municipal, county and state police forces, as well as Federal Protection Officer, United States Marshal, campus security guard, correctional officer, institutional guard, youth-aid worker, social worker and other positions in the criminal justice system. The program is open, as well, to those who are currently employed in law enforcement. Below is a suggested sequence of the courses required for this certificate.

First Semester		Second Semester	
EN 125 Freshman English I	3	EN 126 Freshman English II	3
Mathematics (Strongly Suggested		CJ 104 Criminal Law II	3
MA 160 Statistics)	3-4	CJ 105 Principles of Criminal	
CJ 103 Criminal Law I	3	Investigation	3
CJ 106 Introduction to Law		CJ 107 Police-Comm. Relations or	
Enforcement &		CJ 108 Introduction to Juvenile	
Criminal Justice	3	Delinquency	3
CJ 112 Introduction to Police		SS 281 Introduction to Sociology	3
Organization & Managemen	nt 3		15
SS 291 General Psychology	3		
	18-19		

GRADUATION REQUIREMENTS: Completion of the courses listed. Total semester hours—33.

# **Medical Information Processing APC-045**

The one-year Medical Information Processing certificate program is designed to provide students with concentrated skill training for immediate employment. However, all credits can be applied toward an Associates Degree.

Emphasis is on practical hands-on experience in medical terminology, medical transcription, and medical administrative support procedures, as well as basic office skills. An individualized audio-visual instructional program is used by the instructor.

Graduates may be employed as medical records aides, medical transcribers, medical word processing specialists, medical office support personnel, and related careers. Jobs are available in hospitals, medical clinics, physician's offices, government agencies, and other health and related agencies. Evening and Summer registration required.

First Semester BU 134 Intermediate Keyboarding* BU 235 Administrative Support Procedures I BU 283 Medical Terminology Elective	3 3 3 12	Second Semester BU 234 Advanced Keyboarding or Elective* BU 285 Medical Administrative Support Procedures BU 137 Business Communications BU 287 Medical Transcription I Elective	3 3 3 3 -3 15
--	-------------------	--	------------------------------

Summer Term BU 288 Medical Transcription II

Program Prerequisite: BU 133 or equivalent.

Suggested Electives: Computer Info. Systems, Word Processing, Humanities, Health, Social Science, Anatomy & Physiology, Human Development.

GRADUATION REQUIREMENTS: A minimum of 30 hours must be completed for the Medical Information Processing Certificate.

\*A student must be typing at least 35 net words per minute at the end of BU 134.

# **Quantity Food Production APC-044**

This program leads to a certificate in Quantity Food Production at the end of one year. It is designed to provide students with concentrated skill training for immediate employment. However, all credits can be applied toward an Associates Degree.

Emphasis is on practical hands-on experience in food selection and preparation, purchasing, cost control, hospitality management, and nutrition. An internship in the food industry is required.

Students will be prepared for positions in all areas of quantity foods: preparation, receiving, operations, purchasing and service. Graduates may be employed by owner operated restaurants, chain restaurants, contractual food service companies, and other agencies associated with the production of food.

First Semester		Second Semester	
FS 121 Intro, to Food Service		FS 123 Food Purchasing	3
& Sanitation	3	FS 124 Food Preparation II	3
FS 122 Food Preparation I	3	FS 130 Quantity Food Internship*	3-6
FS 224 Hospitality Management	3	Elective (optional)*	3
FS 225 Food and Beverage			15
Cost Control	3		
HE 121 Nutrition	3		
	15		

GRADUATION REQUIREMENTS: A minimum of 27 hours must be completed for the Quantity Food Production Certificate.

\*Suggested Electives (optional) SC 141, EN 125, HE 125, BU 103, HD 150, HD 221, HE 136, Social Sciences. Students taking 3 semester hours of FS 130 must take a 3 semester hour FS elective.

# Culinary Concentration (under development)

# Secretarial Studies APC-927

This program is open to all students who have had 2 years of satisfactory high school training in shorthand, or its equivalent. This program leads to a certificate in secretarial studies at the end of one year. Students completing the program are qualified to accept positions as secretaries, stenographers, and receptionists in business, government and industry. All courses included in this program may be transferred to the Secretarial Science degree program.

BU 134 Intermediate Keyboarding*  BU 137 Business Communications  BU 230 Machine Transcription  BU 234 Advanced Keyboarding  BU 235 Adm. Support Procedures  BU 236 Adm. Support Procedures  BU 239 Intro. to Word Processing  Business Floating	BU 137 Business Communications BU 233 Advanced Shorthand	3 4 _ <u>3</u>	BU 234 Advanced Keyboarding BU 236 Adm. Support Procedures BU 239 Intro. to Word Processing	3 3 3 3
--	---	----------------------	---	------------------

GRADUATION REQUIREMENTS: A minimum of 28 hours must be completed for the Secretarial Studies Certificate.

\*Must have completed BU 133 or equivalent.



# Word Processing Operator APC-996

This program leads to a certificate as a word processing operator at the end of one year. It prepares students for positions as word processing operators in business, industry, and government. Most courses in the program can be used to meet the requirements for an Associate in Applied Science degree. Program Prerequisite: BU 133 Beginning Keyboarding or equivalent.

First Semester		Second Semester	
BU 134 Intermediate Keyboarding*	3	BU 230 Machine Transcription	3
BU 235 Administrative Support		BU 234 Advanced Keyboarding	
Procedures I	3	or elective**	3
BU 239 Intro. to Word Processing	3	BU 236 Administrative Support	
BU 137 Business Communications	3	Procedures II	3
CS 110 Intro. to Computers	3	BU 240 Word Processing	
	15	Applications	3
		GA 104 Typography	_3
			12-15

GRADUATION REQUIREMENTS: A minimum of 30 hours (33 hours if a student is required to complete BU 133 in preparation for BU 134) is required for the Word Processing Operator Certificate. The courses listed must be passed with satisfactory grades. Keyboarding and Word Processing courses must be passed with a minimum grade of C.

<sup>\*</sup>A student must have completed BU 133 or equivalent.

<sup>\*\*</sup>A student must be typing at least 35 net words a minute at the end of BU 134.

## COURSE DESCRIPTIONS

(1918) P.A. Berry, All communication and in Substance will be engaled, inflavor union cover to this entire F. Full announced with 1800 Leaven and Windowski and make the Capting Homester with 1807 Capting and announced the Configure consequent for this force continues and a selection of a continue of the Capting (1809) in a continue of the captor. iis Masyrandraad myttis jalki li Esialii Ermanyens kareman ulkaallistoja Dibergrapia kai Emili Eriksi Pyses Pä 

# Individualized Extended Learning

draffication bedeel executades in explicate behind oil about the skyling by making painted that anistible .......

## Internship

ira 1240 lenemestika

This control (self parce) est is extractions but this becomeling of consist bis presentarisment usindarinisinda appodication morali magantarinina. Skillikulti udatarini matadai taribi raini iskillikult replayers considers many that consider mathematic approvable against a consider a consideration backens Partick of the conspicus that standon all of Cicilia particles or conclude apprecipe where the extraors Decembrication of the conferre purceasure of the tornormal to the comparison to be determined. A manipularity of exist 15) partymeter haven of allered many consended for each extensive consentration

Presidential Control of the Control of the Control of C Principal collections plant and the Recent of Parish

## Independent Study

lts, 299 Trakyanylani Studi

Crarres afficies. Others in the organic purity in a presentation for the personal and a second second and a proexacting courses. Provided they obtain the specimenship of a big objection and the skirttenidert ist flie (Samer, afundands trept Authorit proposeda Contratolling bis utedatrialis (filet) and his freely demikator hereign of the grant with altern in appropriated and the charte has earlied tien danskyparischerat merkilig med i der sin partiest i de nichteber entpullierte. Der i dansk mediciere der d characoustrate escharación accidencias escalas franticadas arcs al elado franciados como color. 

Harry er fu semerend

## Non-Credit Laboratory Courses

The property of these library is no property appropriately appropriately and anti-collection of the property of the collection of the coll

CCICI Compater Later biddy

gryfarretuniskej od skarrositer rosarialism umal Diar til Colyga har farmætaldi.

Place and energias confine to attacked the 5

CCPCE Amelia-Viental Lutorial Lubermateri

Paran-Carabi

Thus concens in changeboot to preportise contracts and party of the free presentatives and contractions gapayarana ke ibina akti wah te baari mali kindikiti.

Paratra stall to the recenting to attacked relation

(COCH Burning Laboratori

The extens by the tests decinated to property specialists appeared to the state of the em rodad in ratrakki comraen mid koprovide alberinte medraatkiral caparikrani tar Hrak arken arkika din lajiran di elah kembulan Mas

Akinesi nakturura gidineshing kelabulkula yangk

C. C. D. C. Martisonomerie (p. 1. a. kerrentsury)

. The crossing how haven exempled to pureasing proposited and havens as multipassing to ecologics of habitations to extract our economics structured to major of the translational insultationals. 

Whates and energy decreases for the options of the production of the section of t

Educida da cencentua ("Absercatury

The cross can be the confidency and an increasing an expectation of the confidency o Makelink, or robbiek in the left berad an everything controls, and to provide extensible skenskillinger har herse skravitelans kerra fraherenskratt. De updeleg flater steradrenal delille in 

A CLUB CONTROL OF THE RESERVE OF THE OFFICE OF THE OFFICE

Pinn-Crecki

Submitted the literature of the property of the property of the property of the construction, below will use and and hard hard terroscuse presument for serious souther measuring thirdy also have been considerable 

A CARLES COMPANY CONTRACTOR OF SECURITY OF

A COUNTY OF THE PARTY OF THE PA

tta i rajirasi kata kaseri (1806) pasal kii pasatsila kanada kui alaetris siirkuidep irapiarksiicki kar i ja kan hala kan kata eskat i innese de sami pangrenna, mbo i paparo mikili kasal werb. In electrical ja Activities propries and the state of the second

## 

PP 144 But Tubbly

Har alleger out therese as a structure for the properties of cruckling pre-arrorsped poss Description of the contraction of the representation of a fact they matrice the secretary for the contraction arnillin arapresential that approprieda deservants: Linara, arrellenta enagrazartzant ba perpejika terrenge his esse die direst bestempter bedank tal especial in sonn verrienden. Elizaberste An extension was reason title on with a representation countries computerly with their members would be arrierful latin by the sea regularly to the citiese to analyzed to those. Linkouteur of the Attriculative a particular control of the transcription of the resource.

Asserther of creekly repurband charges can percenter and the tunned can the reamber of andelikitä luongama tii ilogi kultu, maaribar oli sulfaramit exeatoom bia udiseti dudiseksy ka entresent and the entrol of the following services record to the equipment imagened.

A stacked currency receive cresis business; for business; the sucre computal. Annual language are the desirable become of conditional by a good by a physical an objections

Proceedables Fishers of Course week on electronisms (1) the greenby. Market of collect and contact to be derivinged.

## 

## <u> Kritikuuniing</u>

Ali Illi Acemainy I

Proc. Ball of a gran plane company intercharge accounting theory. Theory of dictal easi teredity has energies soud deposited graviteds; their recovariting system accovariating four content and ural (CA), assertant (Decor, nosarzada), travantación, and plant novels, proportition of financial ntakerrienta. Eregibildik in eiri mela presprintenalisp. Chergolian angkynomerali mill ing unant. Han dalu er est 1

BU 122 Accounting II

A continuation of BU 121. Accounting for partnerships and corporations; control systems for departments; manufacturing; analysis of statements and data. Computer assignments will be used.

Prerequisite: BU 121. Hours of class per week: 3.

BU 221 Intermediate Accounting I

Corporate accounting emphasized. Major classification of items found in financial statements, including cash, investments, receivables, and inventories are analyzed. Computer assignments will be used.

Prerequisite: BU 122, Hours of class per week: 3.

BU 222 Intermediate Accounting II A continuation of the studies in  ${ t B} reve{ t U}$  221, including analysis of liabilities, stockholders equity, land, buildings, and equipment. Computer assignments will be used Prerequisite: BU 221. Hours of class per week: 3.

**BU 224 Cost Accounting** 

Accounting for direct labor, materials, and factory overhead with emphasis on job order costing. Process cost system, standard cost principles and procedures, budgets and direct decision making.

Prerequisite: BU 122. Hours of class per week: 3.

BU 225 Income Tax Accounting

S 3 s.h

Federal and State Income tax laws and regulations are studied. Taxable income, inclusions and exclusions, capital gains and losses, deductions and other topics are covered. Practice is provided in preparation of income tax returns.

Prerequisite: BU 121 or permission of instructor. Hours of class per week: 3.

**BU 229 Seminar in Accounting** 

Reading and research on approved topics of special interest to the student. Written reports and oral presentations required. This course serves as an elective in the Accounting curriculum.

Prerequisite: Nine semester hours in Accounting. Hours of class per week: 3.

BU 261 Managerial Accounting

Course is devoted to the use, rather than the construction, of accounting records and statements. Topics covered are: analysis and interpretation of financial data, flow of funds, cost concepts and applications, budget, and decision making.

Prerequisite: BU 122 or permission of instructor. Hours of class per week: 3.

## Business Administration

**BU 101 Principles of Business** 

An introductory course to the diverse world of business, its structure, its operations and its impact upon each of us as employees, as consumers, as individuals, and as members of society. Course designed to acquaint the student with major disciplines of business such as: management, marketing, finance, human resource management and production management which the student may choose as career core for future study and training. Case studies and computerized and manual business games are used.

Hours of class per week: 3.

**BU 103 Mathematics of Business Finance** 

Review of the basic fundamentals and use of shortcut operations in arithmetic computations. Use of the hand-held calculator is stressed. Instruction in financial topics dealing with bank loans, interest, credit cards, bank reconciliation, property taxes, payroll, inventory, depreciation, trade and cash discounts, partial payments, markup and markdown, and present value. If time permits, an introduction to financial statement analysis.

Hours of class per week: 3.

#### ili ili kilelelelek

Material Color Describing of Excelentational materials by the testing on acquiring of **Extractive translation partitions** that approach and development of sides strategy. MINISTERIA (I Dialitatio estas presentantes es rela placetagarbandera. Espaia errabana. karrika krista kalendaran arada inda sariada pe debuaha. Marine and a service of the service of

#### 

1 . 4

Annine New No. 18 (18 anni 1988), Francisco La Francia and Leichalerran embelogi in maniscetting. A n all fill at 1887 floor and hite of all falls for the state of the constraint of graces and marketing. A All relieve decembers of frequencing remarks by Maranikase ika 1811, Propinci Africiasi manak d

#### all control of the co

3 s.h.

Antici de la comitación de la forma de la comitación de la comitación de la comitación de la comitación de la c Manustritus (karilika erkini dakterka 1.). Editat dahan da plancari dan activaturka arad nabaritana, manga AND SANATA DELEMENTATION (CA). Transferig bred monteligation and clarent community and exell and payon of the AS CONTRACTOR OF STANDARD TO POSITE A MINISTER WITH A STANDARD STANDARD WORK FOR SA Hillia es des paestados s

#### Mil. 1772 Brittist liter Management

I m.b.

. De terment of general reference a broad was expressively expressive a consequence

(p. 11. length i Receptor and in a Considerated production). I ISBN 1888-1888-1887 (receptor Considerated Unit production are a considerated as a consideration with ingellen afgrævisk. Der vingelig III. 1811 blinge af allen pår mank. 2.

#### Milliel Superioles

5 Bah.

Stratification superstator, "but perputa" in a company's chain of command. Supervisory Karalisatan kangelap nagarawa, kalawatan da da peris, Shudy (ditar galla, adiisudan mad ANTERIOR PRESIDENTE PER ENDER DIA ENGINEERA DE L'ANGENERA L'ARGANI LAN GRANTICAL AGRANTATE DE nidavas alambosas problema viidinis aupenvieni is authentiv and responsibility. Les aure, PARTER CONSERVATION OF THE PROPERTY OF THE PRO rreniste Alfilli ferbeutstunger um L

#### lii ii ii lii kaleessussia ka kanase e

dia k

Commentes extremellate abbeillate in the rick of the rick of the rich in readom beautisms, file files because of but birthic decrease and enternal linear field respire manifested branches being EPPER CONTINUES BY THE THERESIS AND PERSONS A

Material and a 1817-22 are regular transfer and the state of the state

#### ille bisk Crester Actrescenterations

Unionic statement has beautiful about in the an provides conserved in courte management, edited by the student so the remainstrations of analysis, credit as been by institutions inelli di laraku, kraracu sastigaraan, arut situgi jurulugi jerulugi jirgi jiraki jirgi. 

1911 1945 Statutt Bereinsen beforengerenerst Continue control of the control of t realised valdadas valda proceedarius in stanting a vivel benevaes, exceed besquing, Milkining believi, tak taka, protatram becintangan, prota pingning/cominionatos, pragrasion THE TELL CHILL CHILL CHILLEN HOLD CHILL CHILL

Processors in the agreement and assert and account with revision of feature for 

#### Mii illi Advantaing

3. a. h.

Survey of the exteribing held, policies, procedures, and procision is planning and THULTHERE THE YEAR HOUR REPORT OF INCOME THE REPORT WATER FOR THE PARTY OF THE PROPERTY.

#### BU 171 Business Law I

3 s.h

Course designed to familiarize the student with the law as it affects business personnel and social activities. A study of basic legal principles and procedures in addition to such topics as the origin and kinds of law, the law of contracts, sales, commercial paper, and of agency and employment should provide the student with an understanding of the rights and duties of individuals and businesses. Approach used includes case and text analyses and discussion.

Hours of class per week: 3.

#### BU 172 Business Law II

2 - 1.

This Business Law course presents an in-depth treatment of areas such as: Agency and Employment, Partnerships, Corporations, Commercial Paper, etc. Career oriented content related to entrepreneurship, civil service, and professional exams will be stressed.

Hours of class per week: 3.

#### **BU 173 Business Statistics**

S 3 s.h.

Course deals with statistical application of practical problems in economics and business. Areas considered are methods of collecting statistical business data, methods of predictions and probability, inventory control, analysis of systems, and application of measures.

Prerequisite: High School algebra or equivalent. Hours of class per week: 3.

#### **BU 179 Business Organizations**

 $3 \, \mathrm{s.h}$ 

Course structured to introduce the student to relationships between management personnel and the organizations for which they work. Emphasis placed on tracing management activities, showing how these become organizational practice and policy, and how practice and policy interface.

Hours of class per week: 3.

#### **BU 199 Career Preparation**

S Tek

Primary objective of the course is to help prepare students for successful entry into work organizations. Included are such topics as resume preparation, interviewing skill development, evaluation of employment opportunities, exploration of personal career objectives and job search methods. This course will be offered pending faculty approval. Hours of class per week: 8 two-hour sessions or 10 one-and-one-half hour sessions.

#### **BU 243 Retail Management**

ร จะเ

Study of the principles and problems in the management of retail operations covering organization, store planning, selecting locations, customer services, merchandising policies, stock levels, and purchasing procedures.

Prerequisite: BU 101. Hours of class per week: 3.

#### **BU 250 Management Decision Making**

S 3 s.h

Course is an in-depth approach to the facets of managerial decision making, emphasizing the role of "Middle Management" in the decision process. Emphasis is placed on the case study approach using the techniques of computer simulation, seminars and role-playing.

Prerequisite: BÚ 101 and other Management Option course. Hours of class per week:

ELL 12545 Minimagement panel the Line.

Pun graditanitanishi beperconch his line ablich ist done, that he, is diada, all the midure, Bermantions, west marchitecture of less his femiliennism pend daudricus (bechnism). This course lichicaen de rements agriculmente rodhare thater than demakhirenal mulchus agenemache us (Certadail subgrigation rubin to break much an evertable, against, whi

The constant buggers will include in the custom of the Civilian Commission Personal Constant this lockered general mater for respublics temperature; that Council Oriental Council bearing the stacks assure and (i) present. the greenth of Adrian introduct Memorian by 13 (000) it the construct descripting an experiment by much especialis d'hecting leminapies in tach arom de décele marabini, princisses, pres elle constantibus) den l'économinate protection à l'embasse par le capacion de la la communité de la communité

Programmatisciss. Microgrammatische Sussification ausgebereich der programmen der Habbitation der Programmen d *iyalen im* intel<sup>a</sup>l

NUL 262 Introduction to Insetments

Crearing pulled of his house the frenches utrikitums, Dropshillers nichaufige ist dies, greekelt. avist irraporra, printfilmin aradyukst. Fisitira said kinifistis uttera irakebat kometairiti, kelistagiikhil vet brog, bergladen, sveretal goden, prot kistoria, dozel lak sveretarjetlovje danjevistoci koji travkorst 

Places of this particles is

## Computer Information Systems

CS 100 Conspictor Contents his Microcompulers

Trais creature considerat estructivit hatte per anticipal clima despectated of reinferialist tot reductives, reside at bred, represente the uppt bearish our are posture or extense to this reduces province continue de la continue de la contraction de la contraction de la contraction de la contraction de la tranca", of the grant terms and handles likely become and realistic transfer and the considered when alungaranga (1) an ceruma seri di penjeri na mengungan kerupanan kebuahan di napandahan di muşyorut, keliş ketachmeni, eli ilkilik ilkilik ilkilik bililik ilkili yadı yazılını. "Aterioda<sup>m</sup> dileresi mikurus gyritelluru aral agyali estiyain asəbbasını ina genli il biri sekrimilek ilkili iriniminde

prejecije inglijenicije. I

CS 101 West Processing Using "Applement lift"

idali karifi dakilika ini ku mba laiki risio di patikirin lai pa ini kun muripha dan fipikishi din melipakinirka legie kijostijske koskson colligerrenis, militos, licinskije, med marikiskijkis karkanis antikai "Angelenakuska" indicematikan (seperantulkas) sela eleka kamata Kenasali, diakatan perdebangan pergepatan kelalukan aral dikentikan selapanan diakatan dalam sengenya "Anjela dengan selapan lder model sentel retractively in the services (section in the conserve Medical Annal Statement And for Annal Const. | Appelent of the sent integral Control of the constitution of the conserve of the sentence of the Brewingtweet weakeningstill dash baan marengeringish) showsbeend by Present Language the Ma Regard Branchick ericht excherescher

Progressistation. Progenicoratest president grad City (1981) are neglectively, are empiredistric in i na polocijoje. Primaje ostiodana grad Gradiki.

C. 102 Edeakerriek Siproskileberet Louisy "Applieusrieka"

Tier granden jahen kortierisen ungeren ist die lette ebane wertherte, die kiere bestelligelt. Afre aggallicationis of the "Policinamoka" association (Sponistinas) program: Spinistelliciats, and aniet (n) dan semperadija), kudsklarije, verst prokumitadkur uit faspretot, ktokadische, verst killen skuld samuel da si tepus dan slaksakur minkling. Sabblardi, sali ba sukspiksij (li minklika) Trainmeentpulkerkin lin itumpluju verkun jukuntii ulkalinsit.

Dennes graden (CS (TD) der den en der det generalische der bestehender. Eksten der alle eine Limini i

ers (III Taitie Busic Managartie iii Uster) "Argebrwerks"

Interestation and precious affectors, with temperatural word handle on an perfector in the endered to the figure remainsperse or sectorious. The hopest can be expedical in arry and the content of the content of the telephone theory is a property and for explosing interpresent on her the The content of the content of the property of the content of the content of the pass to be a content of the content of t Han 1996 to state on 1884. Such sthehed whe had blue rear programmen to make be one 

Francische for: (CS 1111 alf experimentant en paraniquiere of bendeunder. Férens of objest par

### BB BOO bisansiska flicki filik inergewoork

Private and the state of the separate of the second state of the second antifikti presionalnio i Creiki kirkiikki sarepolier o origicratiita, paarpluvid skevisiin, murikar ANA MATAKA MEMBANA DENGAN KANAKA KANAHASI KANAMANTAN KANAKA PARKAMAN KANAKAN KANAKAN DENGANAKAN MATAKAN MENAMB After After the controller programming united the 1055FC baryonign. Studients will be territori la matricia di comunite de illima de canglete perspetimo perspecia. Presentation i

Markatus periorpidi in Archerchen Lucquing birlinding burshous, pottance MING Matterioreacher and recommunity. Through teel sweeths and business the distributed by describents, the following openwhere or techniques wellow covered: Anna Lang Charge Chercaticus, Correparing, Petithren, Matro Scatter, Dismisso, Line Mildle Contact Contact Mercury, Manchen until Point Charling. This break desiredation utulija i i premak i dine naturnim polidi. Ing. ndaliho ka rasum milinadopen, mpa dasuratidi, kariguanyo ira ter termina in the contract of Der de l'estre messe l'estructur. L'important de la completa de l'estre de l'estre de l'estre de l'estre per llegée de l'estre per llegée de l'

### S 196 Computer Programming (FORTRAN)

. The state of the er Brack and Bennman and and of least FCSCTRAIN programming language. Laboratory AKAKAMA INI DIA KIRBUTU SERYALINYA

The Court of the CS 1100 me partitions of the contraction of the court of the court

#### CS (2) Computer Programming CCBCC)

# m.h.

areaster COPCL are errephalicied. Labricality reservings on the College corresponder. Market and the Cart III Compared which are department on the Education of these pair seconds A.

### CS 122 Crimputor Prompaning [RPC.]

Jah.

Lie of the exemplifier to produce absorberd howevers reposits. Createst in problem andred and colleges Depend Program Constraint on its programming but greaters Lateretters meericanes on the College corrupcion. Emphysics on respect spinorables und 14 i gradija en programa de percenta d

Markijaanda: Cerepaktikot (V. de etdekurearet jugantietikot (j. C.5 110), er parjedinder eg ini kii) Here il ilike er hag 3

### CA 122 Computer Programming [EASIC]

The of the exponentias to properly problems making engestillities utilizing BASAC (BB-1811) In Property Sporterly bouterstoom Carlie, Topics to be efficiational arm essektranist transitoria, saintkog, principal, lingen, basa arial takskog, burnchista arial maktotallices, considerational geographic log, strengs and chalcing, interactive laboratory Team Com Call Teach Shipman Land Danier Call Department of the particular place of the contract of the contrac

#PARTALISM C. C. T. I. I. I. Passarantaury dust. Physics of Chara gran bands.

CS 124 Computer Programming Pascal

Use of a microcomputer for instructing programming techniques with this high level language. Emphasis will be placed on problem-solving techniques, antibugging, debugging as used in the program development cycle. In general, concepts common to all computer languages will be covered. Interactive programming will also be demonstrated.

Prerequisite: Prior programming course and/or experience in FORTRAN or COBOL

or RPG or BASIC. Hours of class per week: 3.

CS 130 Computer Information Systems

Limited to a restricted number of advanced students majoring in Computer Science and Data processing, involves an arranged schedule of work either in the College's Computer Center or an off-campus operating business data processing installation. Designed to offer the students direct involvement in an on-the-job situation.

Prerequisite: Two programming courses and permission of instructor. Hours of class

per week: 1 hour seminar discussion, 15-20 hours on the job.

CS 133 Advanced Programming Techniques

Advanced programming techniques such as editing, sequential and random file processing, multiple I/O files, external subroutines, sort and on line transaction/screen processing using COBOL language. Total program design, structure, documentation, scheduling and presentations stressed. Laboratory exercises on the College computer.

Prerequisites: CS 121. Hours of class per week: 3.

CS 135 Systems Analysis and Design Present methods and techniques which a systems analyst uses to analyze and design computerized business data processing systems. Emphasis is on the organization, personnel, procedures, files, documents, and equipment that make up a business system. Theory is reinforced through case studies which illustrate common applications. Written and oral project presentations provide hands-on systems analyst experience.

Prerequisites: CS 110, 113, and CS 133 or equivalent work experience, CS 120

recommended. Hours of class per week: 3.

Note: Several secretarial science courses utilize the Audio-Visual-Tutorial (AVT) system of instruction. AVT combines audio-visual and printed materials with instructional staff assistance tailored to meet each student's individual learning needs. This structured, yet flexible system permits the student to begin a course of study at a level based on previous knowledge, training and experience.

## Secretarial Science

BU 113 The Typewriter Keyboard

This course is taught by the AVT (Audio-Visual Tutorial) system which is a self-paced, individualized method of instruction. The keyboard is introduced requiring the touch method of operation. Basic typewriter operation, styles of type; typewriter maintenance and methods of correcting errors are taught. P or U grading used is based on timed

Hours of class per week: 1.

BU-123 Personal Keyboarding

This course is taught by the AVT (Audio-Visual-Tutorial) system which is a self-paced, individualized method of instruction. Offered on a non-vocational basis. In addition to the work required in BU 113, the student will be required to select one of the following course options: Business Exploration; Liberal Arts; or Visual Communications. Option selected will determine the subject matter concentration. All options require the use of the touch system with emphasis on building speed and accuracy. The art of proofreading is also stressed.

Class hours: 2 to 4 per week to be arranged.

BU 131 Beginning Shorthand

Presentation of the basic principles of Gregg shorthand theory. Intensive drill on brief forms. Development of skills in correct reading and writing techniques. Drills for spelling and punctuation in preparation for transcription.

Hours of class per week: 5.

BU 133 Introductory Keyboarding

3 s.h.

This course is taught by the AVT (Audio-Visual-Tutorial) system which is a self-paced, individualized method of instruction. Development of basic skills and techniques of a beginning typist are the goals. Touch system operation is mandatory with an introduction in the use of carbon paper, simple tabulations, business and personal letters, memorandums, envelopes, and preliminary manuscripts with proofreader's marks and footnotes. In addition to production tests, timed writings with the emphasis on proofreading are stressed.

Prerequisite: Pretest Optional. Class hours: 3 to 4 class hours per week to be

arranged.

BU/134 Intermediate Keyboarding

3 s.h.

This course is taught by the AVT (Audio-Visual Tutorial) system which is a self-paced, individualized method of instruction. Keyboarding II emphasizes the further development of speed, accuracy and proofreading. It also includes work in the production of business letters, reports, business forms, special tabulations, manuscripts with footnotes, bibliographies, programs, financial statements, letters of application, and resumes. Production tests and timed writings are used in grading.

Prerequisite: One year high school typing, BU 133, or equivalent: pretest optional.

Class hours: 3 to 4 class hours per week to be arranged.

**BU 137 Business Communications** 

Development of a thorough knowledge of correct spelling, punctuation, capitalization, sentence structure, and word choice. Emphasis on the structure of the business letter and the composition of various types of business communications.

Prerequisite: BU 133 or equivalent recommended. Hours of class per week: 3.

BU 183 Intermediate Shorthand

Review and reinforcement of shorthand principles including brief forms and phrases. Emphasis will be on reading and writing, speed building commensurate with previous background. Development of transcription skills including spelling and punctuation and transcription at the typewriter will be included. Individualized practice in the AVT lab is

Prerequisite: BU 131 or equivalent. Hours of class per week: 4 and additional hours in the AVT lab.

IVI 23th Marchine Transcription

. . . .

This example is templet by the AVI (Ancho Vermi, Teterial) waters which is a mill percent inclinational creation of inclination. A comprehensive example designed to precede the student with the independent mills to prepare typerameter work force a reconsist of section between the transcription of the properties of th

Premissionals: EPI 125, or EE/ 137, (M) 130, or pairremake of instruction. Manage of chine per mark: 3.

ISLI 233 Advanced Shorthand

r ii.

Errophysics on incrementing appears and accuracy in taking elictricity of now restoral and marriculated resoluble crops unlarg a hypescritor. Revises of spekking generation, stal proofessaling a brokucket. Proofestion of marketski creaturish, is streamed.

Prepagation of the 183 or equivalent. Hours of obtain our analy distributed subdivisored hours in the AVT lot.

190-254 Advanced Keybeardins

Their countries is transplating that AVT (Pearlies Visitati Laborata) against restain that well countries, inchain and countries of inchain and countries. Hopercurring III countries, the chromospherical of apparent, according to president and apparent, an apprehensive seems of the inchains an apprehensive seems of the inchains and hopercular according to the countries of the co

Chang berigne I be at chang becare part timos to bu cereculopied.

ELL 1987 Administration Support Processums I

# x. 4,

Wer interpolate of other narrieous and responsibilities of office arrigingle-second his provided.

Contract content includes prescubires for processualing trial, assisting with terminate experts characteristic procedures and telephone techniques, buriefing too king, tentral in a payment in a payment of the procedures of the formal interpolation of the payment of t

Promophishes: Ed./ E39 or equivalent, or consumerd emplement, or Ed./ E37, Physical class per useek: 3.

BLI 236 Administrative Supplied Procedures II

Correspondentariation and job emplication proceedance on presentation. Corresponding transfer and executive actions are continuous and executive actions are continuous and executive actions are continuous and executive actions.

Francipulation: Constituted in DLI LR or expensional. BU 200 is each dipresengentials: 1000 DL 1986

BU 1539 Leutrophocetion de Weerd Processieus

-44

This is an enterprise examine the injected to be introduced for the remain of the perfect in the correspondence production of the part of the collection of the control of the collection of the

Pharmachalaine BU 183 ar dhinn chilint

#### II. 240 Word Francisco Applications

1 . .

Chronicality of applications on an executive community and businessed Studenty and become confidenced and secundary and the engineers of the executive of the secundary of the executive confidence of the executive of the executi

Markaga parti (M. 1914, M. 1924), sa separaken

#### H. 214 Information Word Presenting President

s dah.

The extension of Wileyen the west prescribing attickant is: hand crether-job weark araparemacular action of action of the second of the second

#### Alls Sir Word Processing Museumand

B 3 s.h.

The release ending extriginating the control, that whichert will tracker that the trauci fire to the control of the control of

#### PHI 244 Misslead Tarrenniken.

F anh

Treations is one produced by matched largers. The longic bending the forcessing of the forcessing of the produced of the produ

Burganikan Mare Chen baara 4

#### III. 285 Medical Admirtistratusa Support Peacadures

F Bah.

Production of the second section of the second sections in the second se

#### INI 287 Meekkal Transa rasion i

S Inh.

The Colonia longers with an infradiction to modeled from cription and one of mathial life of the colonial from the colonial formation of the colonial from the colonial formation of the colonial from the colonial formation of t

Propagnacione (BC) 1747, ser proponicione de instruction. Class desarre 3.

#### III 258 Medical Transcription II

B Inda

The column continues to build on the material intermed in Marked Transcription I.

NUMES 20 coming see emphasized. Speciality brown much an continuegy, psychiatry, see the SO, obvigant, sequenting system are included. Terminology, language skillin, and three principals in its will continue to be systematically reindorced. Electronic language as the systematically reindorced. Electronic language as the sequence of the systematically reindorced. Electronic language as the sequence of the systematical system may be used.

Personauter (d. 1871 Pours of chief fer weekt f.

### **Economics**

#### EC 162 Intereduction to Economics

# a. h

Cross-berry creature changes of arcticed logica and problems which interferences the anchine and problems and problems in the according, both in openiores until supplied of problems removed as and the private and public institutions through which accepted and public institutions through which accepted and exceptions is accordingly to acquisite and extension of the problems accordingly to acquisite and activity. Special intention in discussions accepted to topics which as arreptively mentioned and assumption and appropriately and allowable and accepted and against the accepted and according to the problems.

Planes afalten per mest. I.

#### EC 251 Microscoponics

. . .

Their excursion is non-architectal incremental theory exception with periodical agreecations related to the occurrence and their individual form, it considers examinate of a reson tenteral advance relation to price, distribution, prochection, contained incliffs were consequently except the large process tracker wards and tracker conflicted.

Fremugalishe. Sophoreore studies or parricusion of the budicector. Processed their pare

#### EC 242 Materialica

An armitation of aggregate expression belowers with aggleculars to the electronic property day according. A study in clotal of reactions and the blackers of the blackers against the appearant angustal angularian green to the insperse aspectalized theory of a collection and frames, becaused by the blackers and transfer and appearant and trackers the appearant and trackers are according to the property of a collection and reactions.

Procupalishe: Sugaborrant strates or perfectionion of the instructor. Hours of chase perments: 3.

## **Educational Resources**

ER 118 Science of Library & Indomestics Research

In combined services and applied sensions four annual of Berary research and usit will be considered, classification systems, card catalogs, periodicals, and reference materials. All formats of information, print and manprint (librarialge, slicks, etc.) and resting appreciate will be considered. Consciencingly, the student will prepare it without bibliography econording to a standard format.

Hairs of class per inset: 3. for the cores.

# ER 111 Research Practicam (composition).

44 H & M.

The bibliographic work and necessic techniques completed for EF 111 will be expanded by the student and a responded paper will be written. There will be at least one formal class session on the consenigation and format of the bibliographs and form gener.

Preruguasing ER-110. Hours of class per week: 3, for the weeks.

#### ER 112 Leanning Experience in Educational Resources

. ....

Bassell upon competencies already gained from EH-110 the student will investigate during supervised works periods, the various compensation of a compete informatic services, technical processing. There will be a proposentory session on introduction to though services, circulation, reference services, and bedraids processing.

Procequation: ER 110. Planers of about per medic 3, for the constant

## Photography

ER 101 Principles of Photography

F 3 s.h.

The study of the history of photography, Balance of color, lighting and composition in the photography, basics of taking pictures (camera operation, exposure, films, filters, flash, lenses, composition).

Hours of class per week: 2 Hours of lab per week: 3. Students are required to provide their own film and supplies. Student owned cameras are helpful but not required.

ER 102 Advanced Photography

S 3 s.h.

Advanced photo techniques with emphasis on posing, lighting and composition; darkroom techniques, negative retouching, print enhancement and mounting. Studio and field shooting sessions with related darkroom work.

Prerequisite: ER-101. Hours of class per week: 2. Hours of lab per week: 3. Students are required to provide their own film and supplies. Student owned cameras are helpful but not required.

ER 103 Commercial Photography

S 3 s.h.

Course description: Emphasis on techniques and practices of advanced photography of small and large products with the use of large and small format cameras. Laboratory and field visitations with studio and location shooting sessions.

Prerequisite: ER-101. Hours of class per week: 2. Hours of lab per week: 3. Offered evenings only. Students are required to provide their own film and supplies. Student owned cameras are helpful but not required.

ER 150 Darkroom Techniques I

3 s.h.

Black and white film processing, printing, and enlarging. Students who finish this course will be familiar with the functions and purposes of darkroom equipment and darkroom procedures. Student required to submit completed portfolio of no less than ten finished 8" × 10" photographs.

Hours of lab and recitation per week: 3. Offered evenings only. Student required to provide own film and supplies.

ER 151 Darkroom Techniques II

3 s.h.

Color film processing, printing, and enlarging, retouching techniques. Emphasis on laboratory experience. Students completing this course will be familiar with the functions and purposes of color photo equipment and procedures for the darkroom. Student required to submit completed portfolio of no less than ten finished 8" × 10" color photographs.

Hours of lab and recitation per week: 3. Offered evenings only. Student required to provide own film and supplies.

# Health, Physical Education and Recreation

100 Series-Service Program

Compass are designed to records the madeleak with a sariety of lifethme aparts and Strainis natheithen. Forgitands ar sei erasiang Himania Unicough phrenical achiefie ar sairt af manyika barg. pp: 127 Course Country Std Todorup (1\*\* 5

use Deren S

141 Pagising Saireria

143 Ingerractions Sudmirhod S

jet jen & Fruter Dezig

[49 Water Sabity begires: beraff S

PE. The Shorouther and Provided

i waxaa kee

111 Junion

113 Introduction to Archery. Tarvan, Parinettuli

grif Acceptant Skills

jul Careming"

115 Augustanii Carteritei \*\*\*

tik Cajija kacam Walaba "

115 Vellaytedir & Flacketted

iili ideebat Patiniliik

141 Terek & Pandeli İ

121 Indermodiada Kachartsuli (k. Wakidi Truskur\*\*\*

1622 Terener ik Eksentione i

125 Heisbrei

125 Belieg Degreinell<sup>ee</sup> S

Pharma of chass pain areally. A

ildik Samiani Markada Program Thereis is the Water and their their their present for the P. F. R. Trespont, Colora and acceptable to polarisal ere alterleggi garakenmarriest tersi Amachileg terchitik tara.

PE 166 Boron & Weight Training F

pr. 166 Racket Activities & Filters 5

241 Gareerd Penantian for P.C. Marin S

Photos of class pur word: it

III 121 Parrition

a.

A nexady of the hance realistics of considerations from the magnification of action besides. Separata annestratus will ber princert can relative restrictional renada to apportion creatus partitistics. Process of element per livers. Il

PRE 1225 Advanced Matritises

der greinratzreiling til ihn rerfare med redirirengblig konsmire rigtritional setriäpkrenstig much than multilition values frought in breeds. Errailways will be placed in breed identified and unniparaliteli eri f. periaire hi The masiriannari, i id a lager matriare i indiae. Eliperti indi minured shelicking characters will be ethicided.

Promognistry: NE 121, Mours of class par cores: 3.

\*Premius and builties is a

\*\*Creares maneta of sitem extens their room consistent. Sinclemen receipt freelyscistation. arriarakenterin.

\*\*\*Course cruy for reguneted despt for adolesional cristia.

#### HE III Personal Health

# s. h

At the manufacture confirms with the application of anisotics, principles of effective, builties for the five of effective. In 1992, Treatment in last critical areas of head th, the course, and effects of head the principles of the course, and effects of head the principles of the course, and office and the course of the areas course, and the course of the course

#### HE iste Come And Se Saferty Coloradore

# = h

A remains an approximation to trich the excitators consistent and pureention in Industry, execution for the entire term of the

rranga kabangan merebata

#### 

.# m.h.

For extending of the unity displication of himser escaped therefore and inself in the order of t

Presentates per cores 3:

#### Ell. 215 Cresevanii, Faatin

- -

A ibu eki i irvoori gi teji i of extruratiokrabba ilimaanisa irschielling elukristiisis, fracturiisisiori, tal ene eti a rengia, i tre propositiisi rel elimaansi unid propositiisi ral kasidile. Organismoli aleksi tii akii raviosiisis an eritakiirteid ky koral, utuba, mukkoral unid isaaninaliirasii ingereissa.

. Des l'agriculte, fina le me mell malter prédichres coextrol, l'estimbre, adherta arel actificas (é ne l'itain, l'agit l'equi mes memorpest

Theory of editor per week. Y.

#### l'E (til American Luxure Tune Acteure

1 s.h.

Milion of chies per court. 2

#### 

II. maile

Efficients are necessarily apparation and information of the inspective of apparation of the following source of the property 
Eksten af eisten par menk. I

#### Pt. 141 Beginning Swimming

ii e.ih

They continue in alwayment from a technical author and suffect representations for transpired exemptines are transpired exemptines and they continue objections in the technical exemption of the continue objections in the technical exemption and skill to effectively product theorem have and exist principles and continue of the exemption and therefore and exemptions of the exemption of the exempt

Makkeypindre, Bahiski drivy vojekćal organinatica. Moste of chase per week: 2.

#### PE 142 Intermediate Switzering

Si ish.

This course is their and for the stockent who bee completed banks automoting or is capable of congress and to conflike tog. Intermediate water manageall inches the hours ing of the four congress two congressing process. The banks makers at their good will also be taught. Processants of the confirming Physics of class over week. 2. **U**S 143 Literary and Water Safety

A contribut intrinction of his time thickety before restrictions. All relicition to subscripts other method acronoming centuriu 1900) (1660 paus 30 redititiraal republic akill tent to lovalketiki traditiriki traditiri this economy. Businally this included absorbed by this is do will be body with a body with a body. markernering attribute and biorg a composition bound of accompanions and ariely concerns

Operat consecutable dispregnetions of the common matternar, booker our remody accustocic solid. reall that which the address that his area collection of the collection of the control of the collection of the

Proventialistic Surpline (Corphy prime of his regularity, his report hop being, result such about interpretable of arsannungstager. Pikacara cat etapas ester acarasti. I

PE 144 Shier word Senvelied Declera

A gradhriften y lamekisy exception his Seculos. Starborns will laterized that decidentaries of the and book: Consepta assuchted and solf expressived arctereater breaklists assurbances liberdani

Principles of Scalin District metals, crearings on inchrings on highest structures. indices induct with elected pret bearen of this trems, proposed and transford and excellent through ref he benefit. FE 1944 will carry and contillation for.

Historical chies per menk 3

PE 149 Western Sullerty Under 1984 desert

Thin excurse will be a marginal to Seminar Library are Strategics secretary for \$40.500 and adordard instruction can be exting be follows. They will be becaused in an asset ray. Inchaparedere study propost and their profitch were ask reclaim 1/1/8, bull much colors. Chrift councidations; until finden utracheri findaziologi irrepersadoli findi appl aposticistato.

Presumptionalities, Source sampled and explorations of 1991 1683. Presume of coloring poor express, 22.

PE 171 Ke Fishing

Compress talkam astumretasya (al Crallegya karintisari dispat Achiverchicle basasa Coursia terret guaru. ha chiampology checomateg a estelogrammit unal blancey of localishare; and core as supermitted Tallen by keeplevermersation officials. Visit to be at herebery. Most increment keeple per der Sucuridisks and other labors of the respons

Physician and characterist manager (f

PE. 201. Intereduction to Heselik. Physical Education and Recreation. F. J. v.h.

Frenchelant van häuterische kahr kahastanst until trasktrukkruzhig CF Murasia 19 hazil freistraktuikenst al. delikatikan in delimitikan. Inselvirimi sekinselbera arek gendi isalistik din colernisi, milatyelim Other turnibles by the executionsis ().

likuru sel risus sur mude d

PE 251 Camping

trebuchial, gelicket experiences in corresting rechesion contain and highermoles, excess erralt, sustante could, Assistantango, intel constitut colif martisgraphists of consected colificación desiral Part of the part and 1

PA: 234 Challeboort Editorathicer

Titelis essemble hi Chenigrain: (fear da) elbereta dri derreta kan mendegenarana git da brilleg dasar estatur di renourement New York State. Propies to be included any behavior, which is marketically and basel commer. Field trips will be retembered with the New York Street (Linear more) Plan innel Course best that Commercialism Department, Special structures will be a basing wid State centres.

Property and editional grows assessed a 2

PE 241 Commerci Aspentica For Physical Edictication Mathema

The responsed courses is in beauth hibrariactics by decimin, excluding including. Howe atrickens, nämpää tionina sil teiseim, lainikkin manhrandra, mpringtisiksi ilkenig, piriod apolli, rracols-specifical brus, much that Armanicum Phalpenad Bood Circum Beautemary Presymen. Educate of Okasa pair weeks, 2.

"Cracras magain ar mitea cripes than rakkis clampass. Strakarda punka housagairtatus All'allantrumas.

III 211 | Librada Sparena

# 2 s.h.

Throse City and Carolina Street in the Constitution of the Medican appears. Just 1915 on Inc. Ander 

Marie Marie III and Carlo

PL 252 Lifetime Specific

. Deskrive deski station from the rest to extend points by the state of the Mathematic agreement the state where increases 

Maria estruire par capak

1974) is a result of the fixed by the continue of the Weiman appertu. As by basinchines and profession of the

Market i i bren fan i troek f

### Human Development

liffe free sentence de la Parasa

The loss the extrume covered offices the ablighest an equalities to recrease him set. TREECONNIAN, NEED TENNIA TERMINA DES CENTER PROPERTY DE PAR DESCRIPTION DE PARTY DES CONTRACTORS DES attikat ett ett kalikat ett ett ett ett i makare korbi ett ett ja karastenergi hurrien beling. Celimin And the late disclosing the managed accepts the disciplinary and accepts and around because of 

- Treatment described the latter countries with entires generals and the entertainment.
- All Present (Bestmunden) estador de mayor amazig (ha)

Broken Dallacht. Said Asthudiandeserurst this Field, Faire hasting Pareaux, Values and Life. este, Statut ducresse Tractions Like Consumer, Mari di Muliara, Maragamieri di Strom, and 

Harry breter med 1

BUX 130 Sutorkissi Cremenunity Service?

Street on the hold of the second with a light to be because the second of the second o water W. Commentered Bright Original, Yearth Centery). In addition to their client contact. Mark when it resulted), be held their classes as religions for the leading continuous so with the Afterence for the stations of reflecting upon their capacitations and enlagrating the Talkatta (Page Nerge (43) Page In Chada (Astalk Struckman), Alan Connectoria malastard conscioned and Andri enemine projektet hi stan bilantinen menteksi gentambilara.

Marshautha Drawssert of the instructor, Alpura of close per mest: 1.

III). ISB Reasting and Learning Skills

Amb.

Marketenar recikber inchensisch denbyrant to irrarreas comprecieration, uncababary, that the problem and control constitute. Verbeigh have sing ability, quelly yet probe tabling, which Attached a tertury research peopers, Xonos Listering Lab and locations of study for ikkkentrik disentampwali adam kun bagagip

Property Charges the Course

. Produktus miestis ali ielles cities Treat imain canagean. Students make tratistectuelles iirio barbara

**HD 221 Human Relations and Group Dynamics** 

3 s.h.

This course is designed to assist students in acquiring knowledge and skills which will enable them to communicate more effectively with other people, individually and in small groups. Learning activities include group process observation, role playing and human relations skill training as well as film and lecture presentations on theories of interpersonal communication. Topics include: Blocks to Communications, Listening, Confrontation, Male-Female Relationships, Mariage, Family Relationships. Group Dynamics and Leadership. This course also contains a substantial unit of Transactional Analysis.

Hours of class per week: 3.

HD 225 Man's Search for Meaning

3 s.h.

(An Advanced Seminar On Individual Development.)

An in-depth study of selected theories which reflect current thinking in the area of individual development. The course will stress self-understanding through application of the theories under study.

Hours of class per week: 3.

HD 250 Stress and Its Management: A Psychosocial Perspective 3 s.h

The course will focus on theoretical and applied aspects of stress and its management. Included will be physical and psychological ramifications of the stress response, and an examination of the literature regarding personal, cultural, societal, medical, vocational, and environmental implications of stress. The development of the needs/values systems and its relationship to the stress response will be discussed. Selected stress reduction techniques will be introduced.

Hours of class per week: 3.

### **HUMANITIES**

### **English**

EN 124 Basic English

3 s.l

This course teaches the fundamentals of writing and may be a prerequisite for further study of composition for some students. It is aimed at helping students who need special assistance in the improvement of writing and includes a study of grammar and composition with emphasis on the fundamental principles of writing. Not credited toward the Associate Degree English requirements, but may be used for elective credit.

Hours of class per week: 3.

EN 125 Freshman English I

3 s.h.

The first of a two semester sequence in communication skills, this course emphasizes basic techniques for writing and speaking improvement. Students learn to write a short essay which is grammatically and mechanically correct, logical and coherent. They also learn to deliver a clear, concise oral presentation. Research techniques and procedures for documenting sources are also covered.

Hours of class per week: 3.

EN 126 Freshman English II

3 s.h

Students expand on the skills learned and the procedures introduced in EN 125. Some of the oral and written reports will require critical evaluation of imaginative literature and essays.

Prerequisite: EN 125. Hours of class per week: 3,

#### Termetret Herrikh

Arritate (all) en producer a comprender, un trou, and procentics bet briefel an exect realter . I salakuluk madharatikaka an armat pelengan kana beka dikitarih dentuk di beraulu barat l'almanten automanian milia compresi in del recolució polició de la recolució de la recolució de la recolució Makanakan EN 125 (Status and In The recoverable on magazaka EN 122 Tarcheles Emples Tanalah Eta 194 Finaharaga Kabulah sabiar dikabirah pada 1407 km (er 187 merekalah

The contract for each contract the speciment to the scenarios of public, granularly and other to the gere funds no preestore both the bornes and informal debermal debermes of execute trained as Distriction and creatively are easi the major benefic this control. The occurse wints to All Profile Christian (a partie) de experiencia de Cerminale de clares des las escalares expedientes A NA PARE 14 December with attached and must reto presched. Outside receilings and **ANCONE L'ACCEPTANT DE L'ACCEPTANT L'ACCEPTANT L'ACCEPTANT L'ACCEPTANT L'ACCEPTANT L'ACCEPTANT L'ACCEPTANT L'ACC** 

#### 

Marking and the first and the property of the Manual Court Court Assess in particularly the surfactor decodesposarch of the literary source by the tente i produktivansk skossikoseko se or pokše i perbodi se 19th opist 20th sexitory obsert. Produktiva produktivanskog opiska prijeka opistik osbirana. Companija posici osobnika skritik od pogodin. atul (1704), proportuktoru. I Paragonita IIV 168, (IN 186 okonostika). Pikaren id ekima pur usandi: A.

#### EX 211 Mactemater ex of World Librarium 1

il a.in.

ITTELE AND A REPORT CHARGE IN COURT FOR THE CONTROL WAY PROTECT AND A SECOND SECURITY OF THE SECOND Herkensprink, The gradings include detections from Homer, Suprescies, Ptoto, Virge, Der her Challacer, versiceliner representative utilheire. Der veganater 1991 i Wishersteinke, Norma er i bezein jeer wender it.

#### li i di i di i di maran di senso di l'Angres I de marance i l

The tractic entrette until legisters beginning with the Age of Research Beachige fellekke Stateari, Practimit, Madonin, Edick, Maran and othera

Branding to IVIII III III describit. Phore of chief per week ?

#### EN 251 American Librarius I

A survey of American Literature from the Forther period to the metale of the

Burreling and Fig. 121 (124 125 decirated bloom of chiese and masses of

#### IX 231 American Incidention II

g sen.

**Description of American Country and American Country to the People of the People of the Country to the** 

Proposition (1971) 18 N 186 (Asporte), Phononic class per acest: I

#### i i i i i dimente de si i

**The companies of the entraction of the entraction of the second of the entraction and entirely a Tradical Nation Constitution of the Property * Office Mark, Corposision is the control of the case of the case of the consideration and the Zank of Pagel Chinetery, Chaldrey, Privatelia, Loren, Joseph and Albert American Markaritettis (1888). De Cetteral d'Albertarial Wallaria. Errorbande la piènciari cer tim monarderi desci Arten Deller of the alogy the careticinan characterist. Students will see a current character 

Appreximents of the confidence 
**EN 236 Introduction to Theater** 

This course is intended as a survey to introduce the student to theater as a technique apart from, although closely related to, literature. The student will study acting techniques, stage devices, set design, costuming, make up. Significant drama will be read to identify application of theatrical principles. The combination will provide concepts of drama as art, audience reactions and needs, methods of expression, and interpretation. Textbooks will be used and laboratory experience will be provided.

Hours of class per week: 3.

EN 237 Introductory Readings in Modern Literature

This course is an introductory approach to literature. Emphasis is placed on cultural analysis and advanced critical skills.

Hours of class per week: 3.

3 s.h

EN 239 The Modern Novel The study, interpretation, discussion, and analysis of some of the great American and European novels in the period from 1900 to the present day. Major works by leading Twentieth Century novelists will be considered.

Prerequisite: EN 125-126 desirable. Hours of class per week: 3.

EN 241 Great Themes of Literature

A study of the themes of Literature which stimulate and reflect human consciousness. A study of the themes will expose basic truths about man's behavior, his emotions, his inherent weaknesses, his capacity for greatness, and the darker complexities of his mind, ("Man and Woman"—"Power and Corruption"—"Heroes and Cowards"-"Authority and Rebellion"—"Crime and the Criminal"—"Conscience in Conflict.") Hours of class per week: 3.

EN 243 Oral Interpretation of Literature

Study and practice in the performance techniques and literary material appropriate to dramatic oral presentation, either individually or in concert. Particular attention will be paid to vocal expressiveness, in three genres—prose, poetry, and drama. Opportunities to perform, publicly, as a Readers' Theatre group will be provided.

Prerequisite: EN 126. Hours of class per week: 4.

**EN 245 World Drama** An examination of major dramas from the Greeks to the late nineteenth century, with consideration of their literacy, theatrical, and socio-cultural values. Readings will include representative plays from the following periods, epochs, or "movements": Classical Greece and Rome; the Middle Ages; the Renaissance; Neo-Classical; Restoration; Romantic; Realistic. Genres: tragedy, comedy, melodrama, farce, and various hybrids Prerequisite: EN 125 [EN 126 desirable]. Hours of class per week: 3.

**EN 257 Creative Writing** 

Instruction and practice in the various avenues of creative written expression. Poetry, drama, novel, short story, and other literary forms are investigated, but primary emphasis is placed on the student's development of his writing abilities along the lines of his particular interests and needs. Creative work is encouraged through regular individual conferences.

Prerequisite: EN 125 or EN 126 desirable; permission of instructor. Hours of class per week: 3.

### 

#### Tiek i Ciu. Tiekuseas jekanissa.

. Her comparation of conflict I, possible of successful conflictions of income the annalist and Config. the make a success of Westperresin because in and these models of bear for the transform december to be contributed the outland projection. Shocken to will broke the pleasurement of the Market describe control of the Consistent Market arrestions in the two car Edingulary Materials Commissification will be described or by broothy and with an appear, by indicators on Marii Frince er des Lies)

### TH 102 Yayasah

≰ a.h.

Africanic contract contracts the tractions will thousan one procedure of richal stand, which cont MATICALISM NACETA OF THE OUT THE COST STUDY OF SECURITY OF SECURITY OF SECURITY SECU 

### liki ilis ilmekumungik ad Arding

The first the common to each present our inspections of changing the conjugate first constitution and constitutions are for the state of the second state of the state of the second state SMIT for the investment of the column will also ented across producingly application of the and the let within to the Michael exceeding. This wall irrelated acceptanced the accipit her 

### 1915-200 Antecessic Black for Checkings Freedoction

T Til

The communication the triding of directing periodics of design, and Kithilik Miller skink freshikaje ir kojik (a. Massabio sal perio) kastada i

December 100 100 describes completed of correct properties of the later n de la companya de la co

#### 

Principal Carl Rest for exception and francism distinguish of the other process of the continuous c r alternation and the configuration of the configuration of the state of the section of period in the rain player . Die retreibkeelt aret die eitheldig gesteren gestellerite

Managada i Malii waxaanisi wa firmia wa 2 Huung afakisa ji waxaa 2 H

# Modern Foreign Languages

### li ( - 1514 - 162 (Shrenesektury (Greek)) ( - 1

F.S. 3 s.b. confi percesses

Service of the control of the first of the service 
#### FILIST 262 Intermediate Francis I, II

F.S. 3 w.h. earth recensioner

to this interpredicts course the purpositions in each use of the epicken because inc Milder on the law teach content of the configuration, and the scalings appears of the Afficiates Branding bases with cultivary to equable that streeters by consequent in interpretainterior and for any address from enterior to the first of the control of the con

Mataniaksii 181. läkkiitaara opiikuu pee areeki ().

FL 143-144 Elementary Spanish L.II.

F.5 344 each semester

A handreser's contrast, constitut the brokemership of isot constrational for a superchange of the filter of the fi

Hage of close per week. 3.

FL 243-244 Intermediate Systemal I, III

F.5 Ruidi mach semisaster

The correspondences and use of the epotent larguage is further developed in this ascend year larguage starrie. Conserve, corresponding, and the cultural ascends while language are physical. Societies in Specials industries the stacket to Physical like and literature.

Propograma: FL 144. Heavis of closes per somule 3.

FL 345-146 Edementary Defien I. H

F.B. 3 s.h. each sumester

A hoppressure exercise covering the berefarementals of evel compositional transmiss, trial or appreciation, resident transmiss of the limited between the limited and the pressure trial or authorably relevant without or that well being atcoloring become evaporation with the polyments of the limits atcoloring become evaporation and to the polyments.

Places of elaka par bablik: A

FL. 147-146 Elementary German I. II

7,5 Jack each seneraler

A, beginner's course stressing the consecundered approach to the beginning. Courtful operation.

Pleases of edens pay sour K. J. Pleases of Ich pay wolsk. I

FL. 149-150 Elementary Polish L. II

17.55 T. s. b. starib semeserskirit

A backnown's created creating the functionalists of circl, correspondent, real expressions resident, and givernous of the Polish largestim.

Hanne of choose per ceres: 1.

### Music

MU 180 The American Breadway Musical

#: ###

This course transland that be a large translation of modifing master and vessal latest protestation. For this creamed all organizations are a reasonable of English 1990 with a process of a reasonable of English 1990 with a process at the reason of Karrin Shear Reest, Pooling & Plantamarahain's Oktoberra and Society and Society & Company.

Pkoper of chara per work: it.

MILI 201 Magazy of the American Musical

This course will truck the elevatequent of the American Massical the each the use of caused and bytes. Emphasis well be placed on about charelopins and heatheds achieveropents. The Time-Like Percent Series, "American Massican", will be will be excluded Students will be will be excluded.

Pilguario difulkusa guer saunik. Ik

MET 1951 Augustican Bernelmay Massical Production

4 II m.H.

This common will exercise of two for depth search of the remarked sextre, bytes, well back of a particular Branchaup aloos and will regult in its precise time. These extinities broken the branch of chain and estimated time and unit extremates with the participation of the aloose. This example many be reposited once for exact.

Hearn of class per week: It. Hears of lab per week: It

#### 

The North Control Cont A control Cont ll de la la completa de la completa La completa de la comp 

3 #. l.

44 lile 4-i Histori land the first of the court of the second of the second and the second contributes the contributes to the t and the free profession toral to the Review temperature for the profession of the consensual temperature.

i destrucción de la contractión de la contractió

m 1.h.

All Particular to the process of the District of Act. The course personal most tell programme and the state of 
turi ku. Ny inana mpikambana ny katana ny katana arangana ny katana ny katana arangana arangana. Ar

40 se Cameroter Crechet The strike the strike of the s The state of the s

S. Brails (Strong and report 120 absent)

1. The Control of the Co

CAMPA

THE PROPERTY OF THE PRO

renturieras, de la comprese de compresentativos de la compresentación de compresentación de como de como de co Compresentación de compresentación de compresentación de compresentación de compresentación de compresentación and the contraction of the contr

Life Bul Elfanding II

Markistaturukan in urkalalah partificak ing ceneras, nadir neropinkan par paragagal anggarigadas. Man million attacker in renderatual de suit dis conception departing de a proposition HILLIAN DE MERCE, DEDICE AND A MEDICHE PROPERTY. Complicate and the place of our the embissioning. inirus uranus.

Propositional of CACCOCC comprehensive editionary com-

Professional Commencer Commencer (Commencer Commencer Co

ar in Furre

Anness Account for sexpected and anticomer, of participation and a minute of comment thin being parti-Commission, These corresponded by Propositions, compassion, color frecov. EMARK, Waller, William Land Schrieger. Emphilism will also the con the committy of Inchalogues ikallatkin and turkiyish cixxin en mokitbana isi erek tek jistinlarij periodarra.

PRACTICLES (N. 1911)

M II n.h.

Accordance (In the section attented the enterior of the production, techniques, and methisti ottossi in pakittiga Erigthaan sell tie plagad en helheidaak detining 

AR ett freiere

**Takkali essa comitiscim politiki je il likereg a samaty od hormány tychologiany osilh szegdania csp** And philosoph allow, contribute, from the regularity the bedgenerally be choose, good. Stanfanta will be reconstruction of the state of

ale dult Fine dela Seminae

The course of the Technology by repetition of the control of the c Banna Politikas, mentinės, and mineralnėj et salactad seceks, pentinko presentation, akale eranistation (Communication Density, authorises participation, and discussions of aktanı in berinde

**Harmer Harrier and Americal** 

### Philosophy and Language

llin distributeranien in 1966 regregari

th PMMADA business for the black till the control being sold taken and picksacapisers of the sourcest resident from Secretical Plants, Americals, Constitute is practed on the pipe of the enteratible MATTER FOR A STATE AND CONTRACTOR AND A STATE OF A STAT la dia managamban, dinakaran ark dinak watu problema from the besis dibintens or Miteriotics with the system, normalisms also provide a system and beautiful and critical Heinking — r.a. MANKE MURINIAN AN AND AN ENGINEERING KANAMERING OF THE INTERIOR MEANINGAINS OF akan di kalendar Mangan di kacapan dasar 2

PRI 251 Lipsic genel Arreguessene

S Balk

. The course process to be in the many became and printing united, political, and philosophical existence which will be addeduced in the properties that become the second of a side, with training in Arkania Oto Theodol of angunose budden fee bargida of correspondence spaced cond on their lithroad at beignees in important. This course covers most of the traditional logic of effoliance where we are the explosion and the constant momentum in the chereby process of mose literalisekse, un vool op the alexages, of critical thirdians.

Principalistic Servicement abundling by complication of 6 Amoric of English, 14 cases of closur 

HU 258 Ethics

The study of ethics provides unique insights into human behavior, personality, and goals. Beginning with topics like the acquiring of a moral code, the roles of reason and rationalization, the distinction between law and morality, and long-standing issues like psychological egoism and ethical relativism, the course develops methods for sorting out questions of morality, fairness and rights. By means of many familiar and practical problems the conflicting claims of egoists and altruists, the past and the future oriented, those advocating rules and those favoring net benefit are presented and evaluated. As with other studies in philosophy, the approach is to use relevant discussion, not dogma, and in this open manner analyze leading ethicists like Bentham, Mill, Kant, Ross, and Hume. The course ends with a study of punishment and rewards and theories of justice. Throughout, a problem and case study method is used to introduce a large number and variety of moral problems.

Hours of class per week: 3.

HU 267 Modern Philosophers

3 s.h

An introduction to philosophers and philosophic problems from Descartes to the contemporary period. Emphasis is placed on historical development of ideas and such movements as rationalism, empiricism, pragmatism, and analytic philosophy. Problems range from the mind-body dualism of Descartes to how we justify knowledge. This course will show how consideration of philosophical problems relates to our everyday lives, and influences scientific investigation and social/ethical concerns.

Prerequisites: HU 251 or background in Science, Math desirable. Hours of class per

**HU 271 Comparative Religions** A survey course of world religions, major and minor, of the past and present. Religions of both Eastern and Western cultures investigated. Historical development of religion presented through mythology of Egypt, Greece, etc. as well as the historical progression of the semitic religions: Judaism—Christianity—Islam, Emphasis placed on determining similarities and differences among the various religions, but course also deals with the influence of religion on science, art, politics, etc., and their influence on religion.

Hours of class per week: 3.

## Communications

CO 220 Introduction to Public Relations

The student will be introduced to the principles, history and practice of relations; and will develop an understanding of the processes that influence public opinion. This course will also cover the ethics and responsibilities of the practitioner to the media and the public, and discuss the public relations tools and resources that are available.

Prerequisite: EN 125. Hours of class per week: 3.

### 

### 

SC 111 leitereibustere, Weisber,

Tirk registers removed the harmonical extension and excluding builties of biology. Historical Programme all residents benefitte deskloringere beschwend Califor statem. permitting and energy fats are discussed in perceis and excellent pereceive. College of the state of the sta alli de la completa de la completa de la lacción de la completa de la completa de la completa de la completa d Bekenggerand, believerskanden, arkt blandig obbestrett men beløgenhad by trissens ef satisbus 

There is a constraint present the east. So the law, and but the manufacture of

SC - 12 lespois dura Birtest.

is defined a support the sequence of the policy is the description of the sage baseds where you described, with the sage of th processification beautiful mention of the residence of the constant of the con A na row of Library (The Caregianne E. Coregianne religion) by treplea desert coregis (Ather areal comp., A Caregianne, And marker as they religion to the barran respondent with Greek, or emphasis era

Officers of the interpretations, and the cry present to an integrabled by present of anothers interestation, requests, ireclateral last elicentification and creates engineers, of depressantation enseries and execute the enseries and service taken constitute, belong breaking, while which out placeds.

If the product of linearization is a service of the enseries of the

North of Company and Statement of his concentration

lik i Ta Kiralista Kaslagit

all office to correct because of grave reactives real about the first team. Triples his correction that correction that correction and correction of his about the real process of the tradestrica force collect martabalkant, contelland to harmethy used the parkets control of sail and the transfer of the contraction of personal area of the personal area will be relationed used correlated with the correlate resument for in result from the broad. Erroll books well but behaved consendents reviewed to, the materia last bulla kina general karamasan, sasal dha cart ad apparatamentahkan ian cannisch der connecumentaly ke Benedicke grown warner in the course.

Marian (a. 1916), par maria (a. 1916), par da de maria (a. 1916).

<u>ill 1872 litarel Hireit</u>e

the entropy of the control of the extrementary burger branes, which devokes amount of behind planter, bull-commed er og skale statisk elkantrikt ardi sedentaria skip Hisaben sit den pharet behendett. Tha tarpara all gladts and the admission to this her. In this morning runds, burn here it intervelopes, and m actor (place) kom od remes. I bener plant organic sell mino len attaliaci in relationa bip to their NELLEGICAL MARTEN PROGRESSION DE LES BONS REACH DES DISTRICTS DE LES COMPLES PROPERTY (DES COMPLES PROPERTY DE LE and the control of the place of the Atretic equipment. This indicates in the place in our march of These opening and his corresponded with proposed to each conscipts as energy lines. erengen blein, genemen general har en spiece, deret bekomme ereren ookkom. Majere omrekende hall Parinding contracts the later reserve by the Contract of the C

Kuntan janulus 18, 171 cm jasettain kieri efanateurtur. Hotors est elassi part amaak: S. Ekimen est 

BI 173 Animal Biology

s sei

Attractionary nursely of the animagin, from Protesses theology. Chardata, and dissistantings. Berth pressured information of variational and invertebrates will be studied in relation to their developerment, forestioned interactions, and aparent physiological relation for their developerment, forestioned interactions, and special physiological relations. These concepts single by relation to parkstrately perfect, as that the student will be related to parkstrately perfect, and that the student will be award to be accordated for the forest definition of the student section of the student section of the concepts of the

Freeingstables: 20 172 or permission of centractur. Hours of class per week: A. Hours of

hibani dunk: A

ki jik kadaw

4 . . . I.

A schooly of this interreductionally, bortaneous being separate and their pitanical arrestorates. Emphasian well be preceded on the undereduction of this or a decoupational trace before and chamerica. Must be obtained to a member of the bicognition will be alreaded.

Procequivals: SC 141, EC 177, or perfection of matrix for Figure 10 case case consists.

Flastrin väru takan

Ed 381.182 Ametricus and Physichegy

Trace service to common authoring the trace or body as an order manifest complete of explicit is. Functionally as an explored of the body of the trace of the complete of

Philippin of chiese pair paints: A. Misare of but pair addick: S.

li 161 lietekiste

----

Thus control surphires the recognishing, physic begs, for exchange of the entere property of an exercise management. Emphasis and but phicked apent record characterized in the field of characterized property and recharacterized applications. The behavior will district leaved incharacterized by the characterized and the recharacterized by the characterized by the c

Prominguisher AU 171 or SC 141, PM 141 recommended, or parmission of softrativ

Historia di shigi per menk: I. Mengari telebih per menk: I.

### Chemistry

SC 170 Introductory Chemistry

1...

A continue in the negliculations of channelity to excisited problems. Topic a to be consisted encouragement of the middle of the consistency of th

An important element of the course well but the preparation and presentation and presentations of a removed to remove car as charmical enject of a terminal enject of a terminal form.

kayarındar'a appesival.

Pfrair of changener anishty it finance of bots over animals. It

CH 171-174 Fundamentals of Chemistry CH 174-5 4 s.h. such semistry

A community that handarners in a charminatry atomining busine, principles. Treats inchelled need atomining busine, principles, treats inchelled need atomic business, the embers, the encoderation of treats of charminal business, corporate the endough of the embers, and above the experimentary atomics and above the experimentary and above to experimentary atomics. It is not a few the experimentary.

Hours of class per gapen: A. Picers of lab per settle. A.

### initeliaran mengintang

#### IS 316 Mechanica Statuca

The second distributed distributes indistributed and physics majors. Sympacification provides and attacked in participate and rigid because and inchestion that participal Astronom of the charge threat has the and other told without dispersioning problems and discipline Ababan and ababay and the abadem). Topica crossed here: section eighters, his case year Authorite doctoria, plate archagase hispara. Franca and negligibles carrenals is ti akkina umil indunung terahan kabupa, barang upih diapakan kenalag biritang anya. inerioral de la finación de inferencia con encontrata en el deporto de la contrata de incresa.

AND PARTIES AND PARTITURES MAILEY, compression of or conscurrent regardention in MA trackie da status de la S

#### 2H/ Machiner Distance

Maria Aragnak dar angbertaun megaperidia, medhemadas, and physica maken. MATERIAL CONTINUE (ALLE CONSTRUCTION OF THE ANSWERS OF THE ANSWERS OF THE ANSWERS OF THE CONTINUE OF THE CONTI Constituting the first had been exercised in the constitution of the presentation of presentations and the constitution of the ardaletara alla dicentitar atuadente. Togas e coverçot doscurgativosa del produces, venciolisma e and the median combine relative to travelative and establing asset, work and ATTICLE MEDITAL ATTICLE IN ATTACHED BELLET PRODUCTION OF THE CONTROLLED BY CONTRACT OF THE PROPERTY OF THE PRO tto ki film mer i mer i era suurgeed mes kalmus, end kuused mes kalmus. Pittosuuskus PH 121 men MA 125 (ba. Pisan S) miss per meek: 3.

#### I'A i Elevieit and livernatic Circuit

A COLETA des Nos cessiques da brensi anal mai biado de colo de colos gossidos emigramentes anti-A colo Mancen. Togram a seconacidar o Chan da Lexa, Naraballa India, magnicipanistica principile. A CHARLES AND A DESCRIPTION OF THE PROPERTY OF tion (CS), its Colorest and communicates, response to first and exceed sector againment.... efficient, michaellenen schriften jungen, seiler soll sweithe einstuurt sircillis. ANN MARITAN DELTA VIL TOTTE AN CUINCIA CONTRACTOR DELL'ARCHAR MARITAN DELL'ARCHARDA DELL'ARCHARDA CARRIAGO DELL'AR

grette for Mol Constante (od concentions). In November 1991 1977 construirement consultings of the McA 1858. Fictory of calcium part Prince of Direct Court is a few for

### 

Missionalization (a) the form that emphasics the atractice december, early researces of . I takk odak dengan penggan kenalaga da kerengan dal kada dan panggan da Bindar dan da kereban k Marking and the strict of the ika ali Pane, merandari didanti, dak birel nirusa; line atmesephinya dini (le pediatika). Tirel peninganal kangota adali da kortinika, sarifinganikan madikanin, speditenting filolo. Markettani in tribugh, bightrib, and land una, wanter and their transmission Allemannet ukskis om til till fottore. Latis sett modelle procisionlicker througens of more easi. THE STATE OF THE S

Abritania en Francia de Bergario Petropologia de L

#### lië The Ances Larib

7 a.h.

from Million Carefice continues, reprinced sensitive entering and the front operand. The the control of the co (1985) (1981) (1986) (1986) - Emily Senitry Society, kiriliseigen and their "evolution"; MANAUSATAN DANKE Chieffennichengernet epostereff in the pasti, the excludion and bound recount of Macristropes and likiture, the discounter—when givens walked the earth, cramerals, cram All Color water. The institutional functions of New York States and the New Security Color and MANUAL MANUAL DAY (Charle Massers), menerbar Manuariya panga panganarasan, abahadan angang

Half at this see meet a Hear of his per meet ?

### Phusics

SC 161-162 Introduction to Physics I. II

A barrels out opprovised to physics to estach the electerocarrile. Other pict discontinues were chowelegand history haltenintsen, incensignalisms on the fellowing regions.

Membergreensk, serring, reself. artifeth separate step, and assert are being a fed between

2. Sarepk: hiprorescrie, encellere and grouple of archipem od a special contains discovery parally mirrida (terakakaka

3. Charrelial, Charrend, ered obscirible princerlas set marthe, adds complices are bis Painterry with monorating of the particular radius of the elementy).

A. Mirrory, birches brok physikal opence.

Prermatikation: SC 181 or acountylent-man instructor. Plance read SC 161 broker responsed by review by rocker SC 168. Process of this system course, 2. Practs of Colorado Course. I

848 LTL 172 Bhysics I. H

Accompanishment and account and an extension of the country of the spine, produced, and discount of publication dentyrkelt for magnetering, middientalten ord sentres opriken. Arker transpolities hterkennertieks est magelisteket, besse sock slinterræktennerete ekkeltnerty som magnature renedikelerik dest som ett. Attemat viril ennskape jäkyrkanin olin, terkely mindissi il ursanerendi kanada arti kumuunun ku ka makanga komuur manada ka ka ka ka ka ka kuluu ka k aus terdying (tremmus (it) dekkinssi) termielien til oblemen. Ustim erromates ik irlusissi (i) ekkundeligdens tibu umadeteini abiidili, enni prinkheri pijekkres hkille ist tiber attubers.

Preringulation, Computation to desponding in 1600 (47 or computation of real function, Plants of alkani line alumbi. It fisher is a kilo see alumbi.

Pre 271 Physics III

Centeres thinkyrus fra eregenterfres tret physicis mituris. Topasis exemped pus: Miretallfr angusal panti karist abbertourskarrest is skilosus; kyranist lithauen est onskribber ette skilosistates skilosi Compron obser, par seathering and application, XVIII, discrete differential Aufbrigger ausweit. Derticht im de trown, weiterfallte perfectlie, fachte ersicht in den aberi Entrandurado atradizar de la examinación poloción sono dos percores eleberarios niculture, radioalitable, riologo basica nici tambér repraiem Minocelliberina clustyllations, spinettigt, plateticus, biner, bareli transity is ipikija iksat sagracisticisticis.

Province Company Company (1915) and black 1537 IEEE Marcon of Company on the Company of the :LHT:11.41111...1.

# Introductory Sciences

SC 121 Beste Stalls for Science and Technology

A reserve the survey for provening the preparation resolution and account the state as it arrenicus and ilkologiksely conserve. Trense serbalis purceprezenti itik cuksumit mendilik ramengan ultuba tungkan pankaman palengan pankan da abaga menghan bantan sahistan sahis bahan bangan bangan b salingting pykitaani rajoitunisiipin tii riinjikasi sankillis kin mohing rasidikirya. Suskikiryy manutagi paptabulundugu ee taasiiddasi, ilitaan taatay iligadoonaa, eelectista asiil oo taabees illih wikklung at tempa is spiriteda representas virtus king tida il kuntuscid utak bilge ereneseniens, dienenen auch benetekte, alleretekt 1920 (U. prophe XVI. Betrikat in problem). mergebyeret eighte iringreibe tengentennetige ber bink neibnibene auf rechteband meerbibenen, und ist mental ring statement, and state produce reality introduction. New particular assemblished Acces (Line December) detrical employments, fell may be used for allected greats.

Physics of siles has been brook. T.

120 Science, Tresidellan, med Sig Sig

A second of the lightest of business and technology and up the litteracitiest (antemos).

In the light of the light of the light of an extension and the religions on the interaction of the light of th n 20 letjent tit i sambi i att milioni fra korgation monaccional arcitetata ment il monaccioni con libra edecantimo effice on the function of twickerships, the extent of an erasin exclusives compained beet the This of the homes, the material is areas unitable to repend the brooks about the complete subject of remetal (a) Kenting in the executive expresses of process of the other lands of the enterty of both. Syntactor aturinkul 1980 piranthan sersamuniara, busulkinch oberhanah 1761 bir ihit matun bisklangi parjanan. etekkijung, deut haltere potentrare og dekond. Den rokselfter fine onnovergeret til het besøkigge final tresidenti i i i se i kompuni proprinci posti i in vernit compute di ci stronomi. Alfants alkander der tilbak. St. defende im find der strakt ist.

SI die Encirementalitängses

Californ (annihilate), proposed that acceptions provide the facilities, artempte, collections, direc - September 1980 and 1980 and 1980 are a september 1980 and 1980 a and the state of t ng illusi (figeriniski jerga). Urat arut servenski kina ind thattiradi.Uraminis, and mikilatikspisit (ba especial in arise (contradictio) and chieffed European (teaperal resolution consider) by that and distributives the second constitution is the constitution of the second constitution. The second constitution is The Board of California (California) and the California (Calif organistica mentilikatikan menancikan maseliki disembil pembiliki, meksi suburmi, paseliber misi ATTAKU DANGAN MAKATATATATAN MAKATAN MA and the state of the constitution become common positional factor of the state of the constitution of the

Se. The lastroom, com in Physics Anthropology.

transık anını barı birizmik ing bin illeniyiklir intantfirreşinkingi seril itinin istini disebi dise birdikl erengen blid benerktigt gundurenen transkirenken abent iber etteler id freid gest benernt De produce de la company pout de la company de la comp transcription of the contract of the best of the best of the property of the contract of the c lkarol Betrene wilk day oddi agas dinosal.

. The Market College and the college of the college

# Molliemaiics

Macika Baris Technical Mathematica

. The profession is produced and by establishments and him profession for the profession by maintaining the position in adirent (d) ara kurtua arra finasisa madaa madaa kurumpenta. Leguli arra-nada adireki marebura kend lfur situli, malis uspusum iksistaa ja situamin, magastalifiki dajmina viesti, primana funsivilia. PPM ittiniamin itosiri, a itau itoli, paiditures kilifunti itariahi kini kilifunti. Marijala, principali, p

NA . Litz Texthesical friedlerman, a

And continues and property of the second sec and a control of the control of the bands, where the control of th en elegion, primi avita debultares ifraculares, makridistor (marga, 1100 anatri, probesti). En político formación a tras, librophia, elegio traspedes traspentarentes, base el subals area (construe). TERRETORIA (A BENETOTE), ETEROTERA (A BENETOTE) ANTERIORIA (BENETOTE) (BENETO

MA 147 Almebra

d a h

A proclem approach to introcke trop algebra. This course is designed for studients who issue a limited mathematica background. Topics include eats and sumter existence, operations; experients; properties and subjects included a limit of deposit equations, functions and graphs; such a problem. Not created toward the Associate Degree graphs regular members.

Physics of class por accord: 4.

MA 150 Survey of Mathematics I

11 . .

An example and resident methods for the removement of the statem. Topics in the tribule of the restrict of a particular of the restrict of a particular of the restrict of the statement of the restrict of th

MA 151 Intermediate Alphiera for Cellege Studieta

...

This continue is designed for a highest who have had only a minimum of fieth exhibit multipersular and what wish to corroll later in any of the following commerc MA 154, or MA 156. Topics technical properties of real fourtiers, polynomials and residual experiences and residual experiences experiences, experiences and realizate polynomials.

Franciaguantia: Mrt. 147 or one perior of right periorid algebra. Next upon to introduct school.

Against county for Month 11. Program of chool per persons. 4.

NA E14 Procedentes Mathematics

. . .

Pharkepronomic minimum the proofs of the cakenius Tephes include hepet, between includers in the proof of an includers and proofs of the proof

Preringulation Interrepolate Adjeture, MA 181, Month 11, or permission of mathematic Means of class per usests 4.

MA 157 Analytic Geometry and Calculus I

4 .

First scarres in a sequence of fear courses reserving topics from the calculus, arakles governously, differential sequences and advanced arone. Providely, for mathematics or scarres majors, although qualified students have not related an encarasinged broken the scarres. Topics include: respectibles, introductions arolytic spacestry, furtificate forms, through confinition, the distinction of the vertical or of eligibiasis: furtificate, applications, applications of the mathematics, artificities, applications.

Premigration MA 154 or Till priors of high school mathematics on 3 priors of high action and high action mathematics and particles for High actions of class and particles and particles are a second or secon

MA 158 Analytic Geometry and Calcubas III

A construction of PAA 157. Topics Include analablementialized the deficient integral applications, analytic generator, trigonometric, topic there, and experimental land title. Presidentialize: MA 157. Places of class per metals: 4.

MA 160 Statistics

3 ...

A course designed to give a houndation in statistics for statistics for attachments in Gamerous, Scientification, Phonocratica, or Chara Processoning who are pleasuring to transfer to be an every property. Topics include classificate statistics, economics, economics, property or production, brownish, by production, and received chartefullicate. Inspection, exception and economic that the control of the contr

Promogradules: Entormoglicato Algorbea, MA 151, Math 11, de poermisidad of the MathANDE House of claus por woods: 3.

The Madernate e loc librates of Tochostons ! and the second second participated by the second And the last the second mi prilisyli saltaritatsis, on aparalaitikiri, tahtu, priliprini kota, tulaiti ahkat, argarilli ffa. Afril tranting i Transcens, registricteristeristerische instantion. Deutschaft die dit in der beiter in der bei der b

l (C. Company of the BUILT, or particular real posterior. There all cross particular f

nga Panggananga ing panggal kadipalang H

<u> Dentermanicas de Nija (b.). Transa tractinda escaba (1) de 146 diserras esca</u> pristinger von gestellt der geten i Austriaus. Ekselder i elektrise grochermelten ist de beide freser Beschiel von debreit in 1997 in alltimen bedeut in beschiel (1991) (1994).

Maria de la Companya **Hillipia** etekene er judu. G

Manager and Archae in cut detectable and colours company backlacks, to see a selection of a factor than The contraction of the contracti

**Tallieren and der Greek Staller und beit und Schenen ein der en. There in die dat de beite, redictionis** d Courte Cristian (1995) (1995), but hay be constanted, 1991 (1994). Disposition of the Orion Education (1995), port but the Courte

A. 1847 American Consumers and Code which til Martenitusens 78 MAS (1786, Togeron einebileki renefficult ist endugundenen, politik istisen kendenia. identieste, kistojetojiki si, leikiljeriitorunia (l.) etal, letuito samunia (kistojeto Saribus adito lle fra talente film elle græger kertitet ellem som folker bet, gen fud dølter en forden stret mitaligi. His grænser geneble fil fr

A Company of the Property Charles and Charles

Tribute specialis (letterform unit) properties (1) (litterwines experient) (litterwines interes of the decrease and evening applications, formsetting equation, because d constant of the second of the second of the second of the second constant of the second of the sec Preparations Preparations (NA 257 Please of close per meek 4

MAR 250 Birman Abarban

Uttik trougisk is rhosgrekt for kokumici saser rhatherisation sa skakrice shiribinati. Topika decentral supplicate of transportations, resident transportation department to a proper constituent. ekonografije broten i producimatorio, sposlišene, ilošeninismoto, elijastelecitism. Proposto izgre belg 1860 ilošanio colilino per indone I

# SOCIAL SCIENCES

### History

55 Jay Madern Western Civilizations I

An interchackery couldness in Weightern Configurations targermany excessed the territorian. The course excessions the reason excession where the configuration and excessions where area that considerations to the excession burntage.

Physics of examples and select A

55 154 Machery Western Civilizations II

£ 1. . . . .

Figlicians the nurse basis, plan as ES 183 and is a constraint of that course is the property of the course is the property contributions reads to the constant basis of the constant to the contributions reads to the constant backgry, character property of property in the exceptory works, and their kyplications for the fallows.

Adagang agi akeus jeun adangki ik

35 186 Black American History

Pt. Ringly of the Description beginning and descripts in Arrages and their court frances and their court frances and improve and the recent and being one the last 100 pages and the recent and rights and Black Power movement.

Philadry of chase per terick: I.

55 157 Chylaters of the American Revelopmen

- 1 m in

An indepet attack into the political, exercises, and exemple alterational beckerioused of Berkeline Armonica that county the War for Independence

PROME OF CHARACTER CONTRACT

55 241 Survey of American History I

!: :::: h. l.

Annuaces of the problemal, proced, and introduction description of the Careful States harm the Calorial period to Reconstruction.

Pirages of character week. I

55 284 Survey of American History II

. ....

A confidential of 55 253 from Baconstruction to the present Emphasia by the edition the character of the American society and the religion to the male or a field.

Photos of their per week. I

SS 235 The Soviet Union

Astropy is resulted the social, political, and examine the There is Crame Richard for a large term of the social Richard for a large term of the Large term of the Large term of the Large term of the Social Linear structures the Extended Richard Richard term of the Social Linear structures the Extended Richard term of the Social Linear structures the Corresponds Fresho, and the Social Linear structures discussed after a structure of the Social Linear structures after a structure of the Social Linear structures after a structure of the Social Linear structures and after a structure of the Social Linear structures and a structures.

Processing the A became of Special Sciences. Placers of Oliver per week. S

55 250 Diplomats: Mastery of the Children States Before 1900

Their coveres will resonance that neteriors of the Change Stones with diseason exitions from the American Devolution with the Special Arminism Will.

Historia est estavas per kunuk. It.

SS 256 Insuch Ribble al Period to 1945

F ash.

Major historical, positionic, service, and military departupments from the time of Morthum to the erromagness of the Morkey Moste of bread in 1983. Actual of corresponding will include Historical Period, research of the Circumstance and Regions, Life in the Dispersion Hast of January Market Majoria. The include of January Majoria, Research Majoria, Committee of the Majoria, Research on WW II. Where extending Academics with Contrastation, Historical Majorian on WW II. Where extending the International Majorian in IVW II.

Philaden auf allama part north 🤼

### 

#### ASCULL Compressive Christian collections.

M. transcriptor, printpia (1) (color) Medicipes, healthridge, processor and palicy <u>Берренде, да серинеските вого доструга и рединения спортока и при денама и рединения и денама и рединения. Тры</u> energe and the expression and the contribution of the contribution 

#### 88. jūl trependieri remente kiesma

3 a.h.

den urangan. Es d'an company d'unicitation des comprenents des Cinaminaries quertes establica. Comprenents de comprenents de comprenent de l'histories de Comprenents de primie al depoterra, des communicati dest folger a energialist per the receive perfective entitle C.C.S.A., "The Forgole's Marjaridic of Cores, and access Section Renters, burronseen constitues.

#### 

The distribution of the content of t BAR Establish from the country to be an of the sale of the party. And the post bracker enforcement be 

Eliging (Friday, 2004) page (5

#### 

. The effective of the executive transfer the explains, and explain the Arpenican Publical September 1 certains which the graphics to All be primarily belowered and rest Market Bereit, The free the experience of the street of the street and her "Whe Cheta Whet, Wheet, 

#### 

der egretze ein tilber er edføre i kind opner fram er find krist Protikeris per findstrede per entekens må Und 2. en egre Skalle Line (Tilber en på kom en tilber en av skalle kan kaller grever i kriste kom at kom mæd 2. en egrevere et kom av sig fram er nit tilber kom en kom å kom er hen syndere skriver mer standig en klade u that of the season of early Atherman will be roud and only to well and advantaged val right repositively. To produce to the oppositive problems of the reprocession amount actio on Contractive contractive reserved perdularies, beganning company, alternatives, condition equality of life. tikari direktara kan periodikan di kelipatan direktara direktara direktara beriodika beriodika beriodika berio

**Carrie de la 180 de la company de la compan** 

#### ar ar manan firma Similara

Mark Subtanations is socialistical physicians createrning the present expectation and decisiongeneralisa in a regeneralis de la companya de la co Mark of an experimental experimental and the second of the control **A libani (Pracidi da ili), i prochazil in** zocaznijan kali mazzligation.

renerviste, Servich Heinrich Franzeit Schreite auf Bestehen. Heinrich sehm per werte

### 

#### 

tease, conservation in the play though of human between a provided. A study of the ikke, segi tetari i bisk gradigia ini barusing arab mistorerenati na idabarrukasis (d<sup>e p</sup>akktario) (d. AND ST. . Propy Control of Instituting, mechanism, and the making of condition.

From the original participants.

225 Menternal Prochemics

A translational bire to this bishirigal bish experience of observersal projects design accepts the physicismal chicarchery, the brilliogis, the seripelicaes, exception, decodes paralys, until liquidizaers ALEST CONCINUES THE FRANKLY INCOMERNMENT HER THE TRANSPORTER

Physiciagraphys (SS 1994). Electric (A Christ and Cassill )

NSS, 124077. Chrynelingementinkal Physiologisks

Propostormetto, proportional telescol final confidences to the east personal productions of charges with fi ar our skarringskip for a frei pennedigasi ktorinin till ikin, i.e., freikthör att mellediripters i milasthörfaf reigt ikulungan. Mittelyatan in reponsi tir eraktunan arad projekt, pa sand am gjergetir biseria akkiestiren 

Divergerantia (1858-1964) see ipariita sikuri iqi ibne arikteisi dor. Hassari ool oboks ilare sinaaki il

(\$15) (\$36) liesterschungs in der Chemoreloblists

Prevention in Creat Cales of the marketing out that will been all the companies of the make appreciation becken tred construction by the great and breathed become an the receipt processes. The creative well become rockfra dettogradicer of kolusionalijo skolo svormanos bodi die sledo divolucionalistica equality m lde legelektion selly fferrikking permen. Newwestrom until servicen aktalakie kin thirdikkii samere e iri irgi kusul mesakudi kan iskeri ilksi kenil bisakuman. Parissi jakin: Cematai isai i etari kenil m

Harrietanek jurtanak 1

55. IKA Paramenthia Phieseles

----

de atturby of gradie registres is theory their reconstruct rethicle per telescour, cryppy level analysis tel edituichtismi inni liirte-inismi. Minte troodelis mist been they med thereand inni teorid tit natumin higher consumpts of premiable.

Processingly SS 200 med SS 300 or recommend of the biggrandor, factors of class par 

### Sociology

55. LSO Cirentenerpolicum liniones ared Periberant

Dinks contained half resembles their french beneam of contraint to the Armeric entresident, entitles this secolal generally, at the three the coveres is offered. The major and problems by areckanka mening klasa kupun disentahkai mperkahan cenar 10 keraj pancinal en firen, anesta dia prasikira arang melah telatur, empadi bang kenar, papanar mend pelabingg, bang bij ebahan pelatur, dan medi anti besah p than many his limit numericans. The excurrent is unlikelikely to externing a separate of the seculdaria well percolate then combined well/for commemples of from execution to budge the extension to the ther endance are problement of a consider chapth.

Piliparsa alifarikanan jener albanik 🖽

SS 181 The Sacialogy of the Post Afficient Society

This exceeds a stad executived the historican emparchies conservances compacting to be a superior than larada do secondo, rimos Universido, aranol, ristos delevas, acarollo, el portecidadeste. ruministos, polítidos arol citar munica. Tim provinciados ael include tim estral el el adairthice aice readh, amschaighrachtar a thesa, peisel saithas i bh, peans dellas cel seic beith. Chairtean se will there experience that the contribut become received to the plants of the first 

Harry dam per 1144 1

55-261 Misserby Groups in America

Sharly rel that area, that representational and the produkers different attacks, his source. grad gylakorky grosapia bahasi badi ta Parenikis.

Phillips of chain pair bubble.

#### 19. 280. The Make Media in Contemperatory Section

5 3aE

Sales for figure retarbe the history of American incomplians, the impact of the mass the marks subtracts response life of medic medically diffics, newspapers, redic to the kinds removed as medically are special, and alternative approvedes to the

Pireitu ed rezeu jun-ionalii i

#### s State Interceptable (France)

3 s. h.

An true to twitten, triance changement to acquaint the student with the student with the attack of accordings of the countries of the structure of the security that the recent of the security that the recent of the security sect that we said the security of section of the security sect that we said the security of section of the security of section of the section of the structure of sections of the security of section in the section of the structure of sections.

Marie di chia per care d

#### 55-249. Distory and Security part Spect in America

To very under substituted that the sport, the covered of how eport is viewed in America, a second respect to a second in America, as a country of the Crist of the American second that the Crist of The athlete - and a second that the Crist of The athlete - and a second track at a second to a se

### SS 294 The Family A Cross Cultural Approach

- 1...

The four continues our containing attractives. They characterize use in a containing or the four containing of the four characterizes used to be contained by the four characterization of the four characterization of the four characterization of the four characterization. The cought the containing attracterization of the four characterization of the four characte

Philipped and the SS 280 of perfections of the number of the

#### KK KK PANELAN (SELEMBE)

. . .

• The contract will depend to the appoint of each observed theory to the study of political water in many many many to the study of political water in a property of each political water is not provide to each many many and a sufficient of the philosophic and the

fffeire of olive our week. 3.

#### SS 387 See heldsweetherlosgy

# Bak

Thereof you all behavior. A scientific assempt to understand and sugarin bove the screen large and sugarin bove the screen is necessary to understand by the actual, imagined, or maked to be sugaring a street of the section.

The study is project-byling, bating, working, helping, trusting, lighting,

Material and Committee and Committee of Principles of the Committee of the

#### SS 386 Decima Religion

F and

Liber on altering to be identified the coordater of under which contain each, characteristics, factor of an anticipality of a countries of the contain and the second of the contain factor of an actual of the contain factor of the contain factor of the contain factor of the contain of the country and the contain of the contain of the countries of the countrie

Presentable 13 28th of personality of the matricities.

filialis af club per usek: 3.

# **HUMAN SERVICES\***

**HS 110 Introduction to Human Services** 

3 s.h.

This course will provide an introduction for the entry-level generalist in the human services. It will provide students with an overview of the field of human services, as well as the range of available community resources.

Hours of class per week: 3.

HS 211 Problems of Substance Use Disorders

F 3 s.h.

This course will introduce students to the multidimensional problems related to chemical dependence as well as to their treatment modalities. Included will be pharmacological, psychological, behavioral, societal, and legal aspects of chemical dependence.

Prerequisite: SS 291.

Hours of class per week: 3.

**HS 251 Introduction to Developmental Disabilities** 

3 sh

The course provides an introduction to the nature and assessment of developmental disabilities and the skills necessary for working with them. A study of the psychological needs and adjustments required by those with physical, mental, and emotional handicaps is included. Resources and services available for the developmentally disabled in our area will be identified and analyzed.

Prerequisite: HS 110 and concurrent registration in SS 297.

Hours of class per week: 3.

HS 291-2 Human Service Skills

F,S 1 s.h. each

These courses provide the interns opportunity to reflect on their human service field experiences and integrate the insights they have gained in their internships. Discussion and analysis of field work experiences will be an integral part of this course. Combined with internships, these courses develop helping skills, including sensitivity, empathy, attending, questioning, confrontation, and problem solving. Examination and evaluation of client assessment, goal setting, case planning, and case management. Skill development in observing, listening, interviewing, recording, and reporting.

Prerequisite: Concurrent enrollment in HS 298-9.

Hours of class per week: 1

HS 298-9 Human Services Internship

F,S 3 s.h. each

Human Services Internship is designed to provide work and learning experiences in the field of human services. Individualized field experiences will be developed with community human service agencies.

Prerequisite: HS 110.

Hours of class per week: to be arranged.

\*Human Services courses are not credited toward Social Science requirements, but may be used for elective credit.

# HONORS COURSE, SECTION, AND OPTION (PENDING APPROVAL)

#### 

\* 1.4

The actions to the contractor intermediates and recovery of the laterature and in chapely account to the contract of the laterature and in chapely account to the contract of the laterature and the contractors. The laterature is the property of the laterature and discrete one of the contractors, and discrete one of the contractors and discrete one of the contractors and the contractors are accounted to the contractors are accounted

en an agus de l'Espaine de la terre de l'ha finance de l'engarent Ciff Compulation of est lecont 90. 1997 : L'Est d'Art de la computation de la casa posses cel maggio est 3.2 ANO approach from 1998 : L'Est d'Art de l'engare de la casa de la casa posses cel maggio est 3.2 ANO approach from

### 

And the constant of a constant of the constant

### Alenors Option:

An Exercise Control is 2014 at our horsens askind by a concretion chadrone the shadent to go be concrete the enterior of the exercise of allied control of allied at the exercise of the exercise of allied at the exercise of the exercise.

. PTV 10 to the February of the Physical Program and appropriate from instructor For the Administración (in Libera Arthures Schreiben)

### **TECHNOLOGIES**

### Air Science\* \*\*

#### AV till Air Schman i Privata Pilali

F

This course is designed by provide the student will religiously existential extension as remained in a passent of the free passent of the free passent of the free passent of the free passent of the passent of the free passent of the free passent of the passent of the free passent of th

Premigration: Concernant flight expensioner in pertubusion of contractor.

#### AV 102 Air Science II (Instrument)

.

The course instructs the stacked in all phases required in preparation for the Faderal Assetion written exceeded for the frequency Rathers instrument their successful and procedures, in conjunction with recikers ILS, VOR, ACH, and rather he stien are asset as and rather the stien are

Prepagationes: AV 101, caref embelod thight maximiliation, sout Private Pice Highley as automorphisms of instructor.

#### AV 201 Air Science III (Commercial Pilot)

F

This cratifies perceides the stacked with the secondarial formation in relative and engineers of the constraint of the secondary transfers the Constraint of the feelend to the feelend to interest th

Propagations: A.V. 102, and related highst maps rannow, and Princile Pilist and hearthers, it.
Frohings on previousless of kentrischion.

#### AV 202 Air Science IV (Flight Instructor)

This course provides the student with the areade deprecipation to pass the feats for the Flight leading to pass the feats for the Flight leading for Whiteen Escaparation. This escapare is choosing for landkerningals of teaching and otherwise becomes, the area and otherwise management and an indepth study of the principles of teatrament flight instruction.

France, in the 2017, and related their experience, and Corresponds Field and Instrument Partings on permission of contractor.

\*Air Schereig majour many his chronicipant in an impleme in the A.O.S. degree helbylcket.

\* The coest of higher experiences (est) correspond to real included in the sectional edicate being in the coest for the coest being in the coest with a first expension or is enhalphable and by the flight is the oil and are positioned by the flight is the oil and are positioned to the the thirt is the coest.

### Automotive Technology

#### K. [ ... [ ... ] ... Marken der fill belande bei der Belande bereit bereit bereit bereit bereit bereit bereit bereit besteht b

F Jah

A liter in 1996, the large with the curefunction, principals of apparetion, and Buffleries I have referent accepted curefully Commissions will be given to 1614 (1818) (1818) (1819), steats schools, methodol (18 cycerodices, apacial borde, approximations 4 (1819) (20, 20, 30, 31, 32, 32), basic workling for conditional income parties.

Addres at the section research in Figure and fire green anciety in

### \$1. 122 The let of three national transcripts through

Milandia di Paring di and their but reports. Compression condition recipe about francism and released tisykset kirkenten in program som der densker direkter direkter direkter i det sekretares (delle) eksimeration Biskers in der minner

### -III British (Confluentian Engine Supprint Sympton)

Banka, all the lift is about its often, contention, the embedden systems of the internal Arthur Management Linguistics for a still be granted in the laboration, with heat expansion and 

Terrence de 1870 (1870 (1870 (1870 (1870))), ex entre decleurs of brotts per terre for chain pur Terrence (1870), ex exemples (1870), ex entre decleurs of brotts per terrence (1870), ex exemples (1870), exe

### St. Des Americanistics have been Seathers

First kating of Decreasing and the secretary and by the second of the contrast aufremissiks diversiood eter troj. Andenen geneembreg send legitiken syskeren. Diversyssen (h. 1871-1871-1871), die represiden die genochterst registration en SC 162, die

ements and the community of the many called great country 2. However, of both pass country 2.

### AN 224 Automobiet et K. Bizonoù Sipotenes

At these and while the state of all arteriors well alteriors the first of its limites rewr erseries of the product security, the charge backgrower and environ, and atomistical and 

Teoresianale (TT) (TT) (TT) (TT) (TT). Entremander (Timbrodeleur) (Thurse (Toloris (Dourse)): 2. Trevest descriptor (Lorine: T

### AT 25% Power Trains Distrib Fratures and Amalysis

Maccountries at the submodus power doubt. Topies considered include chalciers, nendlied frankunskisku (ikiselji), selksiraihi: linamisedomism slistajin, skihei diism, spireotraksiraa. AN BANGURT AND ARTERIALISMS, THAT TAKE WHILL REPORT BEAUTING TRAINING FROM LANCOUNTERS ethifishing addit coloride (1976/1916) histo, transmitty depleas, 2017 special pressuring Bulletaeth wife (1807)

Percention of CDT, 50, 168, completion of organizational registration in A.7.335, or Francisco community Physics (Foster participal) 2. Private of Notice accepts 2.

### ATERIC Electronic Region and Chasse Arabaia

Makelik Microtocothicocki Herinacia the Sen 947 Engina Tawan. The topics of groups turthers erekaiskartation et accounty experience appelies their mend beneathers will be estimated. Maria Maria Ser A. I. (120, A. I. 124), S.C. 160, A. I. 236, A. I. 1886, ser permission of historicator. MADERICAL PROGRAMMENT OF THE PROGRAMMENT AND PROGRAMMENT OF THE PROGRA

fficients introduced at advanship their right company. Studeness make transportation 

rsa da la associa apostol spolograp de espaperent, de establica de fueste, iradouetou mil 

#### AT 228 Commence Relations and Services

**4 1.L** 

A course dending with the correspond of wholesake and rated describes their intelligent of a pervise of reasonable continues, subdictions, fortury, representation chalder conditions, and happendion and narrows for conformer corrects. The experience will include happendies of accompanies or with, air correlationing systems canadigms, and faile observation of correct garantees and factors require the correct conditions.

Pilenero ni chema par marki: il.

### Construction Technology\* \*\*

C.T. 12.1 Instruction for Building Treation until Countriet from Materials F. 3.3. In A house exactor in example than restoricis and resultants. Standard first str., etc., etc., example of inviter, etc., etc

Physics of Chara pur despit: A

CT 122 Light Franze Construction I

A spirit of construction tradecials, produces, equations) and terminating relative appendiculation bein inama construction. In the confirmation and backing suction for general atomictural companions transfer institutions through trades transfer.

Proposparabe: Consumund nightdratternin CT LTT, Plasta of columbus seasons. It Most of lab.

EFF 133 Light France Comatenciiim II

Employeds in this exercus in rect expecting, scatteries that, broudedon, externer withing intention tries, leaving, and lapters of perchan and gargiges. Lab magnetic as wrote lar successfully completed.

Promoguation: CT 121, CT 132. Hours of close per Levels 3. Hours of lith per condition

CT 124 Blergefart Kewiteg

Course places emphasis on working fractings, blueprints, and the corribate restators, and the corribate restators, and social properties from the social size of the contributes. The social properties and also bears to working the purpose of simulature, the contributes and properties set to the arbitrary business of the contributes the six properties and the contributes arbitrary to obtain a business of the contributes by accourage to restain and the contribute standary to set of the experience.

Phograph of allowing our counters.

CT 131 Introduction to Cabineteraldry

A hasis courred in cultimaterialising materials and methods. A stacke of his assistance of exhibiting assect and other materials, use of tools, and substance that substance had be inchired. Current expecutarialism will be presented. Field trips will be excussived.

Physics by classic per march. 2.

CT 132 Cabinetenskima i

A basic colors of colors in making materials send that there of construction. Exercise is constant, properties at the sale based and based over the factor because of restrained, residently, properties give the strain and. The attached will be provided with the recommendation of the the characteristic of the

Frenchespes: CT (3) or permission of teatre. He Thors of class per week. T (4) or a of tab per week.

\*Column your propers a second extens their mains carried . Station the make the supplies of the second arrange of the second sec

\*\*Starkente respublie egendad ekokleing og seguigament, hi arktitlen de tæsta fredrigetor AAB fyrideti skekalis. 🗐 💯 Yasono, Concrete and Steel Construction

Balt.

HOUSE CHOOSIDE DOE MOREOUR, prochem, regulament and terminology relating httilly die nomassid officialistical semperatoria light frame and light commercial ANDRUCTURE CONTROL STREET CONTROL CONT ATALA DAN JURAN DIKUMAN STORE, ING MUNGALIMBU BALIMBUR KECARA

Problems (1) 111. Meets of alms purcuesse: 2. Hours of the recovered: 3.

k i i der kan begren kan met der der der der

PARK CANAGE TO A LONG LONG CONTROL CONTROL CONTROL CONTROL OF CONTROL AND A STATE OF CONTROL OF CON ili kirin. Siksan isaki hedi walian fanatang santan diserbisahan, wasin sa di passang sant merupia 

Markan alla de la compansa de la Markan de la compansa de la compansa de la compansa de la compansa de la comp

Anna College of the c KASSIKTIMA DALIMATA KARA PIN, Tabeta harburu artif roverbasah, akan di etasah bata, aspet respecta, 1939 C. C. C. Servick (1936) Andrew (1936) Andrew (1936) Andrew (1936) Andrew (1936) Andrew (1936) Andrew (1936) But the Community of the Comm

Microstat decomposable and balances of surface, translating personned colors, subserved (, and Associated Albert of Entire December has believed a significant conduct and elseves a **This it direct their functions** and were a such marking.

**Constitution of the experience of the matter black of the constitution of the constit** 

The Borney reason with the

CTO IS Of the presentation of an easier, combined, another distances, and authoristics distance in Editors with easier combined combined in the combined and policy and distance in the contractions. n det gebeurg begrechten keinder weiten des gemann. Die songeweise ist geoche marking bed Georgemente der der der der der der der des gemanne. Die songeweise ist geoche marking schikert

i Ida Alteriure Friesge I

literaturiburi dei administra armirja, amadakidur veid isas, atresang, resully, castilisis Attorn Banks menthread reported become easy one. Will be duck members of eathresting besiding sseringer Produced and Anthony abouting attractional for peoples collection, allowing and 

Burner (Burner) per mente de dicinarie de la company d

237 Albertalu Leorgy II

The service of the service with the service and presented accretion of the contract of the service of the servi CONTRACTOR CONTROL CONTROL C. T. C. M.; with reside durable and apprications an active and MASSAULTARISTER, der zumzdielt bei berna überablichen unsch vertrichen.

Martes Lander of Decreate Ernings (LET 200). Phoenical electron par covinte 3. Physics collisis per application

### 

KER BAL Maragidas 14

- Annanalis i iksin skamunisan esatran arateragang. It inchateg heraken antar et gapea Miller and another the use sed care of seveles between the Linese minima (CC) per CC). The two trial principles of leveling are straighed in transcript and less targened. 

Proposition MA 182 or permission of inathwater. Heaven of closes per somet: 2. Heaves of 

Masaroo saturi arunda ah ortaa sitteen tilaen maan saaroona. Siturjerdis madan teensyynyteisissi 

### Collaborative Career Learning (COCAL)

CL 199 Professional Corner Preparation

1 #1 h

Structurate will be premerated units restained to provide a territor content to provide a territor content to the premeration of the provided as surphysees. Each of the content of the co

Protoclastic Environment in Collaboration Course Learning program. How of Collaboration

ger leetil.

CL 191-152 Codabprative Curves Learning L& U

Thems: courteen prevente is atrustianed approach for tracialized interespect to the constitution, technique, and development. Commentary process are almost first as recent for house for hearting. Longith approach and traciality sales and different or characteristics and college processing comments increased from and socialization of the statement with real and the factorist of the socialization of the social process of th

Procession Constitues in Collaborative Correc Learning program.

Companielle: Ste comme creatite of on — configue, anich metated in commer arrest. Manusch dass plan week: 12 at bourness & inclusive with

### Criminal Justice

() im Committeel

A correspond the hadrey and philosophy of criminal lies; the sergei, correspondent for an objective and checkforters of transfer criminal law; otherwise against the person property for the care and checkforters of the reduction hip because and checkforters of the reduction hip because and the production of the reduction is a constant of the reduction.

Plane of olema per mist: 4.

CJ 184 Criminal Law II

. 1.4.1

Correpreductation are dynamical that relies of an electric correct criticisms proceedings likely between the conference of a relieve that is a second conference of a relieve that the conference of a relieve that are a relieve

Processing CLDC Hears of class per week. I

CJ 105 Principles of Criminal Investigation

. .

Accommodation of the customs and printed of a reliablication of the landscapetion. Concretely: All Inches we concentrated of the entrangement of sufferness and suspenses and the landscapetion of sufferness and suspenses of the landscapetion of sufferness and suspenses of intermedial for the expenses and suspenses of the entrangement of the entr

C.J. 106 Introduction to Law Enforcement and Criminal Justice ..... 1 USA

A currency of the bistoreous send prisonerphical characteristics of last artiforcerously seed arradysis of the exact symbols; the corphial arches processe; Correlations (Seedable) placed appropriate cremanal pastics apoleon, eropeases green to the ordered by relationship the frame and function in the order of the or

Please efaktor per tenek. II.

### 1997, Problem Communicates (Resolutiones

Princes of the contract of the contract of the second of the contract of the c and a survey of the control of the c nnen skipulite, den kalindarist, se pristable plik elkertenkilition desil treur ellisete und Make the sale of t 

d. I. 1884. perferektionisch die die Bellingsberger.

Annal College of the mostle-decount planswith to the potential court equivary, policy sanga manakan di permenangan permenangan kanangan permenangan permenangan berangga pendalahan perkenangan pend an i kessenti kan ing baharan di kebuah di kebuah di kessentah di Kessentah Kessentah di kebuah kencesti keli harapkera (\* ) seedil va kostaniskulli, valsaluuri (\* ) kostanis pää skurrikis (kirkvikking ruitkkinkulli. 28 (\* 1855–1854), siiksingiksiä, kulkin joikka, minkkingisekkingi se siiktroli (kkirapiosi) (käinisti.

### ed libertinana

i de la companya de la co Andre the construction of and the statement of the statement of the second statement of the second sections of the second sections of the second sections and the second sections of the section section sections of the section section section sections of the section section section section se terri ken ekrati na i samuniya (das espekter) di siti padadas (da). 

### i (14 leitustusiikin tu Puiški, delimiksistratiis)

A studio of the theory, linear principles and provides at public activities in the Compaction to a residence, the considerative feel for the deconsposition, consideration, have been restabling til førtligtill, haldet skirt kiral erkerrigt i skrivter i skrive. 

I lit bureduction to Peace Organization, & Massagemans

and the state of t eriforeningali konerenias. A situade nel jestica serperirational atricipana, entapara situadora, umal nterferenten galagia, der var des er salat ett. Kom en met kom sellet i den ett ter ett ter ett ter ett sen et d () policie stretegenes (). Attobes all The Forestone () appecialized arists control pecilica Attobes () () and all goods or places of appeciations () particularly brightness, interval afform. nen interpretation in the contract of the cont . Calibrati, communical de extrematras des accumentatos mandeles el large embarcament anticidades de la cumatra estamatra estama de la formación de polício esparationes anal 

### 

The factor is the character of the largement of the member of the began entitlembar and inspects of the character of the char APPASE OF SEPHICE SEEF HEALTH DESCRIPTION OF SEPHINESS OF

CJ 115 Managrif Midigation iamil Emergency Monogenaut

Such.

This content representation that problems of the our Mitigarities and Error poorty Markeys trained from boths a bistorical and a bechnical parapacities. Sinchents can prostreat around correspond in the exception of the parapacities as used on prestreat, bechnical information which is usual by public necessary parameters involved in the uniteranted of harmonical basedone attraction. The course well expensive basedone entitles on the uniteranted of anticological and prestreat and according to attractions and the exception of attractions and the extensive problems. The course of attractions are attractions and the extensive problems are attractions of attractions and the extensive problems, and the extensive parameters are attractions, and attractions, and attractions and the extensive problems, period criminal and extensive parameters are attractions.

Marie of older per tener. I

CJ 121 Introduction to Corrections

Apparatosped Sambersing, Probation, Parials, Incomentation and Plan - Cara Samenas, for proposition and Philosophical amount of decrection, contrasting religions, paratorism, and treatment profitorings and be apparatored. Special amphiliables will be placed on correctional personnel and career abdition by:

Mauri of chain for united: 7.

### Electricity and Electronics

fil. 125 Electricite I

Fibri crearus in the flectured Technology, correction becoming the fortification of crearus in the flectured Technology, correction in the fibrility of crearus as applied to both INC und the Introductional circulate. The relative of cumulatures, indictional, and compactionate are starfed. Furthermortal circulat organization is discussively by the application of the tradit has the tradit the article of functional electrical circuits. Applicable observed instructional to be one of the laboration of the laboration of the compaction of the circuit perfolation is also between the second circuits.

Franciscopiestos: Phydrochesial adjustma, sucredirent to MA tell on MA 1607, filotos et diam. par hand. 177, filotos et diam. par handik. 1. Pleasus of medicalism par unissel. 1.

EL 126 Electricity ()

4 . . L . . L .

As exemplantation of R.L. D.E. substruction to transfer the particle of the PaC respectives of the expectation and development. The expectational principles and effectional characterists of the absolute and effect the expectation of the expectation and effect the expectation of the expectation and expectation of the expectation of these concepts to the expectation application of these concepts to the effect the expectation. The leftest transfer and entropy of the expectation of the e

France, and the St. 125 and other MA 161 or MA 153. Correspondent MA 145 or MA 148. History of class, per always: S. Filosofa of Neb per always: P. Filosofa of recitation for accept. I

EL 127 linearymentertarient

Students in this course will be introduced to a masse detained study of the feet insulations in used in all tadin of electronics. Specific errenance in placed on the Olither of the conflict or the Olither of the conflict of of th

Programment EL 1985, successment in EL 1986. Heaten of class (species als: 1. Finder all Miscorr counts: 2. 1984 Mikerierinia

The company of the confidence of the contract er ekkilitiku en 1840. Stevislik, igirine (il indiril) inelekkin, ekkilen, enertikoru, biligira, Allikoline, ililiferiliko ilililiko lirikolikoli, lijo 1865. bilitari, trimmantin bilan, amadonisi lange

Hersepteens (1) 2024 (1) 1227 Person of Open per Marie: A February list pur parele: 1.

#### en teleberen en ell

eselle displacements recognices, arekides forkerliks files i displacement in acceptance was enforced arealy no lefirer for finagulara ir ekomulai se antrocesiskas, sur uvel sai reportationii stūcina hopica seleja va Trocesiskatura, maakaga krel 2000 puocupikusa.

Production (1724) House of their personal of Process (195) personals 3.

#### l I III Birreti Meckinis

FF (1) is some crime with a material and age otherwist thouse termines and heating in call the first and some sections and some sections, as the first transfer and agreement with the first and age of the first and agreement and agreement and age of the first transfer and agreement and age of the first transfer and transfer a The control of the co

#### Til lineral Electrices

The first of the first transfer to the first transfer transfer to the first transfer transfer to the first transfer transf Malaudine assine das servis automateur bases and automateur base automateur base and automateur base and base der für til der in der en flack experitore eret etek begantere. Ärperektiget bedrickinges gre Der für der in Mickel von far eteke endergentiek destekt. Strong demphesie in inkrest en de l'égiste de la crimation de la company de la com La company de 
– Proministra (h. 1214). 24999 Shiroji italinadar, Abararaji detta per anerkozoji datarajaji Ekonolija

#### F. C. Lift, in this critical flux communities when flux because it

Afficially of the circulative of the theory and operation of semi-conductor devices. The content of the content inglidik. Mist plikteti 14.8 ferinda tenatut artifologi, barakka is irrebkeakeist arki repair ocentricus crente reregiaerre cuiclistru (kominen mintrina SCFT), plustanductrus stemmenu, timung stiruttis 150 Talegosti (controls for CSC medicera, areli serrimota kar AS medicera unci ligitaling) Material The according to Lincoln is expressed that there is become more in the facing and street (As a real place) and a first color of the second sector and the appropriate band (artist). 

. Nastaniandas (TX 22% filaira istobio issociasio, (T. 1834) og og og og og i

#### ili de l'interprise de la company de la comp

\* 4 . .

. Tita eranerik estek bilinde att i delaktenturriken i de rederrar estekapiar egarendean gerekitaret. De a i ika kali katin kati kapin din abahila sa a karimula atala sa kibasari makengnya apaka pertapak TO BY THE OFFICE OF STREET STANKS EXPERIENCES AND ACTION OF THE PROPERTY OF THE PROPERTY AND THE PROPERTY. Medical ADD 342 (ADD) for the first of the frequency of the form of the first of the form of the first of the Makar and teath a treat though such us a member teterbasi and a microprocessor 

Markatalatic (D. 132 de gridavidint. Flaura de cémia par deune: 3. Pécure of écé par deune:

### Food Service Administration\* \*\*

#### FS 121 Introduction to Food Service and Satisface

F Bah

An introduction in raceborn communical leads assumed by bringing arrestablishing marketing and arrestablishing marketing and recommendation of begin. The critical recommendation of the probability of proceedings and contributes the first probabilities and majoritorization of departments of the probabilities and majoritorization.

Pictura of citaes per seech. It

#### FS 122 Feart Properties I

1: 3 4 4

An introduction into the functionarial skills outsired for proper food interferent properties, and elements from the relationship between property properties and elements and the complete and t

Planta of clear per mesh. 2. Planta of leb par mark. 3.

#### FS 123 Feed Perchaning

# # H.

Tarcheriques for agradity fored punchasing for profit and energyroth advectors. Specifications and standards of quality, grades, matheds of purchase are unique standard for an each catagory of feed. A standy is ready of ready reflect producting and the punchasing of corresponding from the punchasing of corresponding from the punchasing of the punchasing of the punchasing from the punchasing of the punchasing from the punchasing of the punchasing of the punchasing from the punchasing from the punchasing of the punchasing from the punchasing from the punchasing from the punchasing of the punchasing from the punchasing fr

Presidential PE 171, PS 111. Preside at alknocker and all

#### FS 124 Fand Preparation III

#...# <u>...</u> li

The contract is the greet to errephenics the unequal requirements religied to producing a quantity front in a positions balance. Errephenic will be placed on south profiler as of the local production, menu making, sout mechanism, somitation, and astato as they are not qualentity fixed production.

Pre-increased F5 122 Higgs of chairs and county 2 Higgs at 1914 but unlike 3

#### FS 126 Chatara Theretev

. .

The comme develops a relationship between health resets and querialities, right. Emphasis in placed on relating apacific restritional augustionershi for a society of special distant. Teleplas

Presingulatis: FET 125, SC 176, or participates of traditioning. Figures of characters participally.

#### F5 19) Generally Fred Intermetic

This course is the practical application of skills hierrand in Fourt Services Clauses. If involves on an emphasis of skills of skills in their in the College's Fourt Service Labraries of skills in the services to college the students of real errors whereas a college to college the students of real students of real students of real students of real students.

Preventables FS 123, FS 132, FS 234, FS 135.

. Planers, of Circus, Circus bears decreased in 1842 of 1849 bearing on the sub-

Michel Micris engrerolerada rraya dan distributant Aris debarrasilika mengulah mengulah sebagai kebagai kalanda Bandarasilan

#### PS 224 Bleszitalite Maranersent

:: :: .. la

This operate is designed to emphasize the unique requirements of height by consequents of height by consequents and has brathe and become purp procedures and lines. There is Height become and lines, "From all Height become and the constant of the consequent and the constant of the constant of the constant of the consequent of the cons

Principalitie: FS 131, FS 125 recommended. History of class pair posts: 3

<sup>\*</sup>Courses resu meet at other other than make compas. Shakenta teafor older transportation arrangements.

<sup>\*\*\*</sup>Studendo requisa apecial dicthing and equipment, in addition to been brings

FS 225 Feed and Beverage Cost Costral

F Bah

The Control of the Constraint of the Control of the

FS. 699 Frenchettweistelle eil Klaikerry word Parlery.

3 . .

Exitty for consendable approximation radiors tensorial colors, published format postary, and track the sent.

PRE CONTRACTOR FOR LIGHT, con pour results and brouding their Paleography Calenda pour monock. A fibogana A telegraphy mixels. I

FS 217 Projet Service Companies that and Ministration

a mah

Course the block to gree four merches replied the funite unduration in processing to feature of the commence of memory being and the photost on budgetony matrices ment, with the course of the structure matrices and the photost on budgetony matrices ment.

FS 228 Eucht Services

**5** 1 . . . . .

College 1977 (1976) and a total k department of honor of open all permitted examines belong in page.

Service Activities received. Sharkeska well receive in the adoption in activity asserts permittings.

The test of the control ky let the example to open about the plantment straight the make the control of the control o

Property and the 121, 125, PS 121-125, Please to be congress.

### Graphic Arts\* \*\*

MID III Empreserre Ciraçulara

F Bala.

The contributer of Albert (Albert Month of Nathones), was relichmesting tripling products including this District of the Extension of Second of Albert Contributed by the Contributer of the Contributed by 
Mitara ik ibitui pur timuk: 2. Phatis of lah pur muck: 2.

PID 176 Ebretricui Ciraphics

F Balle.

1776 to be read a complete courtes in consumeral with basis; chapting techniques with the burners of relientation or error. The commonwell introduces the basis of orthogonytic and selection of the commonwell introduces the basis of orthogonytic and selection of the electronic orthogonytic and selection of the electronic orthogonytic dispersion and basis the electronic of finished to the electronic of the electronic of the electronic orthogonytic dispersion and the electronic of the electronic orthogonytic or hogonytic orthogonytic or electronic orthogonytic orthogonytic orthogonytic orthogonytic or electronic orthogonytic orthog

Allegis of these each masks to blace of the pay have 2.

MIN 190 Seemstweensid Demokra

i Jak

Interpolit Mirrill

Miller Control of the 
. M. Delak 1968, 1768-1768-1761 selben rittem strom madri karreguin. Strodordin maden Sromuspeartatiem. Tarridogurrantse GiA 101 Ciruphic Arts l

batrodisection west arisestations to graphic outs, to bachade that history of printing, basic pained plan and applications of called printing, except proposation, photography, stripping. region, chiefe excellency, tensioney, breightney processioner, and this reported in a subversion types of presents.

Pleases of chain per more. 2. Henry of his per ments 3.

Cich pret Circopinic chris II

Arthumourel biordicking comet approbabilitiers, in emper presponsibility, commerce blocks, exhibition ining plates presidency, person morelicared featules y communicares. As harres bordet ball as franciscos is the extension of pupier and link. Markemusescul supilimber le errorisense.

Free requests: (3.8) 2501. Pleased of all the per mount: 2. Heaves of subspect and st. A

C.A. Libi Tegoveringilia

l'igrection ed types, type dekinetification, podine musi, denlippoliceologicambiere. Copeatitus, paperbundurg, type companiture constitues and let made assert, ecopiet anth procession pppilanteru.

Prorreguendo: (C.A.) (Of the Executions of the Ward Processing Confidences granders. Places of gunna year wande: S. Elevera ed Arb part week 2.

GA 105 Graphic Arts Layout and Printing Design

Platenten and design procession meet ninthe summeration of adjunctions regarded reguryska. Dien Elies is Varienas seschiente, matemiala, von geglepersons it verschien ber der Deut ferlang der i gefontenge. Eduar die gebreiten werden, ein produkt beinen werd, beiter gefonerren die

Plentry of chair pay transfer 2. Pharmary habiten and his

GA 196 Graphic Acts Production

Ling of laboratory aggregations, and techniques, retried to proclession decitations in centralical qualiforment in softens brown of search constant about

Propagations: Get 101-103. Hours of clause per south, 2. Hears of hit generalises 2

Call hill? Presidentificies Mariatherestric

December of efficient aschiels from Lagrant to Transland perublic. Stock of secret ner bestellten, fresten inden, gærskert bell ikret skrivkertenent, mid ikkel gespensel tennskiperrættt till tædeks. Pramapanalu: GA 101. Hours of olden part oasek. 2. Hours of lab part needs 2

### Leather Technology

LT 160-163 Imerecke: Been by Lauther Trechnelies, L.H.

Am introductions course deligned to ecquation free etablish quith the bases of the Landliner freiberdry wed march of the gurenrid principles emerdesel in the freezekathetitis. Of boother brone man site in he doublind process. The important section musicialities perty, design, one consumed. Compresses to our the long count technical had present which could be lingsther will taken übermigh in valli fiz generhicas is piredistavirarend (Kedirchter die einstructurally) acting the file procedure the of the proposition of the proposition of the content of the conten projetante unel con cur contrattor a mencille albor. I ha receira not troccola necessal la bi bree to kacal marratacheries bisatis.

Phalin of close per terms: #,

LT Jihi Lucather Interindsko This common generalistic of peachinal inpublications of medicalizations from the distriction. chargen. An errorgiel primitale of each curement in organization from the charge is requested.

Progresspanishes: J. F. 1921 cored L. F. 2021. Fibratics of colorogram about K. 10-127.15-20 became an Abo jedi par music per I cerekte.

#### i I 221 Pracijes ditember Technology Protestad

**A liver surrent skinderg skill, kraliser mermiliet stems**g, togeta lindade o atsativ of kraliser, entropies, and freeze used ables, and a few read proposed a restaud to proceeding. Freeze at 

#### I 1921 Leathan Inserite and Calaragi

A Millia Led traither and coloring processals. Topics he had weartable bearing, strome **Ball arlitak manastan termina, mekini rayitmir, kali akkitayli taniyaye,** silan and their gertes, thereign of dign the thorat color desagnition traditions and resourcement, and . Presidente i d'100, d'1000 fiches identes per monte d'

#### I de la comica de la comicia d

Progression de la company Stirkt 18. Op Bugg, by the Mild by the fourth of a subtitue a and monormos, sent me these of and the second of the second o

Description of AM, AT (18), correspondently or permission of hubble-box. Or other decrees perturbed to blowner of lab pay weaks: 2

#### li 195 l'espèce destinate de l'experie

"A Construction than area year and treation proceeding. Togethe include physical properties of Ethics of a least conteres, the of the explains the personal and personal acceptance as wear attains, terrorry Personal fields, and other material engineers whom, academic screenisalism, barriery will be a state of the control of the con

Proposition (17 10), 17 105, or objections, or permission of tradrischer. Historical personals of Proposition per people?

#### l din liverace. Pieresce este

# & h

**Auftrigrafie istories augus errents af musikalis, komeny represtorie. Comengerom a** erritreation deuter de centrale de l'entre de rouge troublemais. Et conceile dices de libre ferrebent producti Alle Chicael Liverine forther we be coursel.

Bengangan (1777) Hansan ang kasamatan d

### 

#### 

The Construction, surprise that operation of lather, chill present, seeing and militar ers for exceeding an experiencing executions the theory of a pitting project, they and cution Also form to the autoexist burn, and considering biologists a set only used of herein and autoexis thing traces are now converte, each as and the resembled mediana about practical used in Control (fall berick), a septem allation. The Control (septem pulse pulse) is a favoric of the pulse control. 2.

### Natural Resources Conservation\*

NIK 121 Fisheries and Whitele Viscourages) I

F 2 .h.

Million and the contract of th **Efficientifica of white invelopment in a contemporary contest, but with authorist** Apartel (1995) a Profit first and a progress of class, topical Africa Abstroach the planta and animala Millige parties for Conservat, Instruct States, with reserved to other macroscomment and admitable educe.

fficker en skip sen i god. Zi fficen et bet een inoek it

TKI kirkeni didagi plajet ar ukens istleri dhari produ sarripadi. Sharbinda mador kuardiyeziladari delative dans. Weakerd field into may be required

Stikkerite receptive epocesul clashing or ealerly regularment, in acid box is boxto. Inatractor 

148 122 Ficherien auch Wildlich Margagerreert II

a la

Utilization and an understanding of both the theoretical and operational agencies of the united bechniques used in the management of both tisheries and wildlife. Topical areas will include population estimation, analysis and management of colors agins water and keet for both disheries, and wildlife, wildlife collection techniques, associate management techniques, teleprotes.

Premiarabiles: MR 121. Hours of those the mark: 3. Hours of his pay mark: 3.

NR 126 Principles of Scale send Water

A vitally of the principles of experim control, norther decirage and subsequently a deciral particle of a region of control of the control of

Hours of class per week. I. Hours of integer week. 2

PS 223 Forest Management I

f t.

The practices and principles involved in marriaging secretions is timber, recreation, within, and soil conservation values, includes appears therefore the disconsistent and characteristics, tree development and growth, conting practices, transmising and marketing, referentiate, planting marketing, referentiate, planting marketing,

Province that is 1987, Phillips of About that to both. It Philars of Lab your countries

INK KIN Formul Matthewerel II

4 1.1

Maker topics will include free physicalogy, maker formal products, manuary techniques, planting, meintosarder of individual frees—organization and Christings these, insent profession—fire, tracets and discusse, format influences upon the arrotronomet, betweeting techniques born the standing tree to the mill. Project ten and madematical related forces will be supplicated.

Proposition AC 221, hours of chain our manch: It Figure of the per manch: 3.

NR 231 Practical Stills in Conservation and Chathaur Recreation 4 s.

This is a basic breef peachted shifts occurs in which stackers will acque an incheshold of spring projects will involve action by the instructure. Projects will involve action being expensive and two sides of the involve action in the second configuration of intruductory addition available respectively. Action in Natural Residences, Where peaksible the amademic shall worse sufficient and Correctwatton against and action field against their

Figure of close per week. 2. Filosocial lab per week. 784.

MR 232 Besic Research in Conservation and Cutdose Recreation 4 s.h

In this remarch services statement will work with the manuactor or an hearting a popular of newspared. The topic will be subsamed to give the abackant antrong introduction to rewised and techniques of numeric. The stackant will purpose a line of field success along with stocking subject related for the choice and linear turn. The shackant will decrease a structure will properly as the ties and will properly a characters.

Provensymbolities: 1997-2011, for experiment expert poerrealisation of historialities. Photories of release their models: TRM, Photories of historialisation company. TRM,

NR 23 Advanced Research in Consurrenties and Recessition

The student electing to take the occurse will makered for appeared a cheladed plan on researching a topic in flatural Researche planets granted for appeared. Open being granted participated for purious this topic, the student will second being entered fight within an appearing the participation of the student will antered both a correspondent presearch paper and the appearing of the field studies for purious by the search participate.

Provensialists MR 227 word permeasure of materials.

House of chescoes makes 7849, Pharm of his participals 784

### Minding

Mi. 195 Marahay Kristacy I

en all familiari de començos, esclar april persenciares (cornecto) es bucining como esfadi nadistrik, inganik ide ort kope, einerlikty, or keraltkur. Empliatas in pakeest uperi negjalitig a AND AND THE PROPERTY OF THE PR The first state of the partners of the problem of the partners ta en Marco, brei arrengel biskeland guttent garn och prometrit at Mantspaniery and Fullier 

t i green), Culti. Estre punteur of, eur constanteur recultirection de 14,181. Fécussé est estans pays unappe de la cura est une gant popular, q

NA NE Veriensenen

All the second sections are the communications of source of generates described to assure some en and de la company de la The first of Definition and the first, when troubled and to be former challengers, the course of the

A Programme SAC Tries, and positioners of the relevant filter themselving (excitational). There is a likely tries of the contraction of the contraction of expendential or the EU IAT count SS 1997.

Alliant Kuszak Szerce III

Company of the Compan en de la fille La fille de la To a fine the first content of the c

establi di en la completa del final de la completa 
NO 7115 Norsesy Science (k

. Distriction of the control of the control of the control of the control of the particular control of the cont and the state of t 

175 replanting 1847-175. Phase and colour pair consider Lecture A. Secretary J. Technic. Phases.

. A Singensell (1934), present lat hallow subteen these measure annuels. Strockerns treaken brokingsestations of the partners in the second buildings may be required. . The following of the second of chatheren in person equal tracel, in seculition to brace, instructing

# **Textile Technology**

TT 101-102 Introduction to Textile

F-S 3 s.h. each semester

Technology I, II

An introductory course designed to acquaint the student with the history of the Textile Industry and some of the general principles involved in the manufacture of textiles from raw stock to finished goods. Emphasis is on the important factors that govern which course a fiber will take through a mill to produce a predetermined desirable or aesthetically acceptable product and the physical and chemical changes that occur, depending on the product's end use or customer's specification. Part II will cover characteristics and manufacture of natural and manmade fibers, yarns and fabrics, spinning, knitting and weaving; fiber, yarn, and fabric production—including processes, equipment, and technologies involved. Part II will cover dyeing (coloring) of various fibers, yarns, and fabrics discussed in Part I. Natural and synthetic dyes, basic dyeing mechanisms, dye selection, classification and chemistry of dyes and various methods of dyeing, processes, and equipment will be introduced. The courses will include several field trips to local manufacturing plants.

Hours of class per week: 3.

3/6 s.h

TT 130 Textile Internship

This course consists of practical application of skills learned in textile technology classes. An arranged schedule of work experience in area industry is required.

Prerequisites: TT 202, TT 204. Hours of class per week: 10-12/15-20 hours on the job per week per 3 credits.

3 s.h

TT 201 Advanced Textile Technology I

This course covers the various ASTM and AATCC test methods used in quality control; use of computers in textile dyeing automation and color matching; environmental considerations and regulations; energy and economics; mill management and supervision.

Hours of class per week: 3.

A K.h.

This is a superficient of the forest of the superficient o

Partin Albarta (TV 1916, TX 1918, FEB. 1916, 1917, 1918), 3

Continuent later transport to an experience of the continuent of the continuent later of the continuen

The state of the s

	INDEX	l-i.c.
		69 63 44 69 83
		198 188 11
		13 JR 48 190
n for Vision		3 3 3 3 4 4 1 7 1
rene (d. 1946) Programi		
Haranday		

Capitarinis Estimatical	***	
Course and Correction Charges		
Course [hearthtens		
Course Load		
Carbo Munegerrant		
Criwinal dualics		
Day Care Cerner		
Data Problekte		
Departa Lint.		
Forty Admississis		
Taragraphia		
Fallscatters		
Hanestinand Hencurren		
Enkendlered Charetraffy Programs Edwartered Compariso Confer		
Excenses		
Frygreenry School .		
Producti Espariorareantal Blackth		
Free reservantal Carlenck and		
Total Communication (Communication Communication Communica		
Finally		
lines		
Financia Ald		
Pariricalitativ		
Fig. Sep. sp. Arbrensteatum		
Premargin Liberg (1994)		
Legard Tactorology Full Time Markey helden		
ration Montgeorges Affletts Associations		
CSurektini Selective		
Conveyed here the Crandent		
Pin Life Tubur ndenser Bliefren		
physical College Marchanyors Contracted College		
Historianheisterge Connectify titles		
190		

	1969 444 1449
	ion Les Les
	iii .Wi
en (la complète de la completa de l La completa de la completa del completa de la completa de la completa del completa de la completa del la completa del la completa de  la completa	
rente de fraction de marte	
The Court Courters of the Courters of the Courter o	

Parking		
Peer Tener Matericulation Peer Tutoring Servician Peer Tutoring Servician Physical Education Physical Pre-Philod Consontration Pre-Philod Consontration Pre-Philod Consontration Pre-Physical Physical P		
Councility Found Fundaments 155  Refund Policy 155 Regulations 157 Regulations	Figure Transcript  Free Free Transcript	
Refured Publicy Regulations Respondence Re		
Respitations Translant Recipirements  Translant Recipirement  Translant	Quantity Food Production	
Scherten Labrenten Technology	Reculationer.	
Schedurial Scheman  Securitation Scheman  Securitation  Se		
Student Recepts  Student Recepts  Student Recepts  Student Birdent  Student Urban  Streening  Streening  Translat  Transl	Secretarial Scheme Secretarial Scheme Secretarial Scheme Secretaria Secretaria Secretaria Secretaria Secretaria Secretaria	
Student Linker	Student Government Absolutions account of the continuous	
Statement Schriebens  Samener Schriebens  Same	Student Services	
Texture Texture to the control of th	Surrenur Seriebrus	
Trustalen Arbritainisti	Theodog	
	Transler Arbreselett	

datatata+01841d-16114+16114+161-16114+161-16114+161-16114+161-16114+161-16114+161-16114+161-16114+161-16114+161-16114+161-16114+161-16114+161-16114+161-16114+161-16114+161-16114+161-16114+16114+161-16114+16114+161-16114+16114+161-16114-16114+16114+161-16114+16114+161-16114+16114+161-16114+161-16114+161-16114+161-16114+161-16114+161-16	
***************************************	
44.646.4.646.674.46.4.6.4.6.4.6.4.6.4.6.	g
***************************************	
***************************************	
	. ,
**** !*#*** <u>***************************</u>	
14-18-18-18-18-18-18-18-18-18-18-18-18-18-	
<b>13.44.15.15.14.14.14.14.14.14.14.14.14.14.14.14.14.</b>	
**************************************	
***************************************	
141411111111111111111111111111111111111	
##X###################################	
4464994-18684499-186-19-446-19-446-19-46-19	,