

ROCKINGHAM COMMUNITY COLLEGE

1973 - 75

CATALOG

SUPPLEMENT

THIS CATALOG SUPPLEMENT INCLUDES CALENDAR, PROGRAM AND COURSE
ADDITIONS, CHANGES AND DELETIONS IMPLEMENTED AT ROCKINGHAM
COMMUNITY COLLEGE SINCE THE PUBLICATION OF THE 1973-75 EDITION.

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ROCKINGHAM COMMUNITY COLLEGE
 OFFICIAL
 1974 - 75
 COLLEGE CALENDAR

FALL QUARTER

TUESDAY, SEPTEMBER 3	FACULTY AND STUDENT ORIENTATION
WEDNESDAY AND THURSDAY SEPTEMBER 4 AND 5	REGISTRATION
FRIDAY, SEPTEMBER 6	PREPARATION DAY
MONDAY, SEPTEMBER 9	CLASSES BEGIN
THURSDAY, SEPTEMBER 12	LAST DAY FOR ADDING CLASSES
FRIDAY, NOVEMBER 8	LAST DAY FOR DROPPING CLASSES (SEE PARA. C, PAGE 31 IN CATALOG)
FRIDAY, NOVEMBER 15	CLASSES END
MONDAY, TUESDAY, WEDNESDAY NOVEMBER 18, 19, 20	EXAMINATION PERIOD
THURSDAY, NOVEMBER 21	GRADES DUE (STUDENT VACATION)
FRIDAY, NOVEMBER 22	(STUDENT VACATION)

WINTER QUARTER

MONDAY AND TUESDAY NOVEMBER 25 AND 26	REGISTRATION
WEDNESDAY, NOVEMBER 27	PREPARATION DAY
THURSDAY AND FRIDAY NOVEMBER 28 AND 29	THANKSGIVING HOLIDAYS
MONDAY, DECEMBER 2	CLASSES BEGIN
THURSDAY, DECEMBER 5	LAST DAY FOR ADDING CLASSES
THURSDAY, DECEMBER 19 THROUGH WEDNESDAY, JANUARY 1	CHRISTMAS VACATION (STUDENTS)
MONDAY, TUESDAY, WEDNESDAY DECEMBER 23, 24, 25	CHRISTMAS HOLIDAYS

WINTER QUARTER (CONTINUED)

FRIDAY, FEBRUARY 14	LAST DAY FOR DROPPING CLASSES (SEE PARA C, PAGE 31 IN CATALOG)
FRIDAY, FEBRUARY 21	CLASSES END
MONDAY, TUESDAY, WEDNESDAY FEBRUARY 24, 25, 26	EXAMINATION PERIOD
THURSDAY, FEBRUARY 27	GRADES DUE (STUDENT VACATION)
FRIDAY AND MONDAY FEBRUARY 28, MARCH 3	STUDENT VACATION

*SPRING QUARTER

TUESDAY, MARCH 4	REGISTRATION
WEDNESDAY, MARCH 5	PREPARATION DAY
THURSDAY, MARCH 6	CLASSES BEGIN
TUESDAY, MARCH 11	LAST DAY FOR ADDING CLASSES
FRIDAY, MONDAY MARCH 28, 31	EASTER VACATION (STUDENTS)
FRIDAY, MAY 9	LAST DAY FOR DROPPING CLASSES (SEE PARA C, PAGE 31 IN CATALOG)
FRIDAY, MAY 16	CLASSES END
MONDAY, TUESDAY, WEDNESDAY MAY 19, 20, 21	EXAMINATION PERIOD
THURSDAY, MAY 22	GRADES DUE (STUDENT VACATION)
FRIDAY, MAY 23	(STUDENT VACATION)
SUNDAY, MAY 25	GRADUATION
MONDAY, MAY 26 THROUGH FRIDAY, JUNE 6	STUDENT VACATION

SUMMER QUARTER

MONDAY, JUNE 9	REGISTRATION (ALL SESSIONS)
TUESDAY, JUNE 10	PREPARATION DAY
WEDNESDAY, JUNE 11	CLASSES BEGIN (TEN-WEEK, FIRST FIVE-WEEK, FIRST THREE-WEEK SESSIONS)

SUMMER QUARTER (CONTINUED)

MONDAY, JUNE 16	LAST DAY FOR ADDING CLASSES (TEN-WEEK SESSION)
MONDAY, JUNE 30	LAST DAY FOR DROPPING CLASSES IN FIRST THREE-WEEK SESSION (SEE PARA C, PAGE 31 IN CATALOG)
WEDNESDAY, JULY 2	FIRST THREE-WEEK SESSION ENDS
MONDAY, JULY 7	SECOND THREE-WEEK SESSION BEGINS
FRIDAY, JULY 11	LAST DAY FOR DROPPING CLASSES IN FIRST FIVE-WEEK SESSION (SEE PARA C, PAGE 31 IN CATALOG)
WEDNESDAY, JULY 16	FIRST FIVE-WEEK SESSION ENDS
THURSDAY, JULY 17	SECOND FIVE-WEEK SESSION BEGINS
THURSDAY, JULY 24	LAST DAY FOR DROPPING CLASSES IN SECOND THREE-WEEK SESSION (SEE PARA C, PAGE 31 IN CATALOG)
MONDAY, JULY 28	SECOND THREE-WEEK SESSION ENDS
WEDNESDAY, JULY 30	THIRD THREE-WEEK SESSION BEGINS
WEDNESDAY, AUGUST 13	LAST DAY FOR DROPPING CLASSES FOR TEN-WEEK SESSION (SEE PARA C, PAGE 31 IN CATALOG)
FRIDAY, AUGUST 15	LAST DAY FOR DROPPING CLASSES IN SECOND FIVE-WEEK AND THIRD THREE-WEEK SESSIONS (SEE PARA C, PAGE 31 IN CATALOG)
WEDNESDAY, AUGUST 20	CLASSES END
THURSDAY, AUGUST 21	GRADES DUE (STUDENT VACATION)
SUNDAY, AUGUST 24	GRADUATION

A. PROGRAMS - Vocational Education (One-Year Occupational)

1. CHILD CARE WORKER

The child care worker assists professional personnel in implementing a planned program of activities. This requires understanding of a wide variety of activities: how to prepare materials, how to assist children to participate and how to care for materials at the completion of an activity. The worker must be able to perform these functions and carry out routine procedures while continuously observing the children and relating to each according to his needs.

Graduates of this basic course may find employment in day care centers, nursery schools, kindergartens, child development centers, hospitals, institutions, camps and recreation centers.

ONE YEAR PROGRAM**			
Course Title ^o	Lec. Hrs.	Lab Hrs.	Cr. Hrs.
<u>FALL QUARTER</u>			
EDU 1001 The Nature and Scope of Day Care for Young Children.....	3	0	3
EDU 1002 Health and Safety of Young Children.....	3	0	3
EDU 1003 Creative Activities for Young Children.....	3	3*	4
EDU 1005 Working With the Young Child.....	3	6*	5
EDU 1006 Communicating Effectively With the Young Child.....	3	0	3
	<u>15</u>	<u>9</u>	<u>18</u>
<u>WINTER QUARTER</u>			
EDU 1007 Music in the Early Childhood Program.....	3	3*	4
EDU 1008 Science in the Early Childhood Program.....	3	3*	4
EDU 1009 Art in the Early Childhood Program.....	3	3*	4
EDU 1010 Special Problems in Early Childhood Programs...	3	0	3
EDU 1011 Conceptual and Language Development.....	3	0	3
	<u>15</u>	<u>9</u>	<u>18</u>
<u>SPRING QUARTER</u>			
EDU 1012 Literature in the Early Childhood Program.....	3	0	3
EDU 1013 Parent Education.....	3	0	3
EDU 1014 Administration and Supervision in a Pre-school Facility.....	3	0	3
EDU 1015 Group Care of Infants.....	3	0	3
EDU 1016 Field Experiences in Child Care Facilities.....	0	6*	2
	<u>12</u>	<u>6</u>	<u>14</u>

* All lab work will be arranged in Day Care Centers. Lab work will be directed by the class instructors in cooperation with the director of the center.

** Resources do not permit the offering of this curriculum on a full-time basis this year. See next page for part-time night offerings which will be available.

^o Full titles of courses can be found in the Course Description section of this supplement.

CHILD CARE WORKER

PART-TIME NIGHT PROGRAM			
Course Title ^o	Lec. Hrs.	Lab Hrs.	Cr. Hrs.
<u>FALL QUARTER</u>			
EDU 1001 The Nature and Scope of Day Care for Young Children.....	3	0	3
EDU 1002 Health and Safety of Young Children.....	3	0	3
EDU 1003 Creative Activities for Young Children.....	3	3*	4
	9	3	10
<u>WINTER QUARTER</u>			
EDU 1005 Working With the Young Child.....	3	6*	5
EDU 1006 Communicating Effectively With the Young Child.....	3	0	3
EDU 1007 Music in the Early Childhood Program.....	3	3*	4
	9	9	12
<u>SPRING QUARTER</u>			
EDU 1008 Science in the Early Childhood Program.....	3	3*	4
EDU 1009 Art in the Early Childhood Program.....	3	3*	4
EDU 1010 Special Problems in Early Childhood Programs....	3	0	3
	9	6	11
<u>SUMMER QUARTER</u>			
EDU 1011 Conceptual and Language Development.....	3	0	3
EDU 1012 Literature in the Early Childhood Program.....	3	0	3
EDU 1013 Parent Education.....	3	0	3
	9	0	9
<u>FALL QUARTER</u>			
EDU 1014 Administration and Supervision in a Pre-school Facility.....	3	0	3
EDU 1015 Group Care of Infants.....	3	0	3
EDU 1016 Field Experiences in Child Care Facilities.....	0	6*	2
	6	6	8
* All lab work will be arranged in Day Care Centers. Lab work will be directed by the class instructor in cooperation with the director of the center.			
^o Full titles of courses can be found in the Course Description section of this supplement.			

2. ELECTRICAL INSTALLATION AND MAINTENANCE

The rapid expansion of the national economy and the increasing development of new electrical products are providing a growing need for qualified people to install and maintain electrical equipment. The graduate of the electrical trades program will be qualified to enter an electrical trade as an on-the-job trainee or apprentice, where he will assist in the planning, layout, installation, check out, and maintenance of systems in residential, commercial, and industrial plants. Also, he will have a basic knowledge of motors and motor control systems; industrial electronic control systems; business procedures, organization, business practices and communicative skills. The program will provide the necessary background in order for the student to advance himself through on-the-job experience and on-the-job training as well as by taking additional courses offered by the college.

One Year Program (Full-time Day Curriculum)			
Course Title ^o	Lec. Hrs.	Lab Hrs.	Cr. Hrs.
<u>FALL QUARTER</u>			
ELC 1801 Direct and Alternating Electricity.....	4	12	10
MAT 1824 Electrician's Math.....	8	00	08
DFT 1110 Blueprint Reading: Building Trades.....	1	02	02
SSD 100 Study Skills Development.....	1	00	01
PSY 1101 Human Relations.....	3	00	03
	17	14	24
<u>WINTER QUARTER</u>			
ELC 1821 Electrical Wiring.....	4	12	10
DFT 1813 Electrical Blueprint Reading.....	2	06	04
ISA 101 Industrial Safety.....	1	00	01
ENG 1102 Communications Skills.....	3	01	03
DFT 1823 Electrical Control Circuits: Blueprint Reading.....	1	02	02
	11	21	20
<u>SPRING QUARTER</u>			
ELC 1841 Electrical Machines I.....	4	12	10
ELC 1851 Electrical Controls I.....	2	06	04
ELC 1881 Electronic Devices in Electrical Controls I.....	4	04	06
	10	22	20
<u>SUMMER QUARTER</u>			
ELC 1842 Electrical Machines II.....	2	06	04
ELC 1852 Electrical Controls II.....	4	12	10
ELC 1882 Electronic Devices in Electrical Controls II.....	4	04	06
	10	22	20
TOTAL QUARTER HOURS CREDIT 84			

* The full-time schedule will not be offered in the 1974-75 school year.

^o Full titles of courses can be found in the Course Description section of this supplement.

ELECTRICAL INSTALLATION AND MAINTENANCE

(PART-TIME NIGHT CURRICULUM)

First Year				Second Year			
Course Title °	Lec. Hrs.	Lab Hrs.	Cr. Hrs.	Course Title °	Lec. Hrs.	Lab Hrs.	Cr. Hrs.
<u>FALL QUARTER</u>				<u>FALL QUARTER</u>			
ELC 1801A Dir & Alt Elec'y	2	6	5	ELC 1841 Elec'l Mach I	2	6	5
MAT 1824A Electrician's Math	4	0	4	ELC 1851A Elec'l Cntrls I	1	3	2
SSD 100 Study Skills Dev	1	0	1	ELC 1881A Elec'nc Dev in Elec			
PSY 1101 Human Relations	3	0	3	Cntrls I	2	2	3
	<u>10</u>	<u>6</u>	<u>13</u>		<u>5</u>	<u>11</u>	<u>10</u>
<u>WINTER QUARTER</u>				<u>WINTER QUARTER</u>			
ELC 1801B Dir & Alt Elec'y	2	6	5	ELC 1841B Elec'l Mach I	2	6	5
MAT 1824B Electrician's Math	4	0	4	ELC 1851B Elec'l Cntrls I	1	3	2
DFT 1110 Blprt Rdng:				ELC 1881B Elec'nc Dev in Elec			
Bldg. Trades	1	2	2	Cntrls I	2	2	3
ISA 101 Ind Safety	1	0	1		<u>5</u>	<u>11</u>	<u>10</u>
	<u>8</u>	<u>8</u>	<u>12</u>				
<u>SPRING QUARTER</u>				<u>SPRING QUARTER</u>			
ELC 1821A Elec'l Wiring	2	6	5	ELC 1842A Elec'l Mach II	1	3	2
DFT 1813A Elec'l Blprt Rdng	1	3	2	ELC 1852A Elec'l Controls II	2	6	5
ENG 1102 Com Skills	3	1	3	ELC 1882A Elec Dev/Elec Cntls II	2	2	3
	<u>6</u>	<u>10</u>	<u>10</u>		<u>5</u>	<u>11</u>	<u>10</u>
<u>SUMMER QUARTER</u>				<u>SUMMER QUARTER</u>			
ELC 1821B Elec'l Wiring	2	6	5	ELC 1842B Elec'l Mach II	1	3	2
DFT 1813B Elec'l Blprt Rdng	1	3	2	ELC 1852B Elec'l Cntrls II	2	6	5
DFT 1823 Elec'l Cntrl Cir:				ELC 1882B Elec'nc Dev in			
Blprt Rdng	1	2	2	Elec Cntrls II	2	2	3
	<u>4</u>	<u>11</u>	<u>9</u>		<u>5</u>	<u>11</u>	<u>10</u>
QUARTER HOURS CREDIT 44				QUARTER HOURS CREDIT 40			

° Full titles of courses can be found in the Course Description section of this supplement.

I. ADDITIONS

B. COURSES - Descriptions

ART 232A Studio Painting IIA 0-3-1 F, W, S, Upon Request

Art 232A (Part One of Art 232) and Art 232B (Part Two of Art 232) are the equivalent of Art 232 when taken on a part-time basis.

ART 232B Studio Painting IIB 0-3-2 F, W, S, Upon Request

Art 232A (Part One of Art 232) and Art 232B (Part Two of Art 232) are the equivalent of Art 232 when taken on a part-time basis.

ART 233A Studio Painting IIIA(Watercolor) 0-3-1 F, W, S, Upon Request

Art 233A (Part One of Art 233) and Art 233B (Part Two of Art 233) are the equivalent of Art 233 when taken on a part-time basis.

ART 233B Studio Painting IIIB(Watercolor) 0-3-2 F, W, S, Upon Request

Art 233A (Part One of Art 233) and Art 233B (Part Two of Art 233) are the equivalent of Art 233 when taken on a part-time basis.

BIO 107 Human Anatomy and Physiology III 2-0-2 S

A study of the structure and functions of the human body. A continuation of Bio 105-106. Prerequisite: Bio 106.

BIO 120 Field Natural History 2-2-3 S

An outdoor-oriented course dealing with nature in Rockingham County and other parts of N. C. through the treatment of topics such as the following: trees, geology, wildflowers, birds, wild foods, astronomy, nature photography, pond life, and natural succession. Prerequisites: None.

BUS 282 Management Awareness Program 3-0-3 F, W, S, SS, Upon Request

An intensive course in human relations. Video tapes and role playing techniques are used to assist students in experiencing the points of view, feelings, and perceptions of other people. Students will be made aware of the impact of their behavior on others and given insights into the behavior of others who are disadvantaged by such factors as poverty, lack of education, and racial discrimination.

CSI 101 Data Processing Concepts I 2-0-2 F

A comprehensive study of the history of data processing with particular emphasis upon recent developments in modern computer systems. Computer uses, stored program concepts, hardware, software and operational aspects of computers will be considered from the "systems" approach. Another objective will be an understanding of data processing terminology.

CSI 102 Data Processing Concepts II 1-2-2 W

A continuation of the fundamentals begun in CSI 101. Further study of data processing concepts with emphasis upon the basic data processing operations of recording, classifying, sorting, calculating, summarizing and reporting. A detailed study of number systems and data representation is also included. Prerequisite: CSI 101.

B. Courses - Descriptions (Continued)

CSI 104 Introduction to Programming 1-2-2 F

An initial study of the logic of computer programming. Flow charting and programming in a problem-oriented compiler language will introduce the student to the utilization of the computer as a tool in modern society. Co-requisite: CSI 101.

CSI 105 Assembler Programming 3-4-5 W

A detailed study of computer structure, internal data representation and symbolic programming. Emphasis is placed on instructions and instruction formats in the assembler language. An introduction to Macros, addressing techniques and job control is included. Prerequisite: CSI 104.

CSI 106 Business Programming I 3-4-5 S

A study of the structure of the COBOL language, its commands and their use. Input, output, arithmetic, data movement and transfer of control commands are applied to the solution of typical business problems. Prerequisite: CSI 104.

CSI 107 Business Programming II 2-4-4 SS

A continuation of CSI 106 with the emphasis on more advanced techniques in COBOL. Data types, options, and the Sort feature will be studied as will tape and direct access files. Prerequisite: CSI 106.

CSI 108 Scientific Programming 3-4-5 F

A study of the elements of the PL/I programming language with the emphasis upon the use of the computer as a tool in solving scientific problems. Programming exercises will include mathematical, statistical and engineering applications. Prerequisite: CSI 104, MAT 122.

CSI 201 Systems Analysis and Techniques I 2-4-4 F

Computer system structure and techniques of analysis including feasibility studies, personnel, systems design, input and output forms design, file organization techniques. Prerequisite: CSI 106.

CSI 202 Systems Analysis and Techniques II 2-4-4 W

A continuation of CSI 201, culminating with the student performing a system analysis of a practical system from feasibility study to implementation. Prerequisite: CSI 201.

CSI 207 Computer Systems 3-4-5 SS

Concepts of interrupts, multiprogramming, operating systems, teleprocessing and systems programming. Job control will be considered from the viewpoint of monitor systems, basic operating systems and large operating systems. Prerequisite: CSI 105.

B. Courses - Descriptions (Continued)

- EDU 1010 Special Problems in Early
 Childhood Programs 3-0-3 S
- Further study of behavior in relation to developmental stages, with emphasis on behavior which is symptomatic of emotional or physical handicaps. Case studies and field observations are utilized for analysis of problems commonly encountered in group situations. Effective interaction and other types of remedial help are explored. Behavior of the child care worker is analyzed as a possible factor in contributing to or alleviating maladjustment, with focus on the importance of constructively utilizing an analytic approach to self-development and improved interpersonal skills.
- EDU 1011 Conceptual and Language
 Development 3-0-3 W
- Study of means for helping children develop in their ability to communicate and to formulate concepts about their environment. Emphasis is on utilization of all facets of the program to reinforce concept development and to increase vocabulary through stimulation of oral communication.
- EDU 1012 Literature in the Early
 Childhood Program 3-0-3 S
- Study of literature for young children, with emphasis on criteria for evaluating the literary value of children's books. Extensive reading and development of a topical file provide resources for selection of appropriate materials to use in field practice, to develop skill in oral reading and in story telling.
- EDU 1013 Parent Education 3-0-3 SS
- Designed to develop understanding of the rewards and difficulties of parents. Role playing provides opportunities to practice ways of working with parents through home visits, individual conferences, informal conversations, and group meetings. The relationship of the child care facility to other community agencies is explored, including ways each can best serve children and their families. Emphasis is given to the responsibility of child care workers to know about community resources, to be sensitive to needs of parents, and to help parents become aware of and utilize services of the community.
- EDU 1014 Administration and Supervision in a
 Pre-school Facility 3-0-3 SS
- Designed to assist students to develop a philosophy of pre-school education which can serve as a guide in establishing policies and procedures for the operation of a center for group care of young children. Emphasis is given to principles of supervision and techniques for promoting acceptance of a philosophy by the total staff.
- EDU 1015 Group Care of Infants 3-0-3 SS
- Study of development from birth to age three and of the problems specific to group care of children under three. Each student will develop a plan of care for a group of five children; the plan must reflect concern for the child's total development and show procedures for dealing with the practical problems of providing safe care for infants and toddlers.

B. Courses - Descriptions (Continued)

ENG 210 Studies in Literature 1-0-1 Upon Request

A study of selected writers, topics, genre, etc. Course content will vary from offering to offering as student/instructor interest dictates. This course is a general elective, but will not serve as a substitute for the general education literature requirement (Eng, Amer, World Lit). No prerequisite.

ENG 211 Studies in Literature 2-0-2 Upon Request

A study of selected writers, topics, genre, etc. Course content will vary from offering to offering as student/instructor interest dictates. This course is a general elective but will not serve as a substitute for the general education literature requirement (Eng, Amer, World Lit.) No prerequisite.

ENG 212 Studies in Literature 3-0-3 Upon Request

A study of selected writers, topics, etc. Course content will vary from offering to offering as student/instructor interest dictates. This course is a general elective but will not serve as a substitute for the general education literature requirement (Eng, Amer, World Lit). No prerequisite.

MAT 100 Elementary Geometry 5-0-5 SS

Study of fundamental concepts of plane geometry designed for students who have not had high school geometry. The study will include: deductive reasoning, congruence and similarity; a study of triangles, circles, quadrilaterals, and regular polygons; and basic theorems and postulates. This course does not satisfy the general education Mathematics requirements.

MAT 200 College Geometry 5-0-5 SS

The topics of Math 100 will be studied in greater depth. Additional topics will include: solid geometry and non-Euclidean geometrics. A student may not receive credit for both Math 100 and Math 200 without approval of the Mathematics Department Chairperson. This course does not satisfy the general education Mathematics requirement. Prerequisite: High School geometry, or the instructor's approval.

MAT 291 Individualizing Mathematics 1-2-1 F

The course is designed to give prospective elementary education and mathematics teachers the opportunity to gain experience in teaching mathematics from an individualized approach. Topics to be discussed include: using learning objectives to focus study, scheduling study time, techniques of tutoring, and ways to keep students on the desired subject. Each student will be required to tutor Math 104, Math 106, or Math 111 students for a minimum of 2 hours per week. The student will be evaluated on how well he applies the concepts discussed in class to the actual teaching situation. Prerequisite: Math 104, Math 106, or Math 111.

MAT 1824 Electrician's Math 8-0-8 F

A study of those mathematical areas employed in the electrician's field. Emphasis will be placed on whole numbers; fractions, decimals; percentage; powers and roots; ratio and proportions; simple formulas, measurements and triangles. Practical application and problems furnish the trainee with experience in surface measurement, wire size, electrical loads, mechanics, and simple electrical formulas.

B. Courses - Descriptions (Continued)

MAT 1824A (4-0-4) F and MAT 1824B (4-0-4) W

MAT 1824A (Part One of MAT 1824) and MAT 1824B (Part Two of MAT 1824) are the equivalent of MAT 1824 when taken on a part-time basis.

MUS 104	Musical Rudiments IV	1-1-1	Upon Request
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Continuation of Mus 103.

MUS 108	Classical Guitar I	1-2-2	Upon Request
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Introduction to classical guitar techniques including study of scales, arpeggios, etudes, and basic repertoire. Prerequisite: general experience in playing and reading music on the guitar and permission of the instructor.

MUS 109	Classical Guitar II	1-2-2	Upon Request
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Continuation of Mus 108.

MUS 110	Classical Guitar III	1-2-2	Upon Request
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Continuation of Mus 109.

MUS 141	Guitar Ensemble I	0-2-1	F, W, S, SS, Upon Request
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Group performance experience for guitarists. Literature to be studied will include classical and popular music, both compositions originally composed for guitar and transcriptions. Presumes the ability to read music on guitar. No other prerequisite.

MUS 142	Guitar Ensemble II	0-2-1	F, W, S, SS, Upon Request
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Continuation of Mus 141.

MUS 143	Guitar Ensemble III	0-2-1	F, W, S, SS, Upon Request
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Continuation of Mus 142.

MUS 208	Classical Guitar IV	1-2-2	Upon Request
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Continuation of Mus 110. Prerequisite: Mus 110 or permission of instructor.

MUS 209	Classical Guitar V	1-2-2	Upon Request
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Continuation of Mus 208.

MUS 210	Classical Guitar VI	1-2-2	Upon Request
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Continuation of Mus 209.

MUS 241	Guitar Ensemble I	0-2-1	F, W, S, SS, Upon Request
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Group performance experience for guitarists. Literature to be studied will include classical and popular music, both compositions originally composed for guitar and transcriptions. Presumes the ability to read music on guitar. No other prerequisite.

II. CHANGES

A. PROGRAMS - Vocational Education (One Year Program)

1. AUTOMOTIVE MECHANICS
One Year Program

The program in Automotive Mechanics is designed to train skilled mechanics who can maintain and repair gasoline-powered automobiles, trucks, buses, and tractors. The program incorporates various types of repair work including transmissions, alignment and steering, air conditioning, engine overhaul, carburetion, and ignition systems. Safety practices, tool maintenance and shop management are stressed throughout this program.

*Group I				*Group II			
Course Title**	Lec Hrs.	Lab Hrs.	Cr. Hrs.	Course Title**	Lec Hrs.	Lab Hrs.	Cr. Hrs.
<u>FALL QUARTER</u>				<u>FALL QUARTER</u>			
AUT 1101 Int Combustion Engns	4	12	8	AUT 1102 Eng Elec/Fuel Systems	4	12	8
MAT 1101 Fund of Math	5	0	5	MAT 1101 Fund of Math	5	0	5
PHY 1101 Applied Science I	3	2	4	PHY 1101 Applied Science I	3	2	4
ISA 101 Industrial Safety	1	0	1	ISA 101 Industrial Safety	1	0	1
SSD 100 Study Skills Development	1	0	1	SSD 100 Study Skills Development	1	0	1
	<u>14</u>	<u>14</u>	<u>19</u>		<u>14</u>	<u>14</u>	<u>19</u>
<u>WINTER QUARTER</u>				<u>WINTER QUARTER</u>			
AUT 1102 Eng Elec/Fuel Systems	4	12	8	AUT 1101 Int Combustion Engns	4	12	8
MEC 1511 Metrology	1	2	2	MEC 1511 Metrology	1	2	2
PHY 1102 Applied Science II	3	2	4	PHY 1102 Applied Science II	3	2	4
WLD 1101 Basic Welding	0	3	1	WLD 1101 Basic Welding	0	3	1
	<u>8</u>	<u>19</u>	<u>15</u>		<u>8</u>	<u>19</u>	<u>15</u>
<u>SPRING QUARTER</u>				<u>SPRING QUARTER</u>			
AUT 1103 Brks/Chassis/Suspensn	5	12	8	AUT 1103 Brks/Chassis/Suspensn	5	12	8
AHR 1101 Auto Air Cond	2	3	3	AHR 1101 Auto Air Cond	2	3	3
MEC 1512 Prac Mch Operatns	1	3	2	MEC 1512 Prac Mch Operations	1	3	2
ENG 1102 Communication Skls	3	1	3	ENG 1102 Communication Skls	3	1	3
	<u>11</u>	<u>19</u>	<u>16</u>		<u>11</u>	<u>19</u>	<u>16</u>
<u>SUMMER QUARTER</u>				<u>SUMMER QUARTER</u>			
AUT 1104 Servcng/Power Train	4	18	10	AUT 1104 Servcng/Power Train	4	18	10
PSY 1101 Human Relations	3	0	3	PSY 1101 Human Relations	3	0	3
BUS 1103 Bus Operations	3	0	3	BUS 1103 Bus Operations	3	0	3
	<u>10</u>	<u>18</u>	<u>16</u>		<u>10</u>	<u>18</u>	<u>16</u>
TOTAL QUARTER HOURS CREDIT (GROUP I) 66				TOTAL QUARTER HOURS CREDIT (GROUP II) 66			

*Group I and Group II indicate two separate one year programs of study. The student may choose to follow either of these two groups. An equal number of credit hours must be completed in either program.

**Full titles can be found in the Course Description section of this catalog.

II. CHANGES

A. PROGRAMS - Vocational Education (Nine Month Program)

2. WELDING
(Co-Operative Program)

The content of this program is designed to give students a sound understanding of the principles, methods, techniques and skills essential for successful employment in the Welding field and the metals industry. The student gains on-the-job experience by working in industry the Third Quarter. If the industrial evaluation is satisfactory, the student is awarded a diploma.

The principal duty of the welder who uses manual techniques is to control the fusion of metals by directing the heat from either an electric arc or a gas welding torch and to add filler metal where necessary to complete the joint. He should possess a great deal of manipulative skills with a knowledge of jigs, mathematics, metal identification and blue-print reading.

Part-time students may enroll in the Welding Program. Upon completing the required procedures in a six quarter period, the students will be required to satisfactorily complete eleven weeks of on-the-job training to qualify for a diploma.

NINE MONTH PROGRAM			
Course Title*	Lec. Hrs.	Lab Hrs.	Cr. Hrs.
FALL QUARTER OR SPRING QUARTER			
WLD 1120 Welding Theory/Practice I.....	3	15	8
MAT 1101 Fund of Mathematics.....	5	0	5
ISA 101 Industrial Safety.....	1	0	1
SSD 100 Study Skills Development.....	1	0	1
DFT 1117 Blueprint Reading: Welding I.....	0	3	1
	10	18	16
WINTER QUARTER OR SUMMER QUARTER			
WLD 1121 Welding Theory/Practice II.....	3	15	8
DFT 1118 Blueprint Reading: Welding II.....	0	3	1
PSY 1101 Human Relations.....	3	0	3
MEC 1117 Test/Identification Metals/Analysis.....	1	2	2
	7	20	14
SPRING QUARTER OR FALL QUARTER			
WLD 1130 Welding Skills Development Industrial I.....	1	40	5
TOTAL QUARTER HOURS CREDIT 35			
* Full titles of courses can be found in the Course Description section of this catalog.			

A. PROGRAMS - Technical Education (Two Year Occupational)

1. COMPUTER SCIENCE-BUSINESS

The Computer Science curriculum has been planned and organized to provide the student with the training and experience necessary for immediate employment. The purpose of the program is to train qualified computer programmers and to provide an overall understanding of the computer field. Other job opportunities exist to graduates of the program in the areas of computer operations and systems analysis.

Programmers have the responsibility for converting manual processes into automated applications by giving instructions to the computers in a machine-readable form. The study of programming languages and business functions provides the skills needed to achieve this objective.

First Year				Second Year			
Course Title ^o	Lec Hrs.	Lab Hrs.	Cr. Hrs.	Course Title ^o	Lec Hrs.	Lab Hrs.	Cr. Hrs.
<u>FALL QUARTER</u>				<u>FALL QUARTER</u>			
BUS 120 Prin of Accounting I	3	1	3	ENG 120 Fund of Speech I <u>OR</u>	3	0	3
ENG 101 Fresh English I	3	1	3	ENG 121 Oral Communications	3	0	3
CSI 101 Data Processing Concepts I	2	0	2	CSI 108 Scientific Programm'g	3	4	5
CSI 104 Intro to Programming	1	2	2	CSI 201 Systems Analysis and Techniques I	2	4	4
MAT 106 Prin of Math I	5	2	5	Electives	3	0	3
SSD 100 Study Skills Dev	1	0	1		11	8	15
	15	6	16				
<u>WINTER QUARTER</u>				<u>WINTER QUARTER</u>			
BUS 121 Prin of Accounting II	3	1	3	CSI 202 Systems Analysis and Techniques II	2	4	4
CSI 102 Data Processing Concepts II	1	2	2	BUS 281 Human Relations	3	0	3
CSI 105 Assembler Programming	3	4	5	Electives	6	0	6
MAT 107 Prin of Math II	5	0	5		11	4	13
	12	7	15				
<u>SPRING QUARTER</u>				<u>SPRING QUARTER</u>			
BUS 122 Prin of Account'g III	3	1	3	CSI 211 RPG Programming	1	4	3
CSI 106 Bus Programming I	3	4	5	CSI 216 Research Project	1	8	5
MAT 122 Computer Math	5	0	5	BUS 264 Bus Management **	3	0	3
ENG 112 Technical Writing	3	0	3	BUS 268 Bus Seminar	1	0	1
	14	5	16		6	12	12
<u>SUMMER QUARTER</u>				<u>SUMMER QUARTER</u>			
CSI 107 Business Programm'g II	2	4	4				
CSI 207 Computer Systems	3	4	5				
Elective	3	0	3				
	8	8	12				
				TOTAL QUARTER HOURS CREDIT 98			

^oFull titles of courses can be found in the Course Description section of this supplement.

**If the student wishes to take BUS 233 Personnel Management in lieu of BUS 264, he should contact his advisor at the beginning of the second year to schedule such change in advance.

II. CHANGES

C. HOURS

<u>Course Prefix and Number</u>	<u>Course Description</u>	<u>From</u>	<u>To</u>
COS 1171	Cosmetology III Lab	0-25-8	0-21-7
ENG 101	Freshman English I	3-2-3	3-1-3
ENG 102	Freshman English II	3-1-3	3-0-3
ENG 103	Freshman English III	3-1-3	3-0-3
MEC 1115	Properties of Metals	3-2-4	3-0-3
MAT 1101	Fundamentals of Mathematics	5-0-5	5-1-5
NUR 103	Maternal and Child Care	4-16-8	4-16-9
NUR 201	Nursing Care in Physical & Mental Illness I	4-16-8	4-16-9
NUR 202	Nursing Care in Physical & Mental Illness II	4-16-8	4-16-9
NUR 204	Nursing Care in Physical & Mental Illness III	4-16-8	4-16-9
PED 151M	Gymnastics and Trampoline	0-2-1	0-3-1
PED 155M	Weight Training	0-2-1	0-3-1
PED 251	Gymnastics and Trampoline	0-2-1	0-3-1

III. DELETIONS

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A. COURSES

EDP 101	Functional Wiring Principles	2-2-3	F
EDP 103	Survey of Data Processing Systems	4-0-4	F, W, S
EDP 104	Introduction to Data Processing Systems	4-0-4	F
EDP 106	Business Programming I	3-2-4	W
EDP 107	Business Programming II	3-2-4	S
EDP 108	Scientific Programming	3-2-4	F
EDP 201	System Analysis and Techniques I	2-2-3	F
EDP 202	System Analysis and Techniques II	3-2-4	W
EDP 205	Linear Programming	2-4-4	W
EDP 207	Computer Systems	2-2-3	F
EDP 210	Computer Language Survey	2-2-3	S
EDP 216	Research Project	1-8-5	S
EDP 218	Internship	1-40-5	S
MAT 121	Symbolic Logic	3-0-3	S
PED 103M	Physical Fitness for Men	0-3-1	F, W, S, SS
PED 112	Badminton (Co-Educational)	0-2-1	W
PED 113	Bowling (Co-Educational)	0-2-1	F, W
PED 115	Recreation (Co-Educational)	0-2-1	F, W, S, SS
PED 120	Angling - Archery (Co-Educational)	0-2-1	F, S, SS
PED 130M	Basketball (Men)	0-2-1	W
PED 130W	Basketball (Women)	0-2-1	W
PED 131W	Field Hockey (Women)	0-2-1	F
PED 132M	Flag Tag Football (Men)	0-2-1	F
PED 133M	Soccer (Men)	0-2-1	F
PED 134M	Softball (Men)	0-2-1	S
PED 134W	Softball (Women)	0-2-1	S
PED 135W	Speedball (Women)	0-2-1	F, S
PED 136	Volleyball	0-2-1	F, W

III. DELETIONS

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A. COURSES (Continued)

PED 136M	Volleyball (Men)	0-2-1	F, W
PED 136W	Volleyball (Women)	0-2-1	F, W
PED 137	Indoor Hockey (Men)	0-2-1	W
PED 153	Modern Dance I (Co-Educational)	0-2-1	W
PED 154M	Track/Field (Men)	0-2-1	S
PED 154W	Track/Field (Women)	0-2-1	S
PED 155W	Weight Training (Women)	0-2-1	F, W, S
PED 156M	Wrestling (Men)	0-2-1	W
PSY 213	General Psychology III	3-0-3	S





