Subject Table Handbook Technology Education

Student Records System and Professional School Personnel System

September 2004 — June 2005

SUBJECT TABLE HANDBOOK
TECHNOLOGY EDUCATION

Student Records System and Professional School Personnel System

September 2004 – June 2005

2004

Education, Citizenship and Youth

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PURPOSE

The purpose of the *Subject Table Handbook: Technology Education* is to support schools in the 2004-2005 school year by:

- providing basic information to assist schools in completing the Professional School Personnel system (PSP) forms
- providing basic information to schools for entering student records into the Student Records system (SRS)
- providing subject computer codes for courses developed by Manitoba Education, Citizenship and Youth, and for those approved or registered by the Department

A new edition of the *Subject Table Handbook* is distributed at the beginning of each school year. It reflects changes to course codes, credits, etc. that apply for the upcoming school year. Schools are responsible for ensuring that they are using the appropriate edition of the Handbook when recording student marks for Professional Certification and Student Records Unit in Russell, Manitoba. **Note that schools must use the September 2003-June 2004 Subject Table Handbook for reporting 2003-2004 student marks in the summer and fall of 2004**.

This edition of the *Subject Table Handbook: Technology Education* - in effect from September 2004 to June 2005 - is available online at the following address; http://www.edu.gov.mb.ca/ks4/docs/policy/sthte/index.html. Placing the content of the Handbook online provides information about course codes, levels, and credits to accommodate schools in setting up their registrations and course offerings for the next school year. Some changes will occur over the 2004-05 school year as new curricula are released. The online content will be updated several times during the year, but schools should exercise some caution when setting up their course codes in the spring.

A Manitoba Education, Citizenship and Youth funding review in 1991 resulted in changes in the categorical grants for vocational programming. The changes moved funding from a program focus to a unit-credit focus. As a result, unit-credit titles have been identified for Technology Education -Vocational Industrial, Industrial Arts, and Home Economics. For those curricula developed and/or approved by the Department, committees of teachers met and unit-credit titles were identified. For those curricula developed at the local level, but approved by the Department, the teachers who delivered the courses submitted unit-credit titles for review to the Department. These two processes resulted in the identification of approximately eight hundred unit-credit titles. To meet the needs of students who want to maximize their Technology Education options in Senior Years, half-credits have been identified for some Senior 1 and 2 courses.

SENIOR YEARS CREDIT SYSTEM

The Senior Years (Senior 1-4) credit system provides flexibility to enable students to pursue Senior Years courses best suited to their individual requirements and aspirations. Students may earn *one credit* by undertaking and successfully completing a course of study designed for a minimum of 110 hours of instruction. *Half credits* (courses designed for a minimum of 55 hours of instruction) may be earned in like manner. There are two categories of credits: Compulsory and Optional.

INCREASED CHOICE AND FLEXIBILITY: CHANGES TO SENIOR YEARS GRADUATION REQUIREMENTS

In the 2004-2005 school year, all students must graduate under *Increased Choice and Flexibility: Changes to Senior Years Graduation Requirements* released in March 2001. For graduation requirements please see http://www.edu.gov.mb.ca/ks4/policy/gradreq/choice-flexibility.html.
For a status update on the above report please see *Increasing Choice and Flexibility: Changes to Senior Years Graduation Requirements*: *A Status Report* (June 2002), at http://www.edu.gov.mb.ca/ks4/policy/gradreq/choice-flexibility_june02.html.

SENIOR YEARS COURSE IDENTIFICATION

Course Numbering

The present course numbering system comprises a 3-character, alpha-numeric code. The first and second characters are numerals, while the third is a letter.

- **First Character**
  - 1 - for courses developed for Senior 1
  - 2 - for courses developed for Senior 2
  - 3 - for courses developed for Senior 3
  - 4 - for courses developed for Senior 4

- **Second Character**
  - 0 - developed by Manitoba Education, Citizenship and Youth for 1 credit
  - 5 - developed by Manitoba Education, Citizenship and Youth for ½ credit
  - 1 - developed by schools or school divisions and registered by Manitoba Education, Citizenship and Youth (includes SICs and SIPs)
  - 2 - externally developed by an educational authority and, in the case of dual credit, a post-secondary institution (e.g., university, out-of-country).

- **Third Character**
  - G - General
  - F - Foundation
  - S - Specialized
  - E - ESL
  - M - Modified
  - I - Individualized
  - C - College-based
  - U - University-based

Course Designations

Foundation (F): Educational experiences which are broadly based and appropriate for all students and which may lead to further studies beyond the Senior Years (e.g. apprenticeship, college, and university). When new curricula and policies are implemented, as outlined in Departmental correspondence to the field, this designation will come into effect provided the curriculum is a foundation course leading to further study. The definition appears here to indicate that course identification changes will be implemented as new curricula are implemented. **Do not report marks using this designation until you are advised to do so by the Department.**

General (G): General educational experiences for all students. The G designation will be retained for Independent Study and Teacher-Mediated courses in all areas until these courses are revised. As system-wide use of new curricula is mandated, the G designation will be phased out. All School-Initiated Courses (SICs) and Student-Initiated Projects (SIPs) remain as G designation. Industrial Arts and Home Economics courses may be identified as General (G) or Specialized (S) at the Senior 3 and Senior 4 levels.

Specialized (S): Educational experiences in specialized areas leading to further studies beyond the Senior Years (e.g., apprenticeship, college, and university). Business Education and Marketing Education courses at Senior 2 to Senior 4 and Vocational Industrial courses at Senior 1 to Senior 4 are designated as Specialized (S).

ESL (E): Educational experiences designed to assist students for whom English is not a first language in making a transition into the English Program; an Individual Education Plan (IEP) is required for each student.

Modified (M): Educational experiences intended for students with significant cognitive disabilities and where the provincial subject area curriculum outcomes have been modified by 50 per cent or more to take into account the learning requirements of a student; an Individual Education Plan (IEP) is required for each student.

Individualized (I): Educational experiences intended for students with significant cognitive disabilities and that are developmentally and age appropriate and highly individualized to take into account the learning requirements of the student; an Individual Education Plan (IEP) is required for each student.

NOTE: Students in individualized programming do not use Manitoba Education, Citizenship and Youth curricula. The designation indicates student participation in individualized programming. For example, 11I indicates year one of student participation in locally developed programming individualized for the student; 71I indicates year seven of such participation.

College-based (C): Educational experiences at the college level that can be used for dual credits; credit at the Senior 3 and Senior 4 levels and also for the first year of college.

University-based (U): Educational experiences at the first year university level that can be used for dual credits (credit at the Senior 4 level) for senior years graduation purposes and also for first year university.

<u>**Course Levels**</u>

Senior 1: All subject area curricula, except vocational industrial, will be developed as foundation courses. Some technology education curricula may be developed as specialized courses. The Foundation (F) course designation will replace the General (G) course designation as new curricula comes into effect.

Senior 2: As new curricula are introduced, all subject area curricula, except vocational industrial, science, and mathematics, will be developed as Foundation (F) courses. Some curricula for technology education, science, and mathematics may be developed as Specialized (S) courses.

Senior 3: As new curricula are introduced, a variety of subject area curricula will be developed for different purposes, including a range of Foundation (F) and Specialized (S) courses.

Senior 4: As new curricula are introduced, a variety of subject area curricula will be developed for different purposes, including a range of Foundation (F), and Specialized (S) courses. Currently, curricula are developed for General (G) and Specialized (S) courses. Courses that qualify for a U designation are first year University Courses. Those that qualify for a C designation are first year College courses.

From Senior 1-4, a particular Foundation, General and/or Specialized subject area curriculum can be modified on an individual basis via a student's Individual Education Plan following Departmental requirements. The M or E course designation then applies.

NOTE: No Departmental regulation will prevent a student from taking a designated course in one senior year and then switching to a different designation in a later year.

<u>**Examples**</u>**:**

Senior 1 Intro to Electronics (10S)   Senior 1, developed or approved by Manitoba Education, Citizenship and Youth for 1 credit, Specialized course.

Senior 1 Introduction to H.I. Tech (15S)   Senior 1, developed or approved by Manitoba Education, Citizenship and Youth for ½ credit, Specialized course.

Senior 1 Family Studies (15M)   Senior 1, developed or approved by Manitoba Education, Citizenship and Youth for ½ credit, General course modified in curriculum goals and objectives or outcomes by 50% or more to accommodate students with significant cognitive disabilities.

Senior 2 Family Studies (25G)   Senior 2, developed or approved by Manitoba Education, Citizenship and Youth for ½ credit, General course.

Senior 3 Machine Tool Technology (30G)   Senior 3, developed or approved by Manitoba Education, Citizenship and Youth for 1 credit, General course.

Calculus 1 (KC.MSC.1510) (42C)   Senior 4, a first year college level course for dual credits, developed by a college and approved by Manitoba Education, Citizenship and Youth for one-half credit, College-based course.

Introductory Psychology (44.1000/6) (42U)   Senior 4, a first year university level course for dual credits, developed by a university and approved by Manitoba Education, Citizenship and Youth for one credit, University-based course.

CHALLENGE FOR CREDIT
The Challenge for Credit Option offers students the opportunity to apply prior knowledge in a particular subject area by demonstrating achievement in the learning outcomes of that course/ speciality and receiving credit for it. For information on *The Challenge for Credit Option* refer to http://www.edu.gov.mb.ca/ks4/policy/gradreq/choice_attacha.pdf

CREDIT FOR COMMUNITY SERVICE (STUDENT-INITIATED PROJECT - SIP)
Students may earn one community Service credit (in the form of a SIP) within the 28 credits for graduation. These SIPS consisting of volunteer service are not to be registered with the Department. A Community Service SIP course code (8977) is available. Guidelines for this SIP are available at http://www.edu.gov.mb.ca/ks4/policy/gradreq/choice_attachb.pdf .

DISTANCE LEARNING COURSES:
Students may take compulsory or optional courses in either print or online format including courses delivered from outside the province. Two documents on distance learning were recently sent to Manitoba schools: http://www.edu.gov.mb.ca/ks4/docs/policy/online_learning
Compulsory Courses: The course codes for in-province compulsory and optional distance learning courses that are based on Manitoba curricula are the same codes that are used for in-class instruction e.g. 0092 ELA: A Comprehensive Focus 40S
Optional Courses: The distance learning optional courses delivered by an out-of-province educational authority will be reported using 12G, 22G, 32S, and 42S designations. Some broad categories of computer codes have been provided, however, should additional course codes be required, schools are asked to communicate with the Department.

POST-SECONDARY CREDITS AND SENIOR YEARS - DUAL CREDITS
Senior years students may take college and university courses for Senior Years graduation credits, for example, Introduction to Psychology (university course) and Safety in the Workplace (college course). The student receives a high school credit as well as a university/college credit. Students can earn a maximum of five (5) dual credits. The decision to participate is a school, or school division decision and funding is also a local matter. Guidelines are available at http://www.edu.gov.mb.ca/ks4/policy/gradreq/choice_guidelines.html.

SCHOOL-INITIATED COURSES (SICs) AND STUDENT-INITIATED PROJECTS (SIPs)

Increasing Choice and Flexibility: Changes to Senior Years Graduation Requirements: *A Status Report* (June 2002) (http://www.edu.gov.mb.ca/ks4/policy/gradreq/report_forms.html) outlines the changes in the number of allowable School-Initiated Courses (SICs) and Student-Initiated Projects (SIPs) credits and provides the most current information on registration procedures. SICs increased to eleven from eight and SIPs increased to three from two. These changes have made possible more local course development to meet student need. Submissions will continue to be accepted by print, fax or e-mail, and re-registrations will also be accepted by telephone.

SPECIAL LANGUAGE CREDIT OPTION

This credit option provides for the recognition of Manitoba's linguistic diversity. Students proficient in languages other than English or French are eligible. Only one special language credit may be earned at each of the Senior Years. For further information refer to http://www.edu.gov.mb.ca/ks4/cur/diversity/langcredits/index.html.

SUBSTITUTION OF CREDITS IN UNUSUAL SITUATIONS

This change began in the 2001-2002 school year. School divisions/schools can choose whether or not to implement this change. A substitution of a maximum of two credits can be made in any subject area subject to parent approval. If a subject is substituted for another, for example 40S Biology instead of 40S Mathematics, the mark for 40S Biology is recorded and the school transcript would have an asterisk or a note that 40S Biology has been substituted for 40S Mathematics.

TECHNOLOGY EDUCATION

Senior Years Technology Education Program (formerly - Vocational Industrial)

The *Subject Table Handbook: Technology Education* divides the available unit-credit titles into three categories as follows:

- Heavy Industrial (H.I.) encompasses those unit-credit titles that deal with heavy trades (indentured and non-indentured), and skills that require somewhat similar tools, usually outdoor working conditions, and similar processes.
- Light Industrial (L.I.) refers to those unit-credit titles that deal with light trades and occupations (indentured and non-indentured), and skills that require similar working conditions such as an indoor environment, paper- or computer-oriented media, and finer motor skills.
- Human Services (H.S.) includes those indentured and non-indentured trades and occupations that deal with the service sector, human condition, and people-oriented skills.

Details concerning the categories of clusters are found in Appendix A.

Industrial Arts

The Senior Years curricula for Industrial Arts were originally prepared for Grades 10 to 12. The new Senior Years structure of Senior 1 to 4 (Grades 9 to 12) resulted in the re-designation of Industrial Arts 101, 201, and 301 curricula as Senior 2, 3, and 4 respectively. Half-credit versions of the Senior 1 and Senior 2 curricula have been identified for those schools that prefer to provide half-credits. Senior 1 programming is derived from the existing middle years (junior high) curriculum for Grade 9. New course titles have been identified for the Industrial Arts unit-credits. Details concerning the categories of clusters are found in Appendix B.

Home Economics
Home Economics for Senior Years includes curricula that were originally prepared for Grades 9 -
12. The Home Economics 9 -12 curricula are now designated Senior 1 to Senior 4 respectively.
Half-credit versions of the Senior 1 and Senior 2 curricula have been identified for those schools
that prefer to provide half-credits. Details concerning the categories of clusters are found in
Appendix C.

Business Education and Marketing Education
For grant purposes, a series of at least eight Business Education and Marketing Education courses
are selected. A marketing course grouping contains the five Marketing courses and at least three
Business Education courses. Business Education and Marketing Education unit-credit titles are
not part of the unit-credit support.

Course Groupings
The unit-credit titles are listed under course groupings. This is a method for categorizing the unit-
credit titles, and may or may not place the desired unit-credit title under an "approved course group"
title for which a school has received approval. Schools are invited to build their local Technology
Education programming, and to have them approved by the Department, by selecting unit-credit titles
from one or more of the course groupings. For example, a construction course grouping may be
designed to meet apprenticeship requirements, speciality skills associated with the trade, special
interest options, or special needs programming. Such a grouping may be developed by taking unit-
credit titles from the following headings: Building Construction, Electricity, Refrigeration, and Air
Conditioning; and/or Sheet Metal Works, and placing them within an approved course grouping title
identified by the school and approved by Manitoba Education, Citizenship and Youth.

APPENDIX A

Technology Education - Vocational Industrial (Heavy Industrial [HI] Cluster)
Category

I	Agriculture
I	Auto Body Repair
I	Building Construction
II	Building Custodial Services
II	Building Operations and Power Engineering — Cooperative (Winnipeg Technical College [WTC] only)
I	Electricity
I	Heavy Duty Mechanics
I	Horticulture and Landscaping
I	Industrial Controls and Automation
I	Industrial Electricity
I	Industrial Maintenance Technician
I	Machine Shop
I	Metals and Aerospace Technology
I	Mineral Science
I	Plastics Technology
I	Power Mechanics
I	Refrigeration and Air Conditioning
I	Resources and Environmental Management
I	Sheet Metal Works
I	Welding

Technology Education — Vocational Industrial (Light Industrial [LI] Cluster)
<u>Category</u>

II	Advertising Art
I	Audio Recording Production and Performance
II	Drafting
I	Electronic Communications
I	Electronics
II	Fashion Technology and Design
I	Graphic Arts
I	Industrial Electronics
I	Jewelry Arts
I	Microcomputer Systems Technician
I	Photography
I	Production Art
I	Radio and Television Broadcasting
II	Technical Drafting (WTC only)

Technology Education — Vocational Industrial (Human Services [HS] Cluster)
<u>Category</u>

I	Child Care
I	Cosmetology (Hairstyling - Nail Technician)
I	Dental Assisting
I	Dental Technology
II	Family and Community Services and Health Programs
I	Food Services
II	Health Care Assistant — CVE
II	Health Services Admissions (SWTC only)
II	Hotel Hospitality — CVE
II	Human Services
II	Pharmacy Technician — CVE

APPENDIX B
Category 1: Industrial Arts

Code	Unit-Credit Title	Course Number			
7959	Graphic Communication Technology	15G	25G		
7958	Graphic Communication Technology	10G	20G	30G	40G
				30S	40S
7973	Electricity/Electronics Technology	15G	25G		
7974	Electricity/Electronics Technology	10G	20G	30G	40G
				30S	40S
7965	Power Mechanics Technology	15G	25G		
7966	Power Mechanics Technology	10G	20G	30G	40G
				30S	40S
7981	Metalwork Technology	15G	25G		
7980	Metalwork Technology	10G	20G	30G	40G
				30S	40S
7991	Woodwork Technology	15G	25G		
7990	Woodwork Technology	10G	20G	30G	40G
				30S	40S
7994	Construction Technology	40G	40S		
7995	Furniture Design Technology	40G	40S		
7996	Manufacturing Technology	40G	40S		
7997	Applied Technology (Graphics, Electronics, Power Mechanics, Metalwork, Woodwork)	40S			

Category II: Industrial Arts

Code	Unit-Credit Title	Course Number			
7952	Drafting Design Technology	15G	25G		
7953	Drafting Design Technology	10G	20G	30G	40G
				30S	40S
7997	Applied Technology (Drafting)	40S			

APPENDIX C
Category II: Home Economics

Code	Unit-Credit Title	Course Number			
1118	Family Studies	10F	20F	30F	40F
				30S	40S
0485	Family Studies	15F	25F		
1109	Clothing, Housing, and Design	10G	20G	30G	40G
				30S	40S
0483	Clothing, Housing, and Design	15G		25G	
1119	Food and Nutrition	10G	20G	30G	40G
				30S	40S
0484	Food and Nutrition	15G	25G		
0482	Home Economics	10G	15G	20G	
		25G	30G	40G	

CONTACT PERSONS

Should you require clarification regarding Senior Years Technology Education curricula, program, or policy issues, please contact:

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Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
SENIOR YEARS APPRENTICESHIP OPTION

SENIOR YEARS APPRENTICESHIP OPTION

Code	Description	Credits	Grade/Level
9801	SENIOR YEARS APPRENTICESHIP OPTION 1	1.0	40S 40E 40M
9802	SENIOR YEARS APPRENTICESHIP OPTION 2	1.0	40S 40E 40M
9803	SENIOR YEARS APPRENTICESHIP OPTION 3	1.0	40S 40E 40M
9804	SENIOR YEARS APPRENTICESHIP OPTION 4	1.0	40S 40E 40M
9805	SENIOR YEARS APPRENTICESHIP OPTION 5	1.0	40S 40E 40M
9806	SENIOR YEARS APPRENTICESHIP OPTION 6	1.0	40S 40E 40M
9807	SENIOR YEARS APPRENTICESHIP OPTION 7	1.0	40S 40E 40M
9808	SENIOR YEARS APPRENTICESHIP OPTION 8	1.0	40S 40E 40M

TECHNOLOGY EDUCATION
BUSINESS EDUCATION AND MARKETING EDUCATION

Code	Description	Credits	Grade/Level
0200	ACCOUNTING PRINCIPLES	1.0	30S 30E 30M
0360	ECONOMICS	1.0	40S 40E 40M
0580	LAW	1.0	40S 40E 40M
0690	SEMINAR IN BUSINESS	1.0	40S 40E 40M
0820	SHORTHAND & TRANSCRIPTION	1.0	30S 30E 30M 40S 40E 40M
1224	FUTURES IN BUSINESS	.5	15G 15E 15M
1225	START YOUR OWN BUSINESS	.5	25G 25E 25M
1226	WORD PROCESSING	1.0	30S 30E 30M
1227	ACCOUNTING SYSTEMS	1.0	40S 40E 40M
1251	MANAGEMENT	1.0	40S 40E 40M
1252	MARKETING PRACTICUM	1.0	40S 40E 40M
1265	PROMOTIONS	1.0	30S 30E 30M
1270	ADVANCED KEYBOARDING	.5	25S 25E 25M
1271	INTRODUCTORY KEYBOARDING	.5	15G 15E 15M
1272	RELATIONS IN BUSINESS	1.0	30S 30E 30M
1273	RETAILING	1.0	20S 20E 20M
1274	AUTOMATED OFFICE	1.0	40S 40E 40M
1275	ADVANCED WORD PROCESSING	.5	45S 45E 45M
1276	SOFTWARE APPLICATIONS	1.0	30S 30E 30M
1277	VISIONS AND VENTURES:ENTREPRENEURSHIP	1.0	30S 30E 30M
3910	COMPUTER APPLICATION AND TECHN	1.0	20S 20E 20M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
DUAL CREDITS - COLLEGE BASED

4447   BUSINESS COMMUNICATION(B14-B105)   1.0   42C

*Note: It will be necessary to notify the Department by September 30, 2004
should the dual credit opportunity be made available in your school. List the
post-secondary courses and Universities/Colleges involved. The Department
will then register the course(s) and assign code(s) for reporting purposes.*

TECHNOLOGY EDUCATION
DUAL CREDITS - UNIVERSITY BASED

4496   INTRODUCTORY PSYCHOLOGY (44.1000/6)   1.0   42U

*Note: It will be necessary to notify the Department by September 30, 2004
should the dual credit opportunity be made available in your school. List the
post-secondary courses and Universities/Colleges involved. The Department
will then register the course(s) and assign code(s) for reporting purposes.*

TECHNOLOGY EDUCATION
HOME ECONOMICS

Code	Description	Credits	Grade/Level
0482	HOME ECONOMICS	.0	7 8
		.5	15G 15E 15M 25G 25E 25M
		1.0	10G 10E 10M 20G 20E 20M 30G 30E 30M 40G 40E 40M
0483	CLOTHING/HOUSING/DESIGN	.5	15G 15E 15M 25G 25E 25M
0484	FOOD AND NUTRITION	.5	15G 15E 15M 25G 25E 25M
0485	FAMILY STUDIES	.5	15F 15E 15M 25E 25M 25F
1109	CLOTHING/HOUSING/DESIGN	1.0	10G 10E 10M 20G 20E 20M 30S 30G 30E 30M 40S 40G 40E 40M
1118	FAMILY STUDIES	1.0	10F 10E 10M 20F 20E 20M 30S 30E 30F 30M 40S 40E 40F 40M
1119	FOOD AND NUTRITION	1.0	10G 10E 10M 20G 20E 20M 30S 30G 30E 30M 40S 40G 40E 40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL

ADVERTISING ART

Code	Description	Credits	Grade/Level
8882	INTRODUCTION TO L.I. TECH.	1.0	10S 10E 10M
8883	INTRODUCTION TO L.I. TECH.	.5	15S 15E 15M
8379	GAME DESIGN & DEVELOPMENT	1.0	40S 40E 40M
8380	INTRO TO ADVERTISING ART	1.0	10S 10E 10M
8381	INTRO TO ADVERTISING ART	.5	15S 15E 15M
8382	DRAWING	1.0	20S 20E 20M
8383	DESIGN	1.0	20S 20E 20M
8384	PRODUCTION ART	1.0	20S 20E 20M
8385	ILLUSTRATION	1.0	30S 30E 30M
8386	ADVERTISING LAYOUT	1.0	30S 30E 30M
8387	TYPE DESIGN	1.0	30S 30E 30M
8388	ADVANCED PRODUCTION ART	1.0	30S 30E 30M
8389	TYPOGRAPHY	1.0	40S 40E 40M
8390	GRAPHIC DESIGN	1.0	40S 40E 40M
8391	ADVANCED APPLICATIONS	1.0	40S 40E 40M
8392	PORTFOLIO MANAGEMENT	1.0	40S 40E 40M
8393	APPLIED ADVERTISING ART	1.0	40S 40E 40M
8394	L.I. TECH INITIATIVE	1.0	40S 40E 40M
8395	ANIMATION	1.0	40S 40E 40M
8396	DIGITAL IMAGING	1.0	40S 40E 40M

AUDIO RECORDING PRODUCTION AND PERFORMANCE

Code	Description	Credits	Grade/Level
8882	INTRODUCTION TO L.I. TECH.	1.0	10S 10E 10M
8883	INTRODUCTION TO L.I. TECH.	.5	15S 15E 15M
8400	INTRO TO AUDIO	1.0	10S 10E 10M
8401	INTRO TO AUDIO	.5	15S 15E 15M
8402	INTRO TO MUSIC THEORY	1.0	20S 20E 20M
8403	INTRO TO MUSIC SKILLS	1.0	20S 20E 20M
8404	AUDIO ENGINEERING - LIVE	1.0	30S 30E 30M
8405	INTERMEDIATE MUSIC THEORY	1.0	30S 30E 30M
8406	HISTORY OF MUSIC	1.0	30S 30E 30M
8407	AUDIO ENGINEERING - STUDIO	1.0	30S 30E 30M
8408	ADVANCED MUSIC THEORY	1.0	40S 40E 40M
8409	ELECTRONIC MUSIC	1.0	40S 40E 40M
8410	APPLIED AUDIO	1.0	40S 40E 40M
8411	HISTORY OF MODERN MUSIC	1.0	40S 40E 40M
8412	ARRANGING	1.0	40S 40E 40M
8413	ADVANCED APPLIED AUDIO	1.0	40S 40E 40M
8431	INTRO TO RECORDING TECHNOLOGY	1.0	20S 20E 20M
8432	INTERMEDIATE RECORDING TECHNOLOGY	1.0	30S 30E 30M
8433	ADVANCED RECORDING TECHNOLOGY	1.0	40S 40E 40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL *(cont'd)*

DRAFTING

Code	Description	Credits	Grade/Level
8882	INTRODUCTION TO L.I. TECH.	1.0	10S 10E 10M
8883	INTRODUCTION TO L.I. TECH.	.5	15S 15E 15M
8415	INTRO TO DRAFTING	1.0	10S 10E 10M
8416	INTRO TO DRAFTING	.5	15S 15E 15M
8417	BASIC DESIGN	1.0	20S 20E 20M
8418	DIMENSIONING	1.0	20S 20E 20M
8419	SECTIONS AND VIEWS	1.0	30S 30E 30M
8420	ARCHITECTURAL DRAFTING	1.0	30S 30E 30M
8421	MECHANICAL DRAFTING	1.0	30S 30E 30M
8422	TOPOGRAPHICAL DRAWING	1.0	30S 30E 30M
8423	INTRO TO CAD	1.0	30S 30E 30M
8424	ADVANCED ARCHITECTURAL	1.0	40S 40E 40M
8425	ADVANCED MECHANICAL	1.0	40S 40E 40M
8426	ADVANCED CAD	1.0	40S 40E 40M
8427	APPLIED ARCHITECTURAL	1.0	40S 40E 40M
8428	APPLIED MECHANICAL	1.0	40S 40E 40M
8429	APPLIED TOPOGRAPHICAL	1.0	40S 40E 40M
8430	SPECIALIZED APPLICATIONS	1.0	40S 40E 40M

ELECTRONIC COMMUNICATIONS

Code	Description	Credits	Grade/Level
8882	INTRODUCTION TO L.I. TECH.	1.0	10S 10E 10M
8883	INTRODUCTION TO L.I. TECH.	.5	15S 15E 15M
8475	INTRO TO ELECTRONIC COMMUNICATION	1.0	10S 10E 10M
8476	INTRO TO ELECTRONIC COMMUNICATION	.5	15S 15E 15M
8477	ELEMENTS OF BROADCASTING	1.0	20S 20E 20M
8478	BROADCASTING TECHNOLOGY	1.0	20S 20E 20M
8479	RESEARCH, WRITE AND PERFORM	1.0	30S 30E 30M
8480	TELEVISION PRODUCTION	1.0	30S 30E 30M
8481	PROGRAMMING FOR RADIO	1.0	30S 30E 30M
8482	QUALITY CONTROL	1.0	40S 40E 40M
8483	MEDIA LITERACY	1.0	40S 40E 40M
8484	BROADCASTING REGULATIONS	1.0	40S 40E 40M
8485	APPLIED ELEC. COMMUNICATIONS	1.0	40S 40E 40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL   *(cont'd)*

ELECTRONICS

Code	Description	Credits	Grade/Level
8882	INTRODUCTION TO L.I. TECH.	1.0	10S 10E 10M
8883	INTRODUCTION TO L.I. TECH.	.5	15S 15E 15M
8440	INTRO TO ELECTRONICS	1.0	10S 10E 10M
8441	INTRO TO ELECTRONICS	.5	15S 15E 15M
8442	DC CIRCUITS	1.0	20S 20E 20M
8443	AC CIRCUITS	1.0	20S 20E 20M
8444	SEMICONDUCTOR DEVICES	1.0	30S 30E 30M
8445	SEMICONDUCTOR AMPLIFIERS	1.0	30S 30E 30M
8446	POWER CONTROL DEVICES	1.0	30S 30E 30M
8447	COMMUNICATION SYSTEMS	1.0	30S 30E 30M
8448	DIGITAL LOGIC	1.0	30S 30E 30M
8449	BASIC TECH APPLICATIONS	1.0	30S 30E 30M
8450	MICROPROCESSORS	1.0	30S 30E 30M
8451	INTRO CAD/CAM/CNC	1.0	30S 30E 30M
8452	MICROPROCESSOR INTERFACING	1.0	40S 40E 40M
8453	ADVANCED TECH APPLICATIONS	1.0	40S 40E 40M
8454	ADVANCED COMMUNICATIONS	1.0	40S 40E 40M
8455	TROUBLESHOOTING AND REPAIR	1.0	40S 40E 40M
8456	DIGITAL APPLICATIONS	1.0	40S 40E 40M
8457	ADVANCED CAD/CAM/CNC	1.0	40S 40E 40M
8458	ROBOTICS	1.0	40S 40E 40M
8459	FLUID POWER	1.0	40S 40E 40M
8460	MICROPROCESSOR APPLICATIONS	1.0	40S 40E 40M
8461	PROGRAMMABLE LOGIC CONTROLLERS	1.0	40S 40E 40M
8462	APPLIED ELECTRONICS	1.0	40S 40E 40M

FASHION TECHNOLOGY AND DESIGN

Code	Description	Credits	Grade/Level
8882	INTRODUCTION TO L.I. TECH.	1.0	10S 10E 10M
8883	INTRODUCTION TO L.I. TECH.	.5	15S 15E 15M
8490	INTRO TO FASHION TECHNOLOGY	1.0	10S 10E 10M
8491	INTRO TO FASHION TECHNOLOGY	.5	15S 15E 15M
8492	FASHION PRODUCTION	1.0	20S 20E 20M
8493	FASHION DESIGN	1.0	30S 30E 30M
8494	PATTERN DESIGN	1.0	30S 30E 30M
8495	ADVANCED PATTERN DESIGN	1.0	30S 30E 30M
8496	ADVANCED FASHION PRODUCTION	1.0	30S 30E 30M
8497	ADVANCED FASHION DESIGN	1.0	30S 30E 30M
8498	PATTERN DESIGN APPLICATIONS	1.0	30S 30E 30M
8499	DESIGN APPLICATIONS	1.0	40S 40E 40M
8500	MACHINE KNITTING	1.0	40S 40E 40M
8501	FASHION ENTREPRENEURSHIP	1.0	40S 40E 40M
8502	APPLIED FASHION TECH	1.0	40S 40E 40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL   *(cont'd)*

GRAPHIC ARTS

Code	Description	Credits	Grade/Level
8882	INTRODUCTION TO L.I. TECH.	1.0	10S 10E 10M
8883	INTRODUCTION TO L.I. TECH.	.5	15S 15E 15M
8505	INTRO TO GRAPHICS	1.0	10S 10E 10M
8506	INTRO TO GRAPHICS	.5	15S 15E 15M
8507	BASIC DESIGN	1.0	20S 20E 20M
8508	LINE CAMERA	1.0	20S 20E 20M
8509	REPRODUCTION METHODS	1.0	30S 30E 30M
8510	COMPOSITION	1.0	30S 30E 30M
8511	DESKTOP PUBLISHING	1.0	30S 30E 30M
8512	DARKROOM PROCEDURES	1.0	30S 30E 30M
8513	PLATEMAKING	1.0	30S 30E 30M
8514	PRESS TECHNOLOGY	1.0	30S 30E 30M
8515	PAPER AND INK TECHNOLOGY	1.0	30S 30E 30M
8516	IMAGE ASSEMBLY	1.0	30S 30E 30M
8517	COLOUR STRIPPING	1.0	30S 30E 30M
8518	EQUIPMENT MAINTENANCE	1.0	30S 30E 30M
8519	PROJECT ESTIMATING	1.0	30S 30E 30M
8520	ADVANCED PRESSWORK	1.0	40S 40E 40M
8521	ADVANCED PLATEMAKING	1.0	40S 40E 40M
8522	ADVANCED CAMERA	1.0	40S 40E 40M
8523	ADVANCED DESKTOP PUBLISHING	1.0	40S 40E 40M
8524	ADVANCED COMPOSITION	1.0	40S 40E 40M
8525	BINDING AND FINISHING	1.0	40S 40E 40M
8526	APPLIED GRAPHICS	1.0	40S 40E 40M

INDUSTRIAL ELECTRONICS

Code	Description	Credits	Grade/Level
8882	INTRODUCTION TO L.I. TECH.	1.0	10S 10E 10M
8883	INTRODUCTION TO L.I. TECH.	.5	15S 15E 15M
8535	INTRO TO IND. ELECTRONICS	1.0	10S 10E 10M
8536	INTRO TO IND. ELECTRONICS	.5	15S 15E 15M
8537	ELECTRONIC TEST EQUIPMENT	1.0	30S 30E 30M
8538	ELECTRONIC FABRICATION TECHNIQUES	1.0	30S 30E 30M
8539	ELECTRONIC COMPONENT FUNDAMENTALS	1.0	30S 30E 30M
8540	ELECTRONIC CIRCUIT FUNDAMENTALS	1.0	30S 30E 30M
8541	POWER ELECTRONICS	1.0	40S 40E 40M
8542	APPLIED IND. ELECTRONICS	1.0	40S 40E 40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL   *(cont'd)*

INFORMATION SCIENCE (STEINBACH REG. SEC. SCHOOL ONLY)

Code	Description	Credits	Grade/Level
8022	INTRO. COMPUTER PROBLEM SOLVING	1.0	20S 20E 20M
8023	WINDOWS GUI DEVELOPMENT	1.0	30S 30E 30M
8024	DIGITAL PRINT MEDIA TECHNOLOGY	1.0	30S 30E 30M
8039	NETWORK TECHNOLOGIES	1.0	30S 30E 30M
8040	E-MEDIA PRESENTATION TECHNOLOGY	1.0	30S 30E 30M
8041	GRAPHICS AND GAMING ALGORITHMS	1.0	40S 40E 40M
8042	DATABASE DESIGN AND APPLICATIONS	1.0	40S 40E 40M
8043	DIGITAL IMAGE PROCESSING	1.0	40S 40E 40M
8044	WEB INFO. DESIGN AND APPLICATION	1.0	40S 40E 40M
8260	ADV. MULTIMEDIA DEVELOPMENT	1.0	40S 40E 40M

JEWELRY ARTS

Code	Description	Credits	Grade/Level
8882	INTRODUCTION TO L.I. TECH.	1.0	10S 10E 10M
8883	INTRODUCTION TO L.I. TECH.	.5	15S 15E 15M
8550	INTRO TO JEWELLRY TECHNOLOGY	.5	15S 15E 15M
		1.0	10S 10E 10M
8551	JEWELLERY ARTS TECHNOLOGY	1.0	20S 20E 20M
8552	CASTING AND FABRICATION	1.0	30S 30E 30M
8553	PRODUCTION TECHNIQUES	1.0	30S 30E 30M
8554	CONSTRUCTION AND SOLDERING	1.0	30S 30E 30M
8555	FORMING TECHNIQUES	1.0	30S 30E 30M
8556	ADV. CONSTRUCTION & SOLDERING	1.0	40S 40E 40M
8557	GEM SETTING	1.0	40S 40E 40M
8558	ADV. GEM SETTING	1.0	40S 40E 40M
8559	JEWELLERY REPAIR TECHNIQUES	1.0	40S 40E 40M
8560	JEWELLERY STUDIO	1.0	40S 40E 40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL   *(cont'd)*

MICROCOMPUTER SYSTEMS TECHNICIAN

Code	Description	Credits	Grade/Level
8882	INTRODUCTION TO L.I. TECH.	1.0	10S 10E 10M
8883	INTRODUCTION TO L.I. TECH.	.5	15S 15E 15M
8098	NETWORKING TECHNOLOGY II	1.0	40S 40E 40M
8099	NETWORKING TECHNOLOGY III	1.0	40S 40E 40M
8397	ADV. WEB AUTHORING	1.0	40S 40E 40M
8398	WEB GRAPHICS	1.0	40S 40E 40M
8399	PROJECT MANAGEMENT FUNDAMENTALS	1.0	40S 40E 40M
8763	COMPUTER PROGRAMMING	1.0	40S 40E 40M
8890	INTRO TO MST	1.0	10S 10E 10M
8891	INTRO TO MST	.5	15S 15E 15M
8892	EXPLORING INDUSTRY HARDWARE	1.0	20S 20E 20M
8893	OPERATING SYSTEMS 1	1.0	30S 30E 30M
8894	APPLICATION SOFTWARE	1.0	30S 30E 30M
8895	ADVANCED OPERATING SYSTEMS	1.0	30S 30E 30M
8896	BASICS AND TROUBLESHOOTING	1.0	30S 30E 30M
8897	CUSTOMER SERVICE SKILLS	1.0	40S 40E 40M
8898	TROUBLESHOOTING PERSONAL COMPUTERS	1.0	40S 40E 40M
8899	NETWORKING TECHNOLOGY	1.0	40S 40E 40M
8900	CONFIGURING SYSTEMS	1.0	40S 40E 40M
8947	INTRODUCTION TO WEB AUTHORING	1.0	30S 30E 30M
8964	INTERMEDIATE WEB AUTHORING	1.0	40S 40E 40M
8976	NETWORKING TECHNOLOGY IV	1.0	40S 40E 40M
8978	DATABASE FUNDAMENTALS & MS ACCESS	1.0	40S 40E 40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL   *(cont'd)*

PHOTOGRAPHY

Code	Description	Credits	Grade/Level
8882	INTRODUCTION TO L.I. TECH.	1.0	10S 10E 10M
8883	INTRODUCTION TO L.I. TECH.	.5	15S 15E 15M
8565	INTRO TO PHOTOGRAPHY	1.0	10S 10E 10M
8566	INTRO TO PHOTOGRAPHY	.5	15S 15E 15M
8567	PHOTOGRAPHY EQUIPMENT	1.0	20S 20E 20M
8568	COMPOSITION AND DESIGN	1.0	20S 20E 20M
8569	LIGHTING	1.0	30S 30E 30M
8570	DARKROOM APPLICATIONS	1.0	30S 30E 30M
8571	BASIC STUDIO	1.0	30S 30E 30M
8572	FORMAT PHOTOGRAPHY	1.0	30S 30E 30M
8573	MONOCHROME PHOTOGRAPHY	1.0	30S 30E 30M
8574	COLOUR PHOTOGRAPHY	1.0	30S 30E 30M
8575	COLOUR TRANSPARENCIES	1.0	30S 30E 30M
8576	ADVANCED STUDIO	1.0	40S 40E 40M
8577	ADVANCED LIGHTING	1.0	40S 40E 40M
8578	PORTRAIT PHOTOGRAPHY	1.0	40S 40E 40M
8579	PRODUCT PHOTOGRAPHY	1.0	40S 40E 40M
8580	MULTI-MEDIA	1.0	40S 40E 40M
8581	PORTFOLIO MANAGEMENT	1.0	40S 40E 40M
8582	ADVANCED COLOUR PHOTOGRAPHY	1.0	40S 40E 40M
8583	APPLIED PHOTOGRAPHY	1.0	40S 40E 40M

PRODUCTION ART

Code	Description	Credits	Grade/Level
8882	INTRODUCTION TO L.I. TECH.	1.0	10S 10E 10M
8883	INTRODUCTION TO L.I. TECH.	.5	15S 15E 15M
8595	EXPLORING PRODUCTION ART	1.0	10S 10E 10M
8596	EXPLORING PRODUCTION ART	.5	15S 15E 15M
8597	DRAWING	1.0	20S 20E 20M
8598	DESIGN AND LAYOUT	1.0	20S 20E 20M
8599	COMPUTER IMAGING	1.0	30S 30E 30M
8600	CAMERA-READY ART	1.0	30S 30E 30M
8601	RELATED PHOTOGRAPHY	1.0	30S 30E 30M
8602	NEGATIVE ASSEMBLY	1.0	30S 30E 30M
8603	PRINTING AND PRESS OPERATION	1.0	40S 40E 40M
8604	JOB READINESS	1.0	40S 40E 40M
8605	ADVANCED COMPUTER IMAGING	1.0	40S 40E 40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL   *(cont'd)*

RADIO AND TELEVISION BROADCASTING

Code	Description	Credits	Grade/Level
8882	INTRODUCTION TO L.I. TECH.	1.0	10S 10E 10M
8883	INTRODUCTION TO L.I. TECH.	.5	15S 15E 15M
8610	INTRO TO BROADCASTING	1.0	10S 10E 10M
8611	INTRO TO BROADCASTING	.5	15S 15E 15M
8612	BROADCASTING THEORY	1.0	20S 20E 20M
8613	OPERATION OF EQUIPMENT	1.0	20S 20E 20M
8614	SCRIPTING AND PLANNING	1.0	30S 30E 30M
8615	PRODUCTION APPLICATIONS	1.0	30S 30E 30M
8616	INTERMEDIATE BROADCASTING	1.0	30S 30E 30M
8617	INTERMEDIATE EQUIPMENT	1.0	30S 30E 30M
8618	INTERMEDIATE SCRIPTING	1.0	30S 30E 30M
8619	INTERMEDIATE PRODUCTION	1.0	30S 30E 30M
8620	ADVANCED BROADCASTING	1.0	40S 40E 40M
8621	ADVANCED EQUIPMENT	1.0	40S 40E 40M
8622	ADVANCED SCRIPTING	1.0	40S 40E 40M
8623	ADVANCED PRODUCTION	1.0	40S 40E 40M

TECHNICAL DRAFTING (WTC ONLY)

Code	Description	Credits	Grade/Level
8882	INTRODUCTION TO L.I. TECH.	1.0	10S 10E 10M
8883	INTRODUCTION TO L.I. TECH.	.5	15S 15E 15M
8630	BOARD DRAFTING	1.0	10S 10E 10M
8631	BOARD DRAFTING	.5	15S 15E 15M
8632	ARCHITECTURAL DRAFTING I	1.0	20S 20E 20M
8633	MACHINE DRAFTING I	1.0	20S 20E 20M
8634	ADVANCED BOARD DRAFTING	1.0	30S 30E 30M
8635	AUTO CAD	1.0	30S 30E 30M
8636	ARCHITECTURAL DRAFTING II	1.0	30S 30E 30M
8637	ARCHITECTURAL DRAFTING III	1.0	30S 30E 30M
8638	MACHINE DRAFTING II	1.0	30S 30E 30M
8639	ARCHITECTURAL DRAFTING IV	1.0	40S 40E 40M
8640	ADVANCED AUTO CAD	1.0	40S 40E 40M
8641	MACHINE DRAFTING III	1.0	40S 40E 40M
8642	MACHINE DRAFTING IV	1.0	40S 40E 40M
8643	APPLIED TECHNICAL DRAFTING	1.0	40S 40E 40M
8644	CIVIL DRAFTING I	1.0	30S 30E 30M
8645	CIVIL DRAFTING II	1.0	40S 40E 40M
8646	CIVIL DRAFTING III	1.0	40S 40E 40M
8647	CIVIL DRAFTING IV	1.0	40S 40E 40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL

AGRICULTURE

Code	Description	Credits	Grade/Level
8880	INTRODUCTION TO H.I. TECH.	1.0	10S 10E 10M
8881	INTRODUCTION TO H.I. TECH.	.5	15S 15E 15M
8000	INTRO TO AGRICULTURE	1.0	10S 10E 10M
8001	INTRO TO AGRICULTURE	.5	15S 15E 15M
8002	ANIMAL PRODUCTION	1.0	20S 20E 20M
8003	PLANT PRODUCTION	1.0	20S 20E 20M
8004	INTRO HORTICULTURE	1.0	20S 20E 20M
8005	INTRO FARM SKILLS	1.0	20S 20E 20M
8006	INTERMEDIATE HORTICULTURE	1.0	30S 30E 30M
8007	ADVANCED HORTICULTURE	1.0	40S 40E 40M
8008	BEEF CATTLE	1.0	40S 40E 40M
8009	BROILERS	1.0	40S 40E 40M
8010	DAIRY	1.0	40S 40E 40M
8011	FARM MACHINERY	1.0	40S 40E 40M
8012	HONEY BEES	1.0	40S 40E 40M
8013	LAYING HENS	1.0	40S 40E 40M
8014	SHEEP	1.0	40S 40E 40M
8015	SWINE	1.0	40S 40E 40M
8016	TURKEYS	1.0	40S 40E 40M
8017	APPLIED AGRICULTURE	1.0	40S 40E 40M
8018	H.I. TECH INITIATIVE	1.0	40S 40E 40M

AUTO BODY REPAIR

Code	Description	Credits	Grade/Level
8880	INTRODUCTION TO H.I. TECH.	1.0	10S 10E 10M
8881	INTRODUCTION TO H.I. TECH.	.5	15S 15E 15M
8025	INTRO TO AUTO BODY REPAIR	1.0	10S 10E 10M
8026	INTRO TO AUTO BODY REPAIR	.5	15S 15E 15M
8027	AUTO BODY METALS	1.0	20S 20E 20M
8028	MINOR DAMAGE REPAIR	1.0	20S 20E 20M
8029	INTRO TO PAINT PREP	1.0	30S 30E 30M
8030	BODY ALIGNMENT	1.0	30S 30E 30M
8031	COMPONENT REPAIR/REPLACEMENT	1.0	30S 30E 30M
8032	ELECTRICAL & MECHANICAL SERVICE	1.0	30S 30E 30M
8033	REFINISHING PREPARATION	1.0	30S 30E 30M
8034	COLLISION REPAIR	1.0	40S 40E 40M
8035	PAINTING AND REFINISHING	1.0	40S 40E 40M
8036	SHOP MANAGEMENT	1.0	40S 40E 40M
8037	ADVANCED REFINISHING	1.0	40S 40E 40M
8038	APPLIED AUTO BODY	1.0	40S 40E 40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL   *(cont'd)*

BUILDING CONSTRUCTION

Code	Description	Credits	Grade/Level
8880	INTRODUCTION TO H.I. TECH.	1.0	10S 10E 10M
8881	INTRODUCTION TO H.I. TECH.	.5	15S 15E 15M
8045	INTRO BUILDING CONSTRUCTION	1.0	10S 10E 10M
8046	INTRO BUILDING CONSTRUCTION	.5	15S 15E 15M
8047	INTRO PAINTING AND DECOR	1.0	20S 20E 20M
8048	MATERIAL APPLICATION	1.0	20S 20E 20M
8049	POWER TOOLS	1.0	20S 20E 20M
8050	DRAFTING AND SURVEYING	1.0	20S 20E 20M
8051	APPLIED CONSTRUCTION	1.0	30S 30E 30M
8052	TROWEL TRADES	1.0	30S 30E 30M
8053	FINISHING	1.0	30S 30E 30M
8054	CONCRETE	1.0	30S 30E 30M
8055	FRAMING	1.0	30S 30E 30M
8056	SHEET METAL AND PIPING	1.0	30S 30E 30M
8057	CABINETS	1.0	30S 30E 30M
8058	INTERIOR/EXTERIOR	1.0	30S 30E 30M
8059	COLOUR MIXING	1.0	30S 30E 30M
8060	WOOD AND WOOD FINISHING	1.0	30S 30E 30M
8061	DRYWALL AND TAPING	1.0	30S 30E 30M
8062	APPLIED PAINTING	1.0	30S 30E 30M
8063	CONSTRUCTION ELECTRICAL	1.0	40S 40E 40M
8064	STAIRS	1.0	40S 40E 40M
8065	HEATING AND AIR CONDITIONING	1.0	40S 40E 40M
8066	ADVANCED APPLIED CONSTRUCTION	1.0	40S 40E 40M
8067	ROOF FRAMING	1.0	40S 40E 40M
8068	SPRAY PAINTING	1.0	40S 40E 40M
8069	INTERIOR DESIGN	1.0	40S 40E 40M
8070	WALLCOVERINGS	1.0	40S 40E 40M
8071	APPLIED DECORATING	1.0	40S 40E 40M
8072	BASIC MACHINES	1.0	30S 30E 30M
8073	ADVANCED MACHINES	1.0	40S 40E 40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL   *(cont'd)*

BUILDING CUSTODIAL SERVICES

Code	Description	Credits	Grade/Level
8880	INTRODUCTION TO H.I. TECH.	1.0	10S 10E 10M
8881	INTRODUCTION TO H.I. TECH.	.5	15S 15E 15M
8082	RESORT MANAGEMENT AND OPERATION	1.0	40S 40E 40M
8083	SWIMMING POOL MANAGEMENT & OPERATION	1.0	40S 40E 40M
8084	ARENA AND RINK MANAGEMENT	1.0	40S 40E 40M
8085	INTRO TO CUSTODIAL SERVICES	1.0	10S 10E 10M
8086	INTRO TO CUSTODIAL SERVICES	.5	15S 15E 15M
8087	FLOOR TYPES	1.0	20S 20E 20M
8088	FLOOR CARE	1.0	20S 20E 20M
8089	OPERATIONAL TASKS AND SCHEDULE	1.0	30S 30E 30M
8090	INSTITUTIONAL CLEANING	1.0	30S 30E 30M
8091	CARPET MAINTENANCE	1.0	30S 30E 30M
8092	CUSTODIAL PRACTICES	1.0	30S 30E 30M
8093	EMERGENCY RESPONSIBILITIES	1.0	40S 40E 40M
8094	GROUNDSKEEPING AND PEST CONTROL	1.0	40S 40E 40M
8095	WORKPLACE HEALTH AND SAFETY	1.0	40S 40E 40M
8096	POWER ENGINEERING	1.0	40S 40E 40M
8097	APPLIED CUSTODIAL SERVICES	1.0	40S 40E 40M

BUILDING OP & POWER ENGINEERING CVE(WTC ONLY)

Code	Description	Credits	Grade/Level
8880	INTRODUCTION TO H.I. TECH.	1.0	10S 10E 10M
8881	INTRODUCTION TO H.I. TECH.	.5	15S 15E 15M
8100	INTRO TO BUILDING OPERATIONS	1.0	40S 40E 40M
8101	INTRO TO BUILDING OPERATIONS	.5	45S 45E 45M
8102	SAFETY AND SECURITY PROCEDURES	1.0	40S 40E 40M
8103	CUSTODIAL PRACTICES	1.0	40S 40E 40M
8104	INTERIOR DECORATING	1.0	40S 40E 40M
8105	BASIC CARPENTRY SKILLS	1.0	40S 40E 40M
8106	BASIC PLUMBING SKILLS	1.0	40S 40E 40M
8107	GROUNDS MAINTENANCE	1.0	40S 40E 40M
8108	PREVENTATIVE MAINTENANCE	1.0	40S 40E 40M
8109	5TH CLASS POWER ENGINEERING	1.0	40S 40E 40M
8110	APPLIED OPERATIONS	1.0	40S 40E 40M
8111	HVAC EQUIPMENT	1.0	40S 40E 40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL   *(cont'd)*

CHILD CARE

Code	Description	Credits	Grade/Level
8884	INTRODUCTION TO H.S. TECH.	1.0	10S 10E 10M
8885	INTRODUCTION TO H.S. TECH.	.5	15S 15E 15M
8650	INTRO TO CHILD CARE	1.0	10S 10E 10M
8651	INTRO TO CHILD CARE	.5	15S 15E 15M
8652	INTRO TO INFANTS	1.0	20S 20E 20M
8653	INTRO TO PRESCHOOL	1.0	20S 20E 20M
8654	CHILDREN'S BEHAVIOUR	1.0	30S 30E 30M
8655	CURRICULUM IDEAS	1.0	30S 30E 30M
8656	HUMAN DEVELOPMENT	1.0	30S 30E 30M
8657	CHILD CARE TECHNIQUES	1.0	30S 30E 30M
8658	INTRO TO SCHOOL AGE	1.0	30S 30E 30M
8659	INTRO TO APPLIED CHILD CARE	1.0	30S 30E 30M
8660	HISTORICAL PERSPECTIVES	1.0	30S 30E 30M
8661	COMMUNICATION SKILLS	1.0	30S 30E 30M
8662	FAMILY DYNAMICS & CHILD ABUSE	1.0	40S 40E 40M
8663	CURRICULUM PLANNING	1.0	40S 40E 40M
8664	ADVANCED PRESCHOOL	1.0	40S 40E 40M
8665	ADVANCED SCHOOL AGE	1.0	40S 40E 40M
8666	APPLIED CHILD CARE	1.0	40S 40E 40M
8667	ADVANCED APPLIED CHILD CARE	1.0	40S 40E 40M
8668	H.S. TECH INITIATIVE	1.0	40S 40E 40M

COSMETOLOGY (HAIRSTYLING)

Code	Description	Credits	Grade/Level
8884	INTRODUCTION TO H.S. TECH.	1.0	10S 10E 10M
8885	INTRODUCTION TO H.S. TECH.	.5	15S 15E 15M
8680	INTRO TO HAIRSTYLING	1.0	20S 20E 20M
8681	INTRO TO HAIRSTYLING	.5	25S 25E 25M
8682	BASIC HAIRSTYLING	1.0	20S 20E 20M
8683	BASIC HAIR CUTTING & THERMAL STYLING	1.0	20S 20E 20M
8684	RELATED SALON SERVICES	1.0	20S 20E 20M
8685	HAIRSTYLING	1.0	30S 30E 30M
8686	PERMANENT WAVING & STRAIGHTENING	1.0	30S 30E 30M
8687	HAIR CUTTING	1.0	30S 30E 30M
8688	HAIR COLOURING	1.0	30S 30E 30M
8689	ADV. HAIR CUTTING, WAVING & STRATNG.	1.0	40S 40E 40M
8692	CERTIFICATE PREPARATION	1.0	40S 40E 40M
8693	ADV. HAIRSTYLING & COLOURING	1.0	40S 40E 40M
8694	SALON MGT & EMPLOYABILITY SKILLS	1.0	40S 40E 40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL   *(cont'd)*

COSMETOLOGY (NAIL TECHNICIAN)

Code	Description	Credits	Grade/Level
8759	BASICS OF NAIL TECHNOLOGY	1.0	20S 20E 20M
8760	MANICURES & PEDICURES	1.0	30S 30E 30M
8761	ARTIFICIAL NAILS	1.0	40S 40E 40M
8762	PRACTICE & STUDY OF NAILS	1.0	40S 40E 40M

DENTAL ASSISTING

Code	Description	Credits	Grade/Level
8884	INTRODUCTION TO H.S. TECH.	1.0	10S 10E 10M
8885	INTRODUCTION TO H.S. TECH.	.5	15S 15E 15M
8705	INTRO TO CLINICAL EXPERIENCE	1.0	10S 10E 10M
8706	INTRO TO CLINICAL EXPERIENCE	.5	15S 15E 15M
8707	DENTAL MATERIALS AND EQUIPMENT	1.0	20S 20E 20M
8708	DIAGNOSIS THEORY AND PRACTICE	1.0	20S 20E 20M
8709	INTRO TO CHAIRSIDE ASSISTING	1.0	30S 30E 30M
8710	MICROBIOLOGY AND STERILIZATION	1.0	30S 30E 30M
8711	INTERPERSONAL RELATIONS	1.0	30S 30E 30M
8712	LIFE SCIENCE	1.0	30S 30E 30M
8713	ADVANCED CLINICAL EXPERIENCE	1.0	40S 40E 40M
8714	DENTAL PRACTICE MANAGEMENT	1.0	40S 40E 40M
8715	ADVANCED CHAIRSIDE ASSISTING	1.0	40S 40E 40M
8716	APPLIED DENTAL ASSISTING	1.0	40S 40E 40M

DENTAL TECHNOLOGY

Code	Description	Credits	Grade/Level
8884	INTRODUCTION TO H.S. TECH.	1.0	10S 10E 10M
8885	INTRODUCTION TO H.S. TECH.	.5	15S 15E 15M
8720	INTRO TO DENTAL TECH	1.0	10S 10E 10M
8721	INTRO TO DENTAL TECH	.5	15S 15E 15M
8722	DENTAL MATERIALS AND ANATOMY	1.0	20S 20E 20M
8723	PARTIAL DENTURES	1.0	20S 20E 20M
8724	INTRO TO COMPLETE DENTURES	1.0	30S 30E 30M
8725	COMPLETE DENTURES IN UNISON	1.0	30S 30E 30M
8726	DENTURE RECONSTRUCTION	1.0	30S 30E 30M
8727	CHROME COBALT FRAMEWORKS	1.0	30S 30E 30M
8728	INLAYS, CROWNS & BRIDGES	1.0	40S 40E 40M
8729	PORCELAIN FUSED TO METAL	1.0	40S 40E 40M
8730	ADVANCED COMPLETE DENTURES	1.0	40S 40E 40M
8731	ORTHODONTICS	1.0	40S 40E 40M
8732	APPLIED DENTAL TECHNOLOGY	1.0	40S 40E 40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL   *(cont'd)*

ELECTRICITY

Code	Description	Credits	Grade/Level
8880	INTRODUCTION TO H.I. TECH.	1.0	10S 10E 10M
8881	INTRODUCTION TO H.I. TECH.	.5	15S 15E 15M
8125	INTRO TO ELECTRICITY	1.0	10S 10E 10M
8126	INTRO TO ELECTRICITY	.5	15S 15E 15M
8127	TWO ELEMENT DEVICES	1.0	20S 20E 20M
8128	THREE ELEMENT DEVICES	1.0	20S 20E 20M
8129	RESIDENTIAL WIRING	1.0	30S 30E 30M
8130	INDUSTRIAL WIRING	1.0	30S 30E 30M
8131	DC MACHINES	1.0	30S 30E 30M
8132	AC MACHINES	1.0	30S 30E 30M
8133	AC MOTOR CONTROLS	1.0	40S 40E 40M
8134	DIGITAL TECHNIQUES	1.0	40S 40E 40M
8135	THREE PHASE POWER	1.0	40S 40E 40M
8136	MICRO CONTROL	1.0	40S 40E 40M
8137	APPLIED ELECTRICITY	1.0	40S 40E 40M

FAMILY/COMMUNITY SERVICES & HEALTH PROGRAMS

Code	Description	Credits	Grade/Level
8884	INTRODUCTION TO H.S. TECH.	1.0	10S 10E 10M
8885	INTRODUCTION TO H.S. TECH.	.5	15S 15E 15M
8735	INTRO TO FAMILY & COMMUNITY	1.0	10S 10E 10M
8736	INTRO TO FAMILY & COMMUNITY	.5	15S 15E 15M
8737	DIMENSIONS OF LIFE	1.0	20S 20E 20M
8738	HUMAN REPRODUCTION	1.0	20S 20E 20M
8739	PRE-SCHOOL CHILDREN	1.0	30S 30E 30M
8740	PARENTING	1.0	30S 30E 30M
8741	HEALTH CARE	1.0	30S 30E 30M
8742	ANATOMY AND PHYSIOLOGY	1.0	30S 30E 30M
8743	HEALTH AND SAFETY	1.0	30S 30E 30M
8744	BABYSITTING	1.0	30S 30E 30M
8745	ADVANCED CHILD CARE	1.0	40S 40E 40M 42C
8746	ADVANCED HEALTH CARE	1.0	40S 40E 40M 42C
8747	BASIC NURSING THEORY	1.0	40S 40E 40M
8748	CRITICAL CARE SKILLS	1.0	40S 40E 40M
8749	APPLIED GERIATRIC CARE	1.0	40S 40E 40M 42C
8750	FOOD PREPARATION	1.0	40S 40E 40M
8751	ADVANCED TEXTILES	1.0	40S 40E 40M
8752	BEHAVIOUR MANAGEMENT	1.0	40S 40E 40M
8753	APPLIED FAMILY AND COMMUNITY	1.0	40S 40E 40M
8754	INTRO TO APPLIED HEALTH CARE	1.0	40S 40E 40M
8755	APPLIED HEALTH CARE	1.0	40S 40E 40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL   *(cont'd)*

FOOD SERVICES

Code	Description	Credits	Grade/Level
8884	INTRODUCTION TO H.S. TECH.	1.0	10S 10E 10M
8885	INTRODUCTION TO H.S. TECH.	.5	15S 15E 15M
8770	INTRO TO FOOD SERVICES	1.0	10S 10E 10M
8771	INTRO TO FOOD SERVICES	.5	15S 15E 15M
8772	FRUITS AND VEGETABLES	1.0	20S 20E 20M
8773	INTRO TO SOUPS, STOCKS AND SAUCES	1.0	20S 20E 20M
8774	INTRO TO BAKING AND DESSERTS	1.0	30S 30E 30M
8775	MEATS AND POULTRY	1.0	30S 30E 30M
8776	HOSPITALITY BASICS	1.0	30S 30E 30M
8777	FISH AND SEAFOOD	1.0	30S 30E 30M
8778	GARDE MANGER	1.0	30S 30E 30M
8779	BAKING INGREDIENTS	1.0	30S 30E 30M
8780	CAKE PRODUCTION & DECORATION	1.0	30S 30E 30M
8781	STANDARDIZED RECIPES	1.0	30S 30E 30M
8782	KITCHEN MANAGEMENT	1.0	40S 40E 40M
8783	ADVANCED BAKING AND DESSERTS	1.0	40S 40E 40M
8784	SPECIAL PRESENTATIONS	1.0	40S 40E 40M
8785	ADVANCED MEAT CUTTING	1.0	40S 40E 40M
8786	APPLIED FOOD SERVICES	1.0	40S 40E 40M
8787	SPECIAL PASTRIES	1.0	40S 40E 40M
8788	BAKERY MANAGEMENT	1.0	40S 40E 40M
8789	WEDDING/OCCASIONAL CAKES	1.0	40S 40E 40M

HEALTH CARE ASSISTANT CVE

Code	Description	Credits	Grade/Level
8884	INTRODUCTION TO H.S. TECH.	1.0	10S 10E 10M
8885	INTRODUCTION TO H.S. TECH.	.5	15S 15E 15M
8800	INTRO TO HEALTH CARE ASSISTANT	1.0	10S 10E 10M
8801	INTRO TO HEALTH CARE ASSISTANT	.5	15S 15E 15M
8802	THE LIFE CYCLE	1.0	40S 40E 40M 42C
8803	HUMAN RELATIONS	1.0	40S 40E 40M 42C
8804	SAFETY IN HEALTH CARE	1.0	40S 40E 40M 42C
8805	BODY MECHANICS AND MOVEMENT	1.0	40S 40E 40M
8806	NUTRITION AND HYGIENE	1.0	40S 40E 40M 42C
8807	PROCEDURES AND TREATMENTS	1.0	40S 40E 40M
8808	AGING AND RELATED DISORDERS	1.0	40S 40E 40M 42C
8809	LIFE MANAGEMENT	1.0	40S 40E 40M
8810	PALLIATIVE CARE	.5	45S 45E 45M
8811	CONCEPTS FOR PRACTICE	1.0	40S 40E 40M 42C
8812	PERSONAL CARE SKILLS AND NEEDS	1.0	40S 40E 40M 42C
8813	HEALTH & LIFESPAN DEVELOPMENT	.5	45S 45E 45M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL   *(cont'd)*

HEALTH SERVICES ADMISSIONS (WTC ONLY)

Code	Description	Credits	Grade/Level
8884	INTRODUCTION TO H.S. TECH.	1.0	10S 10E 10M
8885	INTRODUCTION TO H.S. TECH.	.5	15S 15E 15M
8815	INTRO TO HEALTHCARE ACCESS SERVICES	1.0	10S 10E 10M
8816	INTRO TO HEALTHCARE ACCESS SERVICES	.5	15S 15E 15M
8817	HEALTH CARE ENVIRONMENT	1.0	20S 20E 20M
8818	MEDICAL TERMINOLOGY	1.0	20S 20E 20M
8819	BASIC REGISTRATION PROCEDURES	1.0	30S 30E 30M
8820	MEDICO-LEGAL ISSUES	1.0	30S 30E 30M
8821	REPORTING TO THE CARE FACILITY	1.0	40S 40E 40M
8822	APPLIED HEALTHCARE ACCESS SERVICES	1.0	40S 40E 40M

HEAVY DUTY MECHANICS

Code	Description	Credits	Grade/Level
8880	INTRODUCTION TO H.I. TECH.	1.0	10S 10E 10M
8881	INTRODUCTION TO H.I. TECH.	.5	15S 15E 15M
8145	INTRO TO H.D. MECHANICS	1.0	10S 10E 10M
8146	INTRO TO H.D. MECHANICS	.5	15S 15E 15M
8147	DIESEL ENGINES	1.0	20S 20E 20M
8148	H.D. CHASSIS	1.0	20S 20E 20M
8149	SERVICING DIESELS	1.0	30S 30E 30M
8150	H.D. BRAKE SYSTEMS	1.0	30S 30E 30M
8151	DIESEL FUEL SYSTEMS	1.0	30S 30E 30M
8152	H.D. ELECTRICAL SYSTEMS	1.0	40S 40E 40M
8153	H.D. DRIVE TRAINS	1.0	40S 40E 40M
8154	H.D. HYDRAULIC SYSTEMS	1.0	40S 40E 40M
8155	APPLIED H.D. MECHANICS	1.0	40S 40E 40M

HORTICULTURE AND LANDSCAPING

Code	Description	Credits	Grade/Level
8880	INTRODUCTION TO H.I. TECH.	1.0	10S 10E 10M
8881	INTRODUCTION TO H.I. TECH.	.5	15S 15E 15M
8160	INTRO TO SOIL MANAGEMENT	1.0	10S 10E 10M
8161	INTRO TO SOIL MANAGEMENT	.5	15S 15E 15M
8162	SEED GERMINATION	1.0	20S 20E 20M
8163	CROP MANAGEMENT	1.0	20S 20E 20M
8164	PROPAGATION	1.0	30S 30E 30M
8165	FERTILIZER	1.0	30S 30E 30M
8166	PLANT IDENTIFICATION	1.0	30S 30E 30M
8167	APPLIED GREENHOUSE TECHNIQUES	1.0	30S 30E 30M
8168	HOUSE PLANT MAINTENANCE	1.0	40S 40E 40M
8169	DISEASE CONTROL	1.0	40S 40E 40M
8170	OUTSIDE MAINTENANCE	1.0	40S 40E 40M
8171	APPLIED HORTICULTURE	1.0	40S 40E 40M
8172	APPLIED LANDSCAPING	1.0	40S 40E 40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL   *(cont'd)*

HOTEL HOSPITALITY CVE

Code	Description	Credits	Grade/Level
8884	INTRODUCTION TO H.S. TECH.	1.0	10S 10E 10M
8885	INTRODUCTION TO H.S. TECH.	.5	15S 15E 15M
8825	BEVERAGE SERVICES	1.0	40S 40E 40M
8826	DINING ROOM SKILLS	1.0	40S 40E 40M
8827	FOOD PREPARATION	1.0	40S 40E 40M
8828	CUSTOMER SERVICES	1.0	40S 40E 40M
8829	HOTEL AND CONSUMER MATH	1.0	40S 40E 40M
8830	TOURISM	1.0	40S 40E 40M
8831	RECEPTION DESK SKILLS	1.0	40S 40E 40M
8832	HOUSEKEEPING SKILLS	1.0	40S 40E 40M
8833	MANAGEMENT SKILLS	1.0	40S 40E 40M
8834	APPLIED RECEPTION SERVICES	1.0	40S 40E 40M
8835	APPLIED FOOD PREP	1.0	40S 40E 40M
8836	APPLIED DINING ROOM SERVICES	1.0	40S 40E 40M
8837	APPLIED MANAGEMENT	1.0	40S 40E 40M

HUMAN SERVICES

Code	Description	Credits	Grade/Level
8884	INTRODUCTION TO H.S. TECH.	1.0	10S 10E 10M
8885	INTRODUCTION TO H.S. TECH.	.5	15S 15E 15M
8845	INTRO TO CLUSTER SHOPS	1.0	10S 10E 10M
8846	INTRO TO CLUSTER SHOPS	.5	15S 15E 15M
8847	INTRO TO SUPERHOST PROGRAM	1.0	20S 20E 20M
8848	FIRST AID AND CPR	1.0	20S 20E 20M
8849	SUPERHOST PROGRAM	1.0	30S 30E 30M
8850	WORLD OF WORK AND CLUSTER SHOP	1.0	30S 30E 30M
8851	APPLIED CLUSTER SHOPS	1.0	40S 40E 40M
8852	HUMAN SERVICES PROJECTS	1.0	40S 40E 40M
8853	APPLIED HUMAN SERVICES	1.0	40S 40E 40M

INDUSTRIAL CONTROLS AND AUTOMATION

Code	Description	Credits	Grade/Level
8880	INTRODUCTION TO H.I. TECH.	1.0	10S 10E 10M
8881	INTRODUCTION TO H.I. TECH.	.5	15S 15E 15M
8175	INTRO TO AUTOMATION	1.0	20S 20E 20M
8176	BASIC PLC'S	1.0	20S 20E 20M
8177	ADVANCED ELECTRONICS AND FLUIDICS	1.0	30S 30E 30M
8178	INTERMEDIATE PLC'S	1.0	30S 30E 30M
8179	ADVANCED PLC'S	1.0	40S 40E 40M
8180	PROCESS CONTROL	1.0	40S 40E 40M
8181	APPLIED CONTROLS AND AUTOMATION	1.0	40S 40E 40M

Code   Description   **Credits   Grade/Level**

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL   *(cont'd)*

INDUSTRIAL ELECTRICITY

Code	Description	Credits	Grade/Level		
8880	INTRODUCTION TO H.I. TECH.	1.0	10S	10E	10M
8881	INTRODUCTION TO H.I. TECH.	.5	15S	15E	15M
8185	INTRO TO INDUSTRIAL ELECTRICITY	1.0	10S	10E	10M
8186	INTRO TO INDUSTRIAL ELECTRICITY	.5	15S	15E	15M
8187	AC MACHINES AND TRANSFORMERS	1.0	20S	20E	20M
8188	INTRO TO MOTOR CONTROLS	1.0	20S	20E	20M
8189	CANADIAN ELECTRICAL CODE	1.0	30S	30E	30M
8190	INTERMEDIATE MOTOR CONTROLS	1.0	30S	30E	30M
8191	ADVANCED MOTOR CONTROLS	1.0	40S	40E	40M
8192	APPLIED IND. ELECTRICITY	1.0	40S	40E	40M

INDUSTRIAL MAINTENANCE TECHNICIAN

Code	Description	Credits	Grade/Level		
8880	INTRODUCTION TO H.I. TECH.	1.0	10S	10E	10M
8881	INTRODUCTION TO H.I. TECH.	.5	15S	15E	15M
8200	INTRO TO INDUSTRIAL MAINTENANCE	1.0	10S	10E	10M
8201	INTRO TO INDUSTRIAL MAINTENANCE	.5	15S	15E	15M
8202	BLUEPRINT MANAGEMENT	1.0	20S	20E	20M
8203	HAND AND POWER TOOLS	1.0	20S	20E	20M
8204	TRADE RELATED SCIENCE	1.0	30S	30E	30M
8205	LATHES, MILLS AND SHAPERS	1.0	30S	30E	30M
8206	FITTING AND ASSEMBLY	1.0	30S	30E	30M
8207	APPLIED HYDRAULICS AND PNEUMATICS	1.0	40S	40E	40M
8208	PREVENTATIVE MAINTENANCE	1.0	40S	40E	40M
8209	BASIC C.N.C. OPERATIONS	1.0	40S	40E	40M
8210	INTERMEDIATE C.N.C. OPERATIONS	1.0	40S	40E	40M
8211	APPRENTICESHIP PREPARATION	1.0	40S	40E	40M
8212	ALIGNMENT AND TROUBLESHOOTING	1.0	40S	40E	40M
8213	INDUSTRIAL MAINTENANCE TECH.	1.0	40S	40E	40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL   *(cont'd)*

MACHINE SHOP

Code	Description	Credits	Grade/Level
8880	INTRODUCTION TO H.I. TECH.	1.0	10S 10E 10M
8881	INTRODUCTION TO H.I. TECH.	.5	15S 15E 15M
8215	INTRO TO MACHINING TECH	1.0	10S 10E 10M
8216	INTRO TO MACHINING TECH	.5	15S 15E 15M
8217	BENCH METAL	1.0	20S 20E 20M
8218	DRILL PRESS AND POWER SAW	1.0	20S 20E 20M
8219	LATHE AND SHAPER	1.0	30S 30E 30M
8220	MILLING AND GRINDING	1.0	30S 30E 30M
8221	INTERMEDIATE LATHE	1.0	30S 30E 30M
8222	ADVANCED LATHE	1.0	30S 30E 30M
8223	ADVANCED MILLING	1.0	40S 40E 40M
8224	C.N.C. MACHINING	1.0	40S 40E 40M
8225	APPLIED MACHINING TECH	1.0	40S 40E 40M
8226	ADVANCED C.N.C.	1.0	40S 40E 40M

METALS AND AEROSPACE TECHNOLOGY

Code	Description	Credits	Grade/Level
8880	INTRODUCTION TO H.I. TECH.	1.0	10S 10E 10M
8881	INTRODUCTION TO H.I. TECH.	.5	15S 15E 15M
8250	INTRO TO AEROSPACE TECH	1.0	10S 10E 10M
8251	INTRO TO AEROSPACE TECH	.5	15S 15E 15M
8252	METAL MACHINES	1.0	20S 20E 20M
8253	AIRFRAME BASICS	1.0	20S 20E 20M
8254	AIRCRAFT STRUCTURES	1.0	30S 30E 30M
8255	AIRFRAME REPAIR	1.0	30S 30E 30M
8256	AIRCRAFT WELDING	1.0	40S 40E 40M
8257	APPLIED AEROSPACE TECH	1.0	40S 40E 40M
8258	INTRO. TO STRUCTURAL COMPONENTS	1.0	30S 30E 30M
8259	COMPOSITE FABRICATION	1.0	40S 40E 40M

MINERAL SCIENCE

Code	Description	Credits	Grade/Level
8880	INTRODUCTION TO H.I. TECH.	1.0	10S 10E 10M
8881	INTRODUCTION TO H.I. TECH.	.5	15S 15E 15M
8265	INTRO TO MINING TECH	1.0	10S 10E 10M
8266	INTRO TO MINING TECH	.5	15S 15E 15M
8267	SOLAR SYSTEM	1.0	20S 20E 20M
8268	SURVEYING LEVELS	1.0	20S 20E 20M
8269	ROCKS AND FOSSILS	1.0	30S 30E 30M
8270	SURVEY TRANSITS	1.0	30S 30E 30M
8271	INTRO TO CHEMICAL ENGINEERING	1.0	30S 30E 30M
8272	GEOLOGIC PROCESSES	1.0	40S 40E 40M
8273	APPLIED SURVEYING	1.0	40S 40E 40M
8274	INTRO TO CIVIL ENGINEERING	1.0	40S 40E 40M
8275	APPLIED MINERAL SCIENCE	1.0	40S 40E 40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL   *(cont'd)*

PHARMACY TECHNICIAN CVE

Code	Description	Credits	Grade/Level
8884	INTRODUCTION TO H.S. TECH.	1.0	10S 10E 10M
8885	INTRODUCTION TO H.S. TECH.	.5	15S 15E 15M
8860	INTRO TO PHARMACY TECH	1.0	10S 10E 10M
8861	INTRO TO PHARMACY TECH	.5	15S 15E 15M
8862	COMMUNICATION SKILLS	.5	45S 45E 45M
		1.0	40S 40E 40M
8863	MEDICAL TERMINOLOGY	.5	45S 45E 45M
		1.0	40S 40E 40M
8864	COMPOUNDS AND MEDICATION	1.0	40S 40E 40M
8865	INSTITUTIONAL PHARMACY PRACTICE	.5	45S 45E 45M
		1.0	40S 40E 40M
8866	PHARMACEUTICAL CALCULATIONS	1.0	40S 40E 40M
8867	CLASSIFICATION OF DRUGS	1.0	40S 40E 40M
8868	COMMUNITY PHARMACY PRACTICE	.5	45S 45E 45M
		1.0	40S 40E 40M
8869	PHARMACY LAW AND ETHICS	.5	45S 45E 45M
		1.0	40S 40E 40M
8870	STERILE PRODUCTS	1.0	40S 40E 40M
8871	APPLIED PHARMACY TECH	1.0	40S 40E 40M
8872	APPLIED PHARMACY TECHNICIAN II	1.0	40S 40E 40M
8873	APPLIED PHARMACY TECHNICIAN III	1.0	40S 40E 40M
8874	CLASSIFICATION OF DRUGS II	.5	45S 45E 45M

PLASTICS TECHNOLOGY

Code	Description	Credits	Grade/Level
8880	INTRODUCTION TO H.I. TECH.	1.0	10S 10E 10M
8881	INTRODUCTION TO H.I. TECH.	.5	15S 15E 15M
8280	INTRO TO PLASTICS	1.0	10S 10E 10M
8281	INTRO TO PLASTICS	.5	15S 15E 15M
8282	EXTRUSION TECHNOLOGY	1.0	20S 20E 20M
8283	INJECTION MOULDING	1.0	20S 20E 20M
8284	INTERMEDIATE FIBREGLASS TECH	1.0	30S 30E 30M
8285	ADVANCED COMPOSITE TECH	1.0	30S 30E 30M
8286	MOULD DESIGN AND CONSTRUCTION	1.0	30S 30E 30M
8287	FIBREGLASS PRODUCTION	1.0	30S 30E 30M
8288	ADVANCED THERMOSET TECH	1.0	40S 40E 40M
8289	THERMOPLASTIC TECHNOLOGIES	1.0	40S 40E 40M
8290	APPLIED PLASTICS TECH	1.0	40S 40E 40M
8291	APPLIED SPECIALTIES	1.0	40S 40E 40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL   *(cont'd)*

POWER MECHANICS

Code	Description	Credits	Grade/Level
8880	INTRODUCTION TO H.I. TECH.	1.0	10S 10E 10M
8881	INTRODUCTION TO H.I. TECH.	.5	15S 15E 15M
8295	INTRO TO POWER MECHANICS	1.0	10S 10E 10M
8296	INTRO TO POWER MECHANICS	.5	15S 15E 15M
8297	ENGINE FUNDAMENTALS	1.0	20S 20E 20M
8298	BASIC SERVICE	1.0	20S 20E 20M
8299	BRAKE SYSTEMS	1.0	30S 30E 30M
8300	FUEL SYSTEMS	1.0	30S 30E 30M
8301	ELECTRICAL SYSTEMS	1.0	30S 30E 30M
8302	DRIVE TRAINS	1.0	30S 30E 30M
8303	CHASSIS	1.0	30S 30E 30M
8304	ENGINE RECONDITIONING	1.0	30S 30E 30M
8305	EXHAUST AND EMISSIONS	1.0	30S 30E 30M
8306	AUTOMATIC TRANSMISSIONS	1.0	40S 40E 40M
8307	AUTOMOTIVE ELECTRONICS	1.0	40S 40E 40M
8308	CLIMATE CONTROL & ACCESSORIES	1.0	40S 40E 40M
8309	DIAGNOSIS AND CORRECTION	1.0	40S 40E 40M
8310	SPECIAL APPLICATIONS	1.0	40S 40E 40M
8311	APPLIED POWER MECHANICS	1.0	40S 40E 40M

REFRIGERATION AND AIR CONDITIONING

Code	Description	Credits	Grade/Level
8880	INTRODUCTION TO H.I. TECH.	1.0	10S 10E 10M
8881	INTRODUCTION TO H.I. TECH.	.5	15S 15E 15M
8325	INTRO TO REFRIGERATION	1.0	10S 10E 10M
8326	INTRO TO AIR CONDITIONING	.5	15S 15E 15M
8327	REFRIGERANTS	1.0	20S 20E 20M
8328	CONTROLS	1.0	20S 20E 20M
8329	COOLING FUNDAMENTALS	1.0	30S 30E 30M
8330	ELECTRICAL CONTROLS	1.0	30S 30E 30M
8331	EVAPORATORS	1.0	40S 40E 40M
8332	CONDENSERS	1.0	40S 40E 40M
8333	SYSTEM PERFORMANCE	1.0	40S 40E 40M
8334	APPLIED CONTROLS SERVICE	1.0	40S 40E 40M
8335	REFRIGERATION MATERIALS & FABRICATION	1.0	20S 20E 20M
8336	BASIC REFRIGERATION SYSTEMS	1.0	20S 20E 20M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL   *(cont'd)*

RESOURCES AND ENVIRONMENTAL MANAGEMENT

Code	Description	Credits	Grade/Level
8880	INTRODUCTION TO H.I. TECH.	1.0	10S 10E 10M
8881	INTRODUCTION TO H.I. TECH.	.5	15S 15E 15M
8340	INTRO TO RESOURCE MANAGEMENT	1.0	10S 10E 10M
8341	INTRO TO RESOURCE MANAGEMENT	.5	15S 15E 15M
8342	WOODS ORIENTATION	1.0	20S 20E 20M
8343	MAPPING AND SURVEYING	1.0	20S 20E 20M
8344	ECOLOGY AND FIELD BIOLOGY	1.0	30S 30E 30M
8345	HABITAT MANAGEMENT	1.0	30S 30E 30M
8346	SILVICULTURE	1.0	30S 30E 30M
8347	FOREST MANAGEMENT	1.0	30S 30E 30M
8348	ADVANCED FOREST MANAGEMENT	1.0	40S 40E 40M
8349	WILDLIFE MANAGEMENT	1.0	40S 40E 40M
8350	FISHERIES MANAGEMENT	1.0	40S 40E 40M
8351	HYDROLOGY	1.0	40S 40E 40M
8352	BIOSTATISTICAL ANALYSIS	1.0	40S 40E 40M
8353	APPLIED RESOURCE MANAGEMENT	1.0	40S 40E 40M
8354	BOTANY	1.0	30S 30E 30M
8355	GEOGRAPHICAL INFORMATION SYSTEMS	1.0	40S 40E 40M
8356	ADV. GEOGRAPHICAL INFORMATION SYSTEMS	1.0	40S 40E 40M
8357	PRECISION LAND MANAGEMENT	1.0	30S 30E 30M

SHEET METAL WORKS

Code	Description	Credits	Grade/Level
8880	INTRODUCTION TO H.I. TECH.	1.0	10S 10E 10M
8881	INTRODUCTION TO H.I. TECH.	.5	15S 15E 15M
8235	INTRO TO METALS	1.0	10S 10E 10M
8236	INTRO TO METALS	.5	15S 15E 15M
8237	MEASUREMENT AND LAYOUT TECHNIQUES	1.0	20S 20E 20M
8238	SHEET METAL PROCESSES	1.0	20S 20E 20M
8239	SKETCHING, PATTERNS AND BLUEPRINTS	1.0	30S 30E 30M
8240	ADVANCED PATTERN DEVELOPMENT	1.0	30S 30E 30M
8241	METAL ART DESIGN	1.0	30S 30E 30M
8242	ADVANCED DESIGNS IN METALWORK	1.0	40S 40E 40M
8243	APPLIED LAYOUT AND DESIGN	1.0	40S 40E 40M
8244	APPLIED METALS	1.0	40S 40E 40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
VOCATIONAL INDUSTRIAL   *(cont'd)*

WELDING

Code	Description	Credits	Grade/Level
8880	INTRODUCTION TO H.I. TECH.	1.0	10S 10E 10M
8881	INTRODUCTION TO H.I. TECH.	.5	15S 15E 15M
8360	INTRO TO WELDING	1.0	10S 10E 10M
8361	INTRO TO WELDING	.5	15S 15E 15M
8362	BASIC ACETYLENE WELDING	1.0	20S 20E 20M
8363	BASIC ARC WELDING	1.0	20S 20E 20M
8364	ADVANCED ACETYLENE WELDING	1.0	30S 30E 30M
8365	POSITIONAL ARC WELDING	1.0	30S 30E 30M
8366	INTRO TO M.I.G. WELDING	1.0	30S 30E 30M
8367	INTERMEDIATE M.I.G. WELDING	1.0	30S 30E 30M
8368	INTRODUCTION TO T.I.G.	1.0	30S 30E 30M
8369	ADVANCED ARC WELDING	1.0	40S 40E 40M
8370	ADVANCED M.I.G.	1.0	40S 40E 40M
8371	PROJECTS AND TESTING	1.0	40S 40E 40M
8372	APPLIED WELDING	1.0	40S 40E 40M
8373	APPLIED SPECIALTIES	1.0	40S 40E 40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
INDUSTRIAL ARTS

Code	Description	Credits	Grade/Level
0214	COMPREHENSIVE-TECHNOLOGY EDUCATION	.5	15G 15E 15M
0282	CONSTRUCTION	.0	7 8
0321	DRAFTING	.0	7 8
0361	ELECTRICITY/ELECTRONICS	.0	7 8
0443	GRAPHIC ARTS	.0	7 8
0444	GRAPHIC COMMUNICATIONS	.0	7 8
0611	METALWORK	.0	7 8
0613	MANUFACTURING	.0	7 8
0732	POWER MECHANICS	.0	7 8
0733	PLASTICS	.0	7 8
0734	POWER/ENERGY	.0	7 8
0950	WOODWORK	.0	7 8

DRAFTING

Code	Description	Credits	Grade/Level
7952	DRAFTING DESIGN TECHNOLOGY	.5	15G 15E 15M 25G 25E 25M
7953	DRAFTING DESIGN TECHNOLOGY	1.0	10G 10E 10M 20G 20E 20M 30S 30G 30E 30M 40S 40G 40E 40M
7997	APPLIED TECHNOLOGY	1.0	40S 40E 40M

ELECTRONICS

Code	Description	Credits	Grade/Level
7973	ELECTRICITY/ELECTRONICS TECHNOLOGY	.5	15G 15E 15M 25G 25E 35M
7974	ELECTRICITY/ELECTRONICS TECHNOLOGY	1.0	10G 10E 10M 20G 20E 20M 30S 30G 30E 30M 40S 40G 40E 40M
7997	APPLIED TECHNOLOGY	1.0	40S 40E 40M

GRAPHICS

Code	Description	Credits	Grade/Level
7958	GRAPHIC COMMUNICATION TECHNOLOGY	1.0	10G 10E 10M 20G 20E 20M 30S 30G 30E 30M 40S 40G 40E 40M
7959	GRAPHIC COMMUNICATIONS TECHNOLOGY	.5	15G 15E 15M 25G 25E 25M
7997	APPLIED TECHNOLOGY	1.0	40S 40E 40M

METALWORK

Code	Description	Credits	Grade/Level
7980	METALWORK TECHNOLOGY	1.0	10G 10E 10M 20G 20E 20M 30S 30G 30E 30M 40S 40G 40E 40M
7981	METALWORK TECHNOLOGY	.5	15G 15E 15M 25G 25E 25M
7997	APPLIED TECHNOLOGY	1.0	40S 40E 40M

POWER MECHANICS

Code	Description	Credits	Grade/Level
7965	POWER MECHANICS TECHNOLOGY	1.0	10G 10E 10M 20G 20E 20M 30S 30G 30E 30M 40S 40G 40E 40M
7966	POWER MECHANICS TECHNOLOGY	.5	15G 15E 15M 25G 25E 25M
7997	APPLIED TECHNOLOGY	1.0	40S 40E 40M

Code	Description	Credits	Grade/Level

TECHNOLOGY EDUCATION
INDUSTRIAL ARTS   *(cont'd)*

WOODWORK

7990	WOODWORK TECHNOLOGY	1.0	10G 10E 10M 20G 20E 20M 30S 30G 30E 30M 40S 40G 40E 40M
7991	WOODWORK TECHNOLOGY	.5	15G 15E 15M 25G 25E 25M
7994	CONSTRUCTION TECHNOLOGY	1.0	40S 40G 40E 40M
7995	FURNITURE DESIGN TECHNOLOGY	1.0	40S 40G 40E 40M
7996	MANUFACTURING TECHNOLOGY	1.0	40S 40G 40E 40M
7997	APPLIED TECHNOLOGY	1.0	40S 40E 40M