

PROGRAMS

Technical programs at Western Dakota Tech offer a wide array of career options. Students attending WDT know they receive the training that leads to immediate employment, a good salary, and professional satisfaction. Students are learning the skills they will need to enter the job market for the first time, to make a career change, to advance more quickly with their current employer, or to keep pace with technological change.

The programs at Western Dakota Tech are in step not only with today's job requirements, but also with the developments that will affect students in the future. Instructors are in touch with the realities of the working world. The equipment, facilities, and courses for each program are reviewed annually with the assistance of professional advisory board committee members.

This section contains an overview of each program along with the program outlines for each department. Program and general education course descriptions are located under Course Descriptions.

ACCOUNTING

ADMINISTRATIVE SERVICES

ALLIED HEALTH

BUSINESS MANAGEMENT & MARKETING

COLLISION REPAIR TECHNOLOGY

COMPUTER-AIDED DRAFTING TECHNICIAN

ELECTRICAL AND ELECTRONIC TECHNOLOGY

ENVIRONMENTAL ENGINEERING TECHNICIAN

FIRE SCIENCE

**HEALTH UNIT COORDINATOR/PATIENT CARE
TECHNICIAN**

HOT ROD TECHNOLOGY

LAW ENFORCEMENT TECHNOLOGY

MEDICAL ADMINISTRATIVE SERVICES

MEDICAL ASSISTANT

MEDICAL TRANSCRIPTION

PARALEGAL/LEGAL ASSISTANT

PARAMEDIC

PHARMACY TECHNICIAN

PHLEBOTOMY/LABORATORY ASSISTANT

PRACTICAL NURSING

PROGRAMMING & COMPUTER NETWORKING

PROGRAMMING/APPLICATION DEVELOPMENT

SURGICAL TECHNOLOGY

TRANSPORTATION TECHNOLOGY

WELDING MANUFACTURING

ACCOUNTING

Associate in Applied Science, 71 Credit Hours, 18-Month Program

The Accounting program will prepare students for entry-level positions in accounting-related employment opportunities by providing them with technical and social skills.

Because accountants and bookkeepers are an organization's financial record keepers and assistants to management, graduation from this two-year course with an AAS degree can lead to a number of good-paying employment opportunities. Students will learn the principles of accounting and the concepts behind the principles. Students receive up-to-date training on some of the latest software available. Payroll accounting, taxes, and managerial accounting are included in this program. With the general education and business courses required to obtain this degree, graduates are well equipped to compete for employment.

Course No.	Course Title	CREDITS
GENERAL EDUCATION REQUIREMENTS		
CIS 109	WORD, LEVEL I	1
CIS 112	EXCEL, LEVEL I	1
CIS 114	POWER POINT	1
CIS 130	INTRODUCTION TO 10-KEY	1
ECN 202	PRINCIPLES OF ECONOMICS (MACRO) <i>or</i>	3
ECN 204	PRINCIPLES OF MACROECONOMICS (ONLINE)	
ENGL 101	COMPOSITION* <i>or</i>	3
ENGL 203	TECHNICAL WRITING II** - online	
MATH 101	INTERMEDIATE ALGEBRA**	3
MATH 112	BUSINESS MATHEMATICS	3
ORT 010	ORIENTATION	1
PSYC 101	GENERAL PSYCHOLOGY <i>or</i>	3
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	
	Total	20
Technical Requirements		
ACCT 210	PRINCIPLES OF ACCOUNTING I	4
ACCT 211	PRINCIPLES OF ACCOUNTING II	4
ACCT 212	INTERMEDIATE ACCOUNTING I	4
ACCT 213	INTERMEDIATE ACCOUNTING II	4
ACCT 215	PAYROLL ACCOUNTING	3
ACCT 218	TAX ACCOUNTING I	3
ACCT 223	MANAGERIAL ACCOUNTING	3
ACCT 227	EXCEL FOR ACCOUNTING	3
ACCT 228	QUICKBOOKS ACCOUNTING	3
ACCT 290	INTERNSHIP <i>or</i>	3
ACCT 280	ETHICS IN ACCOUNTING AND BUSINESS	
BUS 134	WRITTEN COMMUNICATIONS FOR BUSINESS	4
BUS 136	ORAL COMMUNICATIONS IN BUSINESS	2
BUS 140	BUSINESS LAW	3
BUS 210	SUPERVISORY MANAGEMENT	3
BUS 224	PERSONAL FINANCE	3
BUS 226	PERSONAL INVESTMENTS	2
	Total	51

*Prerequisite: Acceptable COMPASS score or Basic Writing.

**Prerequisite: Acceptable COMPASS score or Elementary Algebra.

***Prerequisite: 30 wpm required or satisfactory completion of CIS100

Semester breakdown on next page

First Semester			Second Semester		
		CR			CR
ACCT 210	Principles of Accounting I	4	ACCT 211	Principles of Accounting II	4
BUS 136	Oral Communications	2	ACCT 215	Payroll Accounting	3
CIS 109	Word, Level I	1	ACCT 228	QuickBooks Accounting	3
CIS 112	Excel, Level I	1	BUS 134	Written Communications for	4
CIS 114	Power Point	1		Business	
CIS 130	Introduction to 10-Key	1	MATH 101	Intermediate Algebra	3
MATH 112	Business Math	3		Total Credit Hours	17
ORT 010	Orientation	1			
PSYC 101	General Psychology <i>or</i>	3			
PSYC 103	Human Relations in the				
	Workplace				
	Total Credit Hours	17			
Third Semester			Fourth Semester		
		CR			CR
ACCT 212	Intermediate Accounting I	4	ACCT 213	Intermediate Accounting II	4
ACCT 218	Tax Accounting I	3	ACCT 223	Managerial Accounting	3
ACCT 227	Excel for Accounting	3	ACCT 290	Internship <i>or</i>	3
BUS 210	Supervisory Management	3	ACCT 280	Ethics in Accounting and Business	
BUS 224	Personal Finance	3	BUS 140	Business Law	3
ENGL 101	Composition <i>or</i>	3	BUS 226	Personal Investments	2
ENGL 203	Technical Writing II - online		ECN 202	Principles of Economics-Macro <i>or</i>	3
	Total Credit Hours	19	ECN 204	Princ of Macro Economics - online	
				Total Credit Hours	18

ADMINISTRATIVE SERVICES

Diploma, 35 Credit Hours, 9-Month Program

Administrative Services personnel prepare reports, speeches, letters, and other business correspondence. They also utilize records management techniques, schedule appointments, answer telephone calls, record payments, and sometimes transcribe documents.

Course No.	Course Title	Credits
General Education Requirements		
CIS 109	WORD, LEVEL I	1
CIS 112	EXCEL, LEVEL I	1
CIS 113	EXCEL, LEVEL II	1
CIS 114	POWERPOINT, LEVEL I	1
CIS 116	ACCESS, LEVEL I	1
CIS 111	WORD, LEVEL II	1
ENGL 010	BASIC ENGLISH	3
MATH 112	BUSINESS MATHEMATICS	3
ORT 010	ORIENTATION	1
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	3
	Total	16
Technical Requirements		
BUS 134	WRITTEN COMMUNICATIONS FOR BUSINESS	4
BUS 136	ORAL COMMUNICATIONS FOR BUSINESS	2
BUS 137	PROFESSIONAL DEVELOPMENT	1
COC 110	KEYBOARDING I	3
COC 120	KEYBOARDING II	3
COC 132	RECORDS MANAGEMENT	3
	ELECTIVE	3
	Total	19

Semester Breakdown

First Semester			Second Semester		
		CR			CR
COC 110	Keyboarding I	3	BUS 134	Written Communications for Business	4
COC 132	Records Management	3	BUS 137	Professional Development	1
BUS 136	Oral Communications for Business	2	COC 120	Keyboarding II	3
CIS 109	Word, Level I	1	CIS 111	Word, Level II	1
CIS 112	Excel, Level I	1	CIS 113	Excel, Level II	1
CIS 114	PowerPoint, Level I	1	CIS 116	Access, Level I	1
ENGL 010	Basic English	3	PSYC 103	Human Relations in the Workplace	3
MATH 112	Business Math	3		Elective	3
ORT 010	Orientation	1		Total Credit Hours	17
	Total Credit Hours	18			

ALLIED HEALTH

Associate in Applied Science, 65 Credit Hours, 18-Month Program

Students entering the Allied Health AAS degree will also enter one or more WDT health programs. Each of the health programs has separate entry requirements students need to meet. Included in the diploma entry requirements are General Education course placement requirements. These placement requirements are not entry requirements into WDT programs, but are designed to place students initially into the most appropriate writing and math course or into preparatory courses. COMPASS test scores may also inform students they could succeed in a higher-level course than the required course when available.

The following curriculum is designed to fit the needs of students in the array of health programs at WDT. The technical requirements in some programs such as Surgical Technology will not fulfill the total technical requirements for this AAS degree. These students will supplement the technical elective courses with health courses. This will add to their skills in health occupations. Students in other health programs such as Practical Nursing will have technical requirements that exceed the technical requirements for this degree. Their total credits for the AAS degree will exceed the minimum requirements of 64 credits. These excess credit requirements will not exceed 68 credits.

Course No.	Course Title	Credits
General Education Requirements		
CHEM 106	Chemistry Survey	3
CHEM 106L	Chemistry Lab	1
CIS 109	Word, Level I	1
CIS 112	Excel, Level I	1
CIS 114	PowerPoint, Level I	1
ENGL 101	Composition*	3
ENGL 202	Technical Communication*	3
ENGL 201	Technical Writing I* <i>or</i>	3
SPCM 101	Fundamentals of Speech	
MATH 101	Intermediate Algebra** <i>or</i>	3
MATH 102	College Algebra	
ORT 100	Orientation	1
PSYC 101	General Psychology <i>or</i>	3
PSYC 103	Human Relations in the Workplace	
SOC 100	Introduction to Sociology	3
Total General Education Requirements		26
HC 113	Medical Terminology	2
HC 114	Anatomy & Physiology	3
ALH 200	See below for technical elective breakdown	
	Technical Requirements:	34
	Complete the technical requirements in at least one of the following health programs: Health Unit Coordinator, Medical Administrative Assistant, Pharmacy Technician, Phlebotomy/Laboratory Assistant, Practical Nursing, Surgical Technology.	
Total Technical Requirements (minimum)		39
Total Requirements for AAS (minimum)		65

*Prerequisite: Acceptable COMPASS score or Basic Writing.

**Prerequisite: Acceptable COMPASS score or Basic Math.

Technical Electives

ALH200 – Technical Electives

CPR100

HC145 Electronic Health Records

ALH203 – Technical Elective: Perioperative Concepts in Orthopedic Surgery

ALH204 – Technical Elective: Introduction to Care of the Perioperative Patient

ALH205 – Technical Elective: Introduction to Ophthalmic Surgery

See the program advisor for the appropriate technical electives for the following programs:

Health Unit Coordinator-16 Credits

Medical Administrative Services-6 Credits

Pharmacy Technician-6 Credits

Phlebotomy/Lab Assistant-17 Credits

BUSINESS MANAGEMENT & MARKETING

Associate in Applied Science, 72 Credit Hours, 18-Month Program

The Business Management and Marketing program prepares students for careers in business. The blending of extensive classroom instruction, in-the-field internships, and specialized projects allow students to develop skills required in business occupations.

Business Management and Marketing offers students opportunities for both financial and personal growth. Endless employment avenues are available with a business management and marketing degree. This program is also being offered online.

Course	No.	Course Title	Credits
General Education Requirements			
CIS	109	WORD, LEVEL I	1
CIS	112	EXCEL LEVEL I	1
CIS	114	POWER POINT I	1
ECN	202	PRINCIPLES OF ECONOMICS (MACRO) <i>or</i>	3
ECN	204	PRINCIPLES OF MACROECONOMICS (online)	
ENGL	101	COMPOSITION* <i>or</i>	3
ENGL	203	TECHNICAL WRITING II - online	
MATH	112	BUSINESS MATHEMATICS	3
ORT	010	ORIENTATION	1
PSYC	101	GENERAL PSYCHOLOGY <i>or</i>	3
PSYC	103	HUMAN RELATIONS IN THE WORKPLACE	
Total			16
Technical Requirements			
ACCT	210	PRINCIPLES OF ACCOUNTING I	4
ACCT	228	QUICKBOOKS ACCOUNTING	3
BUS	101	INTRODUCTION TO BUSINESS	3
BUS	120	PRINCIPLES OF MARKETING	3
BUS	134	WRITTEN COMMUNICATIONS FOR BUSINESS	4
BUS	136	ORAL COMMUNICATIONS FOR BUSINESS	2
BUS	137	PROFESSIONAL DEVELOPMENT	1
BUS	140	BUSINESS LAW	3
BUS	150	ADVERTISING	3
BUS	152	DESKTOP PUBLISHING FOR MARKETING I	3
BUS	156	WEBSITE DEVELOPMENT FOR BUSINESS	3
BUS	157	MULTIMEDIA FOR BUSINESS	3
BUS	160	PRINCIPLES OF SELLING	3
BUS	210	SUPERVISORY MANAGEMENT	3
BUS	224	PERSONAL FINANCE	3
BUS	225	RETAIL MANAGEMENT	3
BUS	233	SMALL BUSINESS ENTREPRENEURSHIP	3
BUS	240	ADVANCED COMPUTER APPLICATIONS FOR BUSINESS	4
BUS	290	INTERNSHIP <i>or</i>	2
BUS	226	PERSONAL INVESTMENTS	
Total			56

*Prerequisite: Acceptable COMPASS score or Basic Writing.

Semester breakdown on next page

Semester Breakdown

First Semester			Second Semester		
		CR			CR
BUS 101	Introduction to Business	3	BUS 120	Principles of Marketing	3
BUS 136	Oral Communications for Business	2	BUS 156	Website Development for Business	3
ACCT 210	Principles of Accounting I	4	BUS 134	Written Communications for Business	4
CIS 109	Word, Level I	1	BUS 137	Professional Development	1
CIS 112	Excel, Level I	1	BUS 140	Business Law	3
CIS 114	Power Point I	1	ACCT 228	QuickBooks Accounting	3
MATH 112	Business Mathematics	3		Total Credit Hours	17
ORT 010	Orientation	1			
PSYC 101	General Psychology <i>or</i>	3			
PSYC 103	Human Relations in the Workplace				
	Total Credit Hours	19			
Third Semester			Fourth Semester		
		CR			CR
BUS 152	Desktop Publishing for Marketing I	3	BUS 150	Advertising	3
BUS 160	Principles of Selling	3	BUS 157	Multimedia for Business	3
BUS 210	Supervisory Management	3	BUS 225	Retail Management	3
BUS 224	Personal Finance	3	BUS 233	Small Business Entrepreneurship	3
BUS 240	Advanced Computer Apps for Business	4	ECN 202	Principles of Economics (Macro) <i>or</i>	3
ENGL 101	Composition <i>or</i>	3	ECN 204	Principles of Macro Economics (online)	
ENGL 203	Technical Writing II - online		BUS 290	Internship <i>or</i>	2
	Total Credit Hour	19	BUS 226	Personal Investments	
				Total Credit Hours	17

COLLISION REPAIR TECHNOLOGY

Associate in Applied Science, 74 Credit Hours, 18-Month Program

The mission of Western Dakota Tech's Collision Repair Technology program is to conduct an academic, hands-on training program that provides highly qualified employees for entry-level positions in all categories of the professional auto-collision repair trade. This program will afford the student the opportunity to attain an Associate in Applied Science degree. A close working relationship will be maintained with a collision repair industry advisory council to keep abreast of the needs of future employers.

Costly damage to motor vehicles occurs from traffic accidents every day. Collision repair technicians straighten bent bodies, remove dents, and replace crumpled parts that are beyond repair. Collision repair work has variety and challenges—each damaged vehicle presents a different problem. Repairers must develop appropriate methods for each job, using their broad knowledge of automotive construction and repair techniques. Collegiate training is highly desirable because advances in technology have greatly changed the structure, components and materials used in automobiles. Formal training in collision repair can enhance opportunities for employment and promotion.

Course No.	Course Title	Credits
General Education Requirements		
CIS 109	WORD, LEVEL I	1
CIS 112	EXCEL, LEVEL I	1
CIS 114	POWERPOINT, LEVEL I	1
CPR 100	CPR/FIRST RESPONDER	1
ECN 202	PRINCIPLES OF ECONOMICS <i>or</i>	3
SOC 100	INTRODUCTION TO SOCIOLOGY	
ENGL 101	COMPOSITION*	3
ENGL 102	CAREER COMMUNICATIONS	2
MATH 104	TECHNICAL MATH**	3
ORT 010	ORIENTATION	1
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	3
Total		19
Technical Requirements		
ATB 112	SHOP ORIENTATION MAINT. & SAFETY	1
ATB 116	PANEL REPLACEMENTS & ADJUSTMENTS	4
ATB 119	BASIC SHEET METAL WORK	5
ATB 120	WELDING/EQUIPMENT	5
ATB 125	PANEL REPLACEMENT & ADJUSTMENTS II	5
ATB 137	PAINT DEFECTS/CAUSES AND CURES	2
ATB 138	ESTIMATING	3
ATB 139	REFINISHING	5
ATB 148	AUTO PLASTICS REPAIR	2
ATB 149	FINAL DETAILING	1
ATB 154	REFINISHING II	5
ATB 155	TINTING AND BLENDING	3
ATB 156	UNIBODY DIAGNOSING	5
ATB 157	CONVENTIONAL FRAME DIAGNOSTICS	4
ATB 158	TWO-TONE & TRI-COAT FINISHES	1
ATB 159	COMPETENCY PANEL	2
ATB 160	MASKING	2
Total		55

*Prerequisite: Acceptable COMPASS score or Basic Writing.

**Prerequisite: Acceptable COMPASS score or Basic Math.

Semester breakdown on next page

Semester Breakdown

First Semester			Second Semester		
		CR			CR
ATB 112	Shop Orientation, Maintenance & Safety	1	ATB 137	Paint Defects/Causes & Cures	2
ATB 116	Panel Replacement & Adjustments	4	ATB 138	Estimating	3
ATB 119	Basic Sheet Metal Work	5	ATB 139	Refinishing	5
ATB 120	Welding/Equipment	5	ATB 148	Auto Plastics Repair	2
MATH 104	Technical Math	3	ATB 149	Final Detailing	1
ORT 010	Orientation	1	ATB 160	Masking	2
	Total Credit Hours	19	CPR 100	CPR/First Responder	1
			CIS 109	Word, Level I	1
			CIS 112	Excel, Level I	1
			CIS 114	PowerPoint, Level I	1
				Total Credit Hours	19
Third Semester			Fourth Semester		
		CR			CR
ATB 154	Refinishing II	5	ATB 125	Panel Replacement & Adjustments II	5
ATB 155	Tinting and Blending	3	ATB 156	Unibody Diagnosing	5
ATB 158	Two-tone and Tri-coat Finishes	1	ATB 157	Conventional Frame Diagnostics	4
ATB 159	Competency Panel	2	ECN 202	Principles of Economics <i>or</i>	3
ENGL 101	Composition	3	SOC 100	Introduction to Sociology	
PSYC 103	Human Relations in the Workplace	3	ENGL 102	Career Communications	2
	Total Credit Hours	17		Total Credit Hours	19

COMPUTER-AIDED DRAFTING TECHNICIAN

Associate in Applied Science, 72 Credit Hours, 18-Month Program

The Computer-Aided Drafting Technician program prepares students for entry into the computer-aided drafting profession and for lifelong learning.

Goals:

1. Achieve working knowledge of AutoDesk CAD software and its applications
2. Have a working knowledge of theory specific to the discipline
3. Integrate “hands-on” and theory to complete assigned projects

Computer-aided architectural or mechanical drafters prepare technical drawings and plans used by production workers to build residential and commercial buildings or to build manufactured products such as industrial machinery or custom parts. Architectural drafters assist architects in the development of building plans by drafting technical plans and details that show the dimensions, construction material, and processes used for building projects. Mechanical drafters prepare detail and assembly drawings of a wide variety of machinery and mechanical devices, indicating dimensions, fastening methods, and other requirements. Civil drafters work on drawings for plot plans, survey plans, and roadways, among other things. Most civil drafters also work with GIS data that is becoming increasingly common in the industry.

Course No.	Course Title	Credits
General Education Requirements		
CIS 109	WORD, LEVEL I	1
CIS 112	EXCEL, LEVEL I	1
CIS 114	POWERPOINT, LEVEL I	1
ECN 202	PRINCIPLES OF ECONOMICS (MACRO) <i>or</i>	3
SOC 100	INTRO TO SOCIOLOGY	
ENGL 101	COMPOSITION* <i>or</i>	3
ENGL 201	TECHNICAL WRITING I	
ENGL 202	TECHNICAL COMMUNICATIONS	3
MATH 104	TECHNICAL MATHEMATICS**	3
ORT 010	ORIENTATION	1
PSYC 101	GENERAL PSYCHOLOGY <i>or</i>	3
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	
	Total	19
Technical Requirements		
CAD 101	DRAFTING FUNDAMENTALS	3
CAD 111	ARCHITECTURAL DRAFTING I	3
CAD 116	COMPUTERS FOR CAD	3
CAD 130	INTRODUCTION TO CAD	3
CAD 135	ARCHITECTURAL CONSTRUCTION THEORY I	3
CAD 201	INTERMEDIATE CAD	3
CAD 202	MECHANICAL DRAFTING	3
CAD 203	PRINCIPLES OF COMMERCIAL THEORY I	3
CAD 214	INTRODUCTION TO CIVIL DRAFTING	3
CAD 232	MECHANICAL PRINCIPLES	3
CAD 234	MECHANICAL PRINT READING	2
CAD 237	ARCHITECTURAL DRAFTING II	3
CAD 250	INTRODUCTION TO MAPPING/GPS	2
CAD 252	INTRODUCTION TO SURVEYING	3
CAR 216	BLUE PRINT READING	2
	Total	42
Technical Electives-Choose minimum 11 credits		
CAB 228	KITCHEN DESIGN & LAYOUT	4
CAD 215	LIGHT COMM CONST W/MECH & ELECTRICAL	3
CAD 221	MECHANICAL DIMENSIONING	3
CAD 222	PRINCIPLES OF COMMERCIAL THEORY II	3
CAD 239	ARCHITECTURAL DRAFTING III	3
CAD 242	COMPUTER AUTOMATED MANUFACTURING	2
CAD 244	3-D ENGINEERING DESIGN	3
CAD 251	INTRODUCTION TO GIS	3
CAD 298	PROFESSIONALISM	2
CAD 299	INTERNSHIP	2

*Prerequisite: Acceptable COMPASS score or Basic Writing.

**Prerequisite: Acceptable COMPASS score or Basic Math.

Semester breakdown on next page

Semester Breakdown

First Semester			Second Semester		
		CR			CR
CAD 101	Drafting Fundamentals	3	CAD 111	Architectural Drafting I	3
CAD 116	Computers for CAD	3	CAD 130	Introduction to CAD	3
CAD 135	Architectural Construction Theory I	3	CAD 232	Mechanical Principles	3
CAD 250	Introduction to Mapping/GPS	2	CAD 234	Mechanical Print Reading	2
CIS 109	Word, Level I	1	CAD 252	Introduction to Surveying	3
CIS 112	Excel, Level I	1	CAR 216	Blueprint Reading	2
CIS 114	PowerPoint, Level I	1	ENGL 101	Composition <i>or</i>	3
MATH 104	Technical Mathematics	3	ENGL 201	Technical Writing I	3
ORT 010	Orientation	1		Total Credit Hours	19
	Total Credit Hours	18			
Third Semester			Fourth Semester		
		CR			CR
CAD 201	Intermediate CAD	3		Required Courses	
CAD 202	Mechanical Drafting	3	ECN 202	Principles of Economics (Macro) <i>or</i>	3
CAD 203	Principles of Commercial Theory I	3	SOC 100	Introduction to Sociology	
CAD 214	Introduction to Civil Drafting	3	PSYC 101	General Psychology <i>or</i>	3
CAD 237	Architectural Drafting II	3	PSYC 103	Human Relations in the Workplace	
ENGL 202	Technical Communications	3		Technical Electives	
	Total Credit Hours	18	CAB 228	Kitchen Design & Layout	4
			CAD 215	Light Commercial Construction with Mechanical & Electrical	3
			CAD 221	Mechanical Dimensioning	3
			CAD 222	Principles of Commercial Theory II	3
			CAD 239	Architectural Drafting III	3
			CAD 242	Computer-Automated Mfg	2
			CAD 244	3-D Engineering Design	3
			CAD 251	Introduction to GIS	3
			CAD 298	Professionalism	2
			CAD 299	Internship	2
				(A minimum of 17 credit hours required for this semester – 11 elective credits)	

ELECTRICAL & ELECTRONIC TECHNOLOGY

Associate in Applied Science, 73 Credit Hours, 18-Month Program

This program provides in-depth instruction in the theories and principles of electricity and electrical construction. Strong math skills are a requirement. Principles of operation for electrical devices and equipment, and correct and safe operation of tools are covered. A typical job description for an Electrician may include typically working 40 hours per week; however, some jobs may require working evenings or weekends, ladder work, must be physically capable of climbing and working at heights, outside work and other physical work may be required.

The student will study and learn to interpret and apply the requirements of the National Electric Code. A solid background in the theory and technology of the electrical field will give you the knowledge and ability to install, maintain, trouble shoot, and the repair of electrical circuits and equipment.

The training gives you the flexibility to pursue different areas of employment as entry-level electricians. Most of lab time is spent on actual work sites and gaining real-life work experience.

Course No.	Course Title	Credits
General Education Requirements		
CIS 109	WORD, LEVEL I	1
CIS 112	EXCEL, LEVEL I	1
CIS 114	POWERPOINT, LEVEL I <i>or</i>	1
CIS 116	ACCESS LEVEL I	
CPR 100	CPR/FIRST RESPONDER	1
ECN 202	PRINCIPLES OF ECONOMICS (MACRO) <i>or</i>	3
SOC 100	INTRO TO SOCIOLOGY	
ENGL 102	CAREER COMMUNICATIONS	2
ENGL 201	TECHNICAL WRITING I	3
MATH 104	TECHNICAL MATHEMATICS**	3
ORT 010	ORIENTATION	1
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	3
	Total	19
Technical Requirements – Industrial Electronics		
ELT 123	BASIC SOLDERING FOR ELECTRONICS	1
ELT 217	COMPUTER HARDWARE INSTALLATION & TROUBLESHOOTING	4
IEL 110	DIRECT CURRENT CIRCUITS – THEORY & LAB	3
IEL 115	ALTERNATING CURRENT CIRCUITS- THEORY & LAB	3
IEL 123	INDUSTIRAL DATA COMMUNICATIONS	2
IEL 124	SOLID STATE DEVICES	3
IEL 127	BLUEPRINT READING	2
IEL 130	INTRO TO ELECTRICAL WIRING	2
IEL 135	BASIC ELECTRICAL MATERIALS AND DEVICES	1
IEL 140	WELDING & FABRICATION FOR LIGHT COMMERCIAL APPLICATIONS	2
IEL 226	ELECTRICAL MOTOR FUNDAMENTALS & MAINT	2
IEL 129	INTRO TO ELECTRICAL WIRING LAB	1
IEL 223	ELECTRICAL MOTOR FUNDAMENTALS & MAINT LAB	1
IEL 201	NATIONAL ELECTRICAL CODE I	3
IEL 213	ELECTRIC HEATING AND APPLIANCES	2
IEL 219	ELECTRICAL PLANNING & ESTIMATING	2
IEL 218	WIRING LAB I	3
IEL 211	ELECTRICAL MOTOR CONTROL	3
IEL 216	MOTOR CONTROL LAB	2
IEL 214	NATIONAL ELECTRICAL CODE II	2
IEL 221	PROGRAMMABLE LOGIC CONTROLLERS	2
IEL 222	PROGRAMMABLE LOGIC CONTROLLERS LAB	3
IEL 220	WIRING LAB II	3
IEL 224	POWER DISTRIBUTION	2
	Total	54

Technical Electives

AET 240	INTRODUCTION TO ALTERNATIVE POWER SYSTEMS	3
AET 242	ELECTRICAL CODE STUDY FOR ALTERNATIVE ENERGY	1
AET 245	ELECTRONIC CONTROLS	2
AET 246	ELECTRONIC CONTROLS LAB	2
AET 248	WIND & SOLAR POWER SYSTEMS THEORY	3
AET 249	WIND & SOLAR POWER SYSTEMS LAB	3
IEL 299	ELECTRICIAN INTERNSHIP/CO-OP	6

*Prerequisite: Acceptable COMPASS score or Basic Writing.

**Prerequisite: Acceptable COMPASS score or Basic Math.

Semester Breakdown

First Semester			Second Semester		
		CR			CR
ELT 123	Basic Soldering for Electronics	1	ELT 217	Computer Hardware Installation/Trouble shooting	4
IEL110	DC Circuits - Theory & Lab	3	IEL 123	Industrial Data Communication	2
IEL115	AC Circuits – Theory & Lab	3	IEL 129	Intro to Electrical Wiring Lab	1
IEL 124	Solid State Devices	3	IEL 130	Intro to Electrical Wiring	2
CIS 109	Word, Level I	1	IEL 135	Basic Electrical Materials and Devices	1
CIS 112	Excel, Level I	1	IEL 140	Welding & Fabrication for Lt Commercial Application	2
CIS 114	Power Point Level 1 <i>or</i>	1	IEL 226	Electrical Motor Fundamentals & Maint.	2
CIS 116	Access, Level I	1	IEL 223	Electrical Motor Fundamentals & Main Lab	1
CPR 100	CPR/First Responder	1	ENGL 201	Technical Writing	3
MATH 104	Technical Mathematics	3	Total Credit Hours	Total Credit Hours	18
ORT010	Orientation	1			
Total Credit Hours		18			
Third Semester			Fourth Semester		
		CR			CR
IEL 201	National Electrical Code I	3	IEL 127	Blueprint Reading	2
IEL 213	Electrical Heating & Appliances	2	IEL 214	National Electrical Code II	2
IEL 211	Electrical Motor Control	3	IEL 220	Wiring Lab II	3
IEL 216	Motor Control Lab	2	IEL 221	Programmable Logic Controllers-PLC's	2
IEL 218	Wiring Lab I	3	IEL 222	PLC Labs	3
IEL 219	Electrical Planning & Estimating	2	IEL 224	Power Distribution	2
ECN 202	Prin of Economics-Macro <i>or</i>	3	ENGL 102	Career Communications	2
SOC 100	Intro to Soc		PSYC 103	Human Relations in the Workplace	3
IEL 299	Optional Electrician Internship/CO-OP	(6)	Total Credit Hours	Total Credit Hours	19
Total Credit Hours		18/			
		(24)			

ENVIRONMENTAL ENGINEERING TECHNICIAN

Associate in Applied Science, 71-73 Credit, 18-month Program

The Environmental Engineering Technician program is designed to prepare students for work in an exciting and growing field. As our population grows, society puts an ever increasing demand on our natural resources. Program graduates primarily work outdoors in the field, collecting information used to assess how increased demand affects the quality and quantity of our nation's natural resources. Our graduates work in a broad range of jobs such as collecting and analyzing water and soil samples, measuring stream flow and groundwater levels, and conducting soils testing. The work can be physically demanding, requiring technicians to climb or hike long distances, carrying equipment to remote locations. Field work often entails working under varying climatic conditions such as hot summers or cold winters. Technicians may be required to drive off-road vehicles such as 4-wheelers and snowmobiles, or even ride horses, boats or helicopters, to access some remote sampling sites.

Upon graduation, students can be employed with federal, state, county, and city environmental departments, water treatment facilities, or with private businesses such as consulting engineers, mining companies, and testing labs.

Students will gain experience in environmental sampling and monitoring throughout the program. Field Engineering courses provide students with an excellent balance of theory and hands-on experience that will enable them, upon graduation, to conduct environmental investigations under the supervision of professional Geologists, Engineers or Hydrologists. Courses such as Soil Testing, Field Instrumentation, Hydrology, and Field Methods, provide students with hands-on experience. Some of the other required courses in the program include Mapping, Global Positioning Systems, Surveying, and Geographic Information Systems. In addition, students take courses in communications, human relations, computers, and mathematics that will provide them with the skills necessary to advance in their careers.

Course No.	Course Title	Credits
General Education Requirements		
CIS 109	WORD, LEVEL I	1
CIS 112	EXCEL, LEVEL I	1
CIS 114	POWERPOINT, LEVEL I	1
CPR 100	CPR/FIRST RESPONDER	1
CHEM 106	CHEMISTRY SURVEY	3
CHEM 106L	CHEMISTRY SURVEY LAB	1
ECN 202	PRINCIPLES OF ECONOMICS (MACRO) <i>or</i>	3
SOC 100	INTRODUCTION TO SOCIOLOGY	
ENGL 101	COMPOSITION* <i>or</i>	3
ENGL 201	TECHNICAL WRITING I	
ENGL 202	TECHNICAL COMMUNICATIONS	3
MATH 101	INTERMEDIATE ALGEBRA**	3
MATH 120	TRIGONOMETRY	3
ORT 010	ORIENTATION	1
PSYC 101	GENERAL PSYCHOLOGY <i>or</i>	3
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	
	Total	27
Technical Requirements		
CAD 250	INTRODUCTION TO MAPPING/GPS	2
CAD 251	INTRODUCTION TO GIS	3
CAD 252	INTRODUCTION TO SURVEYING	3
CNS 100	INTRODUCTION TO ELECTRICITY & DIGITAL LOGIC	2
FET 102	ENVIRONMENTAL INSTRUMENTATION	4
FET 105	INTRODUCTION TO ENVIRONMENTAL SCIENCES	4
FET 106	INTRODUCTORY FIELD METHODS	3
FET 110	SOILS TESTING	3
FET 111	ENVIRONMENTAL GEOLOGY	3
FFT 118	40 HOUR HAZWOPPER CERTIFICATION	2
FETE 202	WATER QUALITY	3
FETE 205	PRINCIPLES OF HYDROLOGY	3
FETE 204	ENVIRONMENTAL REGULATION	2
FETE 222	INTRO TO WASTEWATER TECHNOLOGIES <i>or</i>	3
FETG 235	CONSTRUCTION MATERIALS SAMPLING & TESTING	4
FET 298	TECHNICAL COOPERATIVE WORK EXPERIENCE	
FET 299	INTERNSHIP (OPTIONAL)	2
	Total	44/46

*Prerequisite: Acceptable COMPASS score or Basic Writing.

**Prerequisite: Acceptable COMPASS score or Elementary Algebra.

Semester Breakdown on next page

Semester Breakdown

First Semester			Second Semester		
		CR			CR
FET 105	Intro to Environmental Sciences	4	FET 102	Environmental Instrumentation	4
FET 106	Introductory Field Methods	3	CAD 251	Introduction to GIS	3
FFT 118	40 Hr Hazwopper Certification	2	CNS 100	Intro to Electricity & Digital Logic	2
CAD 250	Introduction to Mapping/GPS	2	MATH 101	Intermediate Algebra**	3
CPR 100	CPR/First Responder	1	ECN 202	Principles of Economics (Macro) <i>or</i>	3
CIS 109	Word, Level I	1	SOC 100	Introduction to Sociology	
CIS 112	Excel, Level I	1		Total Credit Hours	15
CIS 114	PowerPoint, Level I	1			
ORT 010	Orientation	1			
PSYC 101	General Psychology <i>or</i>	3			
PSYC 103	Human Relations in the Workplace				
	Total Credit Hours	19			
Third Semester			Fourth Semester		
		CR			CR
FETE 202	Water Quality	3	FET 110	Soils Testing	3
FETE 205	Principles Of Hydrology	3	FET 111	Environmental Geology	3
FETE 204	Environmental Regulation	2	FETG 235	Construction Materials Sampling & Testing	4
CHEM 106	Basic Chemistry Survey	3	FET 298	Technical Cooperative Work Experience	
CHEM 106L	Survey Lab	1		<i>or</i>	
MATH 120	Trigonometry	3	FETE 222	Intro to Wastewater Technologies	3
ENGL 101	Composition <i>or</i>	3	ENGL 202	Technical Communications	3
ENGL 201	Technical Writing I		CAD 252	Introduction to Survey	3
	Total Credit Hours	18		Total Credit Hours	19
Optional Summer Semester					
		CR			
FET 299	Internship	2			
	Total Credit Hours	2			

FIRE SCIENCE

Associate in Applied Science, 68-72 Credit, 18-month Program

The Fire Science program prepares students for careers in the wildland and structural fire service. The combination of classroom instruction, extensive hands on training, in-the-field experience, and internships allow the student to develop skills required for successful employment in the fire service.

This program is designed to meet the specific needs of municipal and wildland firefighting agencies in the Great Plains and Black Hills regions. Completion of the program will result in a firefighter well-prepared to work on a fire in the hills or respond to a large structural fire. The successful student will achieve numerous State and National certifications.

Course No.	Course Title	Credits
General Education Requirements		
CIS 109	WORD, LEVEL I	1
CIS 112	EXCEL, LEVEL I	1
CIS 114	POWERPOINT, LEVEL I	1
ENGL 101	COMPOSITION <i>*or</i>	3
ENGL 201	TECHNICAL WRITING I	
ENGL 202	TECHNICAL COMMUNICATIONS	3
MTH 100	ELEMENARY ALGEBRA** (OR HIGHER)	3
ORT 010	ORIENTATION	1
PSYC 101	GENERAL PSYCHOLOGY <i>or</i>	3
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	
SOC 100	INTRODUCTION TO SOCIOLOGY	3
Total		19
Technical Requirements		
FFT 100	WILDLAND FIREFIGHTER I	3
FFT 102	RESCUE I	3
FFT 105	PHYSICAL EDUCATION I	2
FFT 106	STRUCTURE FIREFIGHTER	6
FFT 110	BUILDING CONSTRUCTION	3
FFT 111	FORESTRY	3
FFT 116	HAZARDOUS MATERIALS OPERATIONS	3
FFT 203	FIREFIGHTER FITNESS TESTING	1
FFT 205	STRUCTURE FIRE ORIGIN & CAUSE	2
FFT 206	WILDLAND FIRE SERVICE DRIVING <i>or</i>	1
FFT 209	EMERGENCY VEHICLE OPERATIONS (EVOC)	
FFT 210	WILDLAND FIREFIGHTER II	2
FFT 215	WILDLAND URBAN INTERFACE FIREFIGHTING	3
FFT 218	STRATEGY & TACTICS	3
FFT 222	ADVANCED WILDLAND FIREFIGHTER	3
FFT 299	INTERNSHIP	2-6
CPR 103	INTRODUCTION TO EMERGENCY MEDICAL TECHNICIAN	6
Total		46-50
Electives for all Fire Science Students		
FFT 112	PUBLIC FIRE EDUCATION	3
FFT 117	FIRE CODES & INSPECTION PROCEDURES	3
FFT 202	RESCUE II	3
FFT 204	DRIVER OPERATOR	3
FFT 207	FIRE INVESTIGATION – WILDLAND	1
FFT 212	ARFF (AIRCRAFT RESCUE FIREFIGHTING)	3
FFT 221	FIRE OFFICER I	3
FFT 223	PROTECTIVE SYSTEMS (STRUCTURE)	2
FFT 224	FIRE SERVICE INSTRUCTOR	1
FFT 227	HAZARDOUS MATERIALS TECHNICIAN	3
FFT 228	URBAN SEARCH & RESCUE (STRUCTURE COLLAPSE TRAINING)	3
FFT 229	INDUSTRY STANDARDS FIRE SCIENCE	3
FFT 231	FIRE OFFICER II	3
CAD 250	INTRODUCTION TO MAPPING/GPS	2

*Prerequisite: Acceptable COMPASS score or Basic Writing.

**Prerequisite: Acceptable COMPASS score or Basic Math.

Semester Breakdown

First Semester			Second Semester		
		CR			CR
FFT 100	Wildland Firefighter I	3	FFT 111	Forestry	3
FFT 105	Physical Education	2	FFT 206	Wildland Driver Operator <i>or</i>	1
FFT 106	Structural Firefighter	6	FFT 209	EVOC	
ORT 010	Orientation	1	FFT 210	Wildland Firefighter II	2
MTH 100	Elementary Algebra	3	CPR 103	Introduction to EMT	6
PSYC 101	General Psychology	3	CIS 109	Word, Level I	1
	Total Credit Hours	18	CIS 112	Excel, Level I	1
			CIS 114	PowerPoint, Level I	1
			ENGL 101	Composition <i>or</i>	3
			ENGL201	Technical Writing I	
				Total Credit Hours	18
Third Semester			Fourth Semester		
		CR			CR
FFT 102	Rescue I	3	FFT 110	Building Construction	3
FFT 203	Fire Fighter Fitness Testing	1	FFT 116	Hazardous Materials Operation	3
FFT 205	Structure Fire Origin & Cause	2	FFT 215	Wildland/Urban Interface	3
FFT 222	Advanced Wildland Firefighter	3	FFT 218	Strategy & Tactics	3
SOC 100	Intro to Sociology	3	FFT 299	Internship	2-6
ENGL 202	Technical Communications	3		Electives	0-4
	Electives	3		Total Credit Hours	18
	Total Credit Hours	18		(minimum of 18 credits)	

HEALTH UNIT COORDINATOR/PATIENT CARE TECHNICIAN

Diploma, 36 Credit Hours, 9-Month Program

The Health Unit Coordinator/Patient Care Technician program prepares students for employment as entry-level health unit coordinators and patient care techs in healthcare settings.

Health Unit Coordinators (HUC) coordinate patient services in healthcare facilities. They function under the supervision of an RN responsible for the management of a nursing unit. The HUC is crucial to the communications of a healthcare unit. They initiate records for new patients; record information from nursing records and other departmental records; use medical terminology, abbreviations and symbols appropriately; transcribe physicians orders; perform clerical functions for admission; discharge and transfer patients, maintain unit supplies; and communicate with other departments by way of telephone, intercom, pagers, tube systems, and computer. Patient Care Technicians give basic nursing care under the supervision of a licensed nurse. In this career, you will perform catheterizations, record vital signs and patient treatments, and perform other patient care tasks. Patient Care Technicians also perform cardiac diagnostic tests and procedures such as 12-lead EKGs and telemetry monitoring of the heart's electrical impulses.

This program consists of courses in HUC practices and clinical experiences, medical terminology, pharmacology, health concepts, information management skills, and general education. The graduate is awarded a diploma and is eligible to write the National Examination for Certification as a Health Unit Coordinator. The role of the HUC is well established in our healthcare delivery system. They are employed by hospitals, nursing homes, clinics, and other healthcare settings.

Employment opportunities for Health Unit Coordinators and Patient Care Technicians are expected to expand rapidly over the next decade. There is an expected increase of more than 25% in the number of positions for health unit coordinators through the year 2010. Starting wages in South Dakota are \$8.10 to \$12.00 per hour.

Course No.	Course Title	Credits
General Education Requirements		
CIS 100	INTRODUCTION TO KEYBOARDING	1
CIS 109	WORD, LEVEL I	1
CIS - - -	CIS ELECTIVE	1
CPR 100	CPR/FIRST RESPONDER	1
ENGL 102	CAREER COMMUNICATIONS	2
MATH 090	BASIC MATHEMATICS <i>or higher</i>	2
ORT 010	ORIENTATION	1
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	3
	Total	12
Technical Requirements		
HC 113	MEDICAL TERMINOLOGY FOR THE HEALTH PROFESSIONS	2
HC 114	ANATOMY & PHYSIOLOGY FOR THE HEALTH PROFESSIONS	3
HC 140	CARDIAC MONITORING	2
HC 145	ELECTRONIC HEALTH RECORDS	2
HUC 101	INTRO TO HEALTH UNIT COORDINATING	2
HUC 135	HEALTH UNIT COORDINATING PROCEDURES	2
HUC 140	HEALTH UNIT COORDINATING LAB	2
HUC 298	HUC CLINICAL	2
PCT 110	PATIENT CARE TECH I	2
PCT 111	PATIENT CARE TECH I LAB	1
PCT 120	PATIENT CARE TECH II	2
PCT 299	PATIENT CARE TECH CLINICAL	2
	Total	24

Semester Breakdown

First Semester			Second Semester		
		CR			CR
HUC 101	Intro to Health Unit Coordinating	2	HC 140	Cardiac Monitoring	2
HC 113	Medical Terminology	2	HC 145	Electronic Health Records	2
HC 114	Anatomy & Physiology	3	HUC 135	Health Unit Coordinating Procedures	2
PCT 110	Patient Care Tech I	2	HUC 140	Health Unit Coordinating Lab	2
PCT 111	Patient Care Tech I Lab	1	HUC 298	HUC Clinical	2
CPR 100	CPR/First Responder	1	PCT 120	Patient Care Tech II	2
CIS 100	Introduction to Keyboarding	1	PCT 299	Patient Care Tech Clinical	2
CIS 109	Word, Level I	1	ENGL 102	Career Communications	2
CIS - - -	Elective	1	MATH 090	Basic Mathematics <i>or higher</i>	2
ORT 010	Orientation	1		Total Credit Hours	18
PSYC 103	Human Relations in the Workplace	3			
	Total Credit Hours	18			

HOT ROD TECHNOLOGY

Associate in Applied Science, 66-69 Credit Hours, 18-Month Program

The mission of Western Dakota Tech's Hot Rod Technology program is to conduct an academic, hands-on training program that provides highly qualified employees for entry-level positions in all categories of the professional auto-restoration and customization trade. This program will afford the student the opportunity to attain an associate in applied science degree or diploma. A close working relationship will be maintained with a hot rod and custom car industry advisory council to keep abreast of the needs of future employers.

Course No.	Course Title	Credits
General Education Requirements		
CIS 109	WORD, LEVEL I	1
CIS 112	EXCEL, LEVEL I	1
CIS 114	POWERPOINT, LEVEL I	1
CPR 100	CPR/FIRST RESPONDER	1
ECN 202	PRINCIPLES OF ECONOMICS <i>or</i>	3
SOC 100	INTRODUCTION TO SOCIOLOGY	
ENGL 101	COMPOSITION* <i>or</i>	3
ENGL 201	TECHNICAL WRITING I	
ENGL 102	CAREER COMMUNICATIONS <i>or</i>	2/3
ENGL 202	TECHNICAL COMMUNICATIONS	
MATH 104	TECHNICAL MATH <i>or**</i>	3
MATH 101	INTERMEDIATE ALGEBRA	
ORT 010	ORIENTATION	1
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	3
Total		19/20
Technical Requirements (any 3 of the following)		
HRT 100	HOT ROD CHASSIS FABRICATION	16
HRT 110	HOT ROD BODY FABRICATION	16
HRT 200	HOT ROD REFINISHING	15
HRT 210	HOT ROD PERFORMANCE	18
HRT 220	HOT ROD UPHOLSTERY	16
Total		47-50

*Prerequisite: Acceptable COMPASS score or Basic Writing.

**Prerequisite: Acceptable COMPASS score or Basic Math.

Semester Breakdown

First Semester			Second Semester		
		CR			CR
HRT	ANY CLASS	15-18	HRT	ANY CLASS	15-18
CPR 100	CPR/First Responder	1			
ORT 010	Orientation	1			
Total Credit Hours		17-20	Total Credit Hours		15-18
Third Semester			Fourth Semester		
		CR			CR
HRT	ANY CLASS	15-18	ECN 202	Principles of Economics <i>or</i>	3
CIS 109	Word, Level I	1	SOC 100	Introduction to Sociology	
CIS 112	Excel, Level I	1	ENGL 101	Composition <i>or</i>	3
CIS 114	Power Point, Level I	1	ENGL 201	Technical Writing I	
Total Credit Hours		18-21	ENGL 102	Career Communications <i>or</i>	2/3
			ENGL 202	Technical Communications	
			MATH 104	Technical Math	3
			PSYC 103	Human Relations in the Workplace	3
Total Credit Hours			Total Credit Hours		14/15

LAW ENFORCEMENT TECHNOLOGY

Associate in Applied Science, 74 Credit Hours, 18-Month Program

The mission of the Law Enforcement Technology program is to prepare students with the knowledge and skills necessary for employment as an entry-level law enforcement officers, as assessed through student competency evaluations and employer/student satisfaction surveys.

A law enforcement officer is an official representative of government who is entrusted with a wide variety of duties. Regardless of the type and size of the organization they work for, law enforcement officers are expected to perform in a professional manner. The highly competitive nature of obtaining most law enforcement positions requires applicants to be prepared academically, be physically fit, as well as have the hands-on skills necessary to do the job. Many entry-level applicants for law enforcement positions are encouraged or required to have completed at least two years of formal postsecondary education. The WDT Law Enforcement program will help prepare students with these requirements.

To gain successful entrance to the WDT Law Enforcement program, applicants must have an acceptable criminal background and be of good moral character. Items that will definitely exclude them from consideration are felony convictions, misdemeanor convictions concerning moral turpitude, domestic violence, and recent drug usage, to name a few. Applicants must have a current valid driver's license. In addition, they must not have any medical conditions that would prevent them from engaging in the day-to-day activities a law enforcement officer may have to perform. This includes, but is not limited to, running, jumping, standing for long periods of time, driving, handling firearms, and engaging in strenuous physical activity. The training at WDT includes all of these aspects. This is not a strictly academic program. It has an extensive hands-on component to it.

From an academic viewpoint, it is important to be properly prepared in the basic English skills of grammar, spelling, and reading. In the area of math, applicants must be prepared in both basic math skills and algebra. To gain acceptance into the LET program, applicants must:

1. Make application to WDT and take the COMPASS test or have an acceptable ACT/SAT
2. Successfully pass a criminal background check
3. Undergo a personal interview which takes about one hour
4. Pass a pre-entrance drug screen

Course requirements on next page.

Course No.	Course Title	Credits
General Education Requirements		
CIS 109	WORD, LEVEL I	1
CIS 112	EXCEL, LEVEL I	1
CIS 114	POWERPOINT, LEVEL I	1
CPR 106	EMERGENCY RESPONDER	2
SOC 100	INTRO TO SOCIOLOGY	3
ENGL 201	TECHNICAL WRITING I*	3
ENGL 202	TECHNICAL COMMUNICATIONS	3
MTH 100	ELEMENTARY ALGEBRA**	3
ORT 010	ORIENTATION	1
PSYC 101	GENERAL PSYCHOLOGY	3
	Total	19
Technical Requirements		
LET 110	INTRO & OCCUPATIONAL SOCIOLOGY OF LE	3
LET 112	CONSTITUTIONAL LAW	3
LET 117	INDUSTRY STANDARDS	0
LET 118	SPANISH FOR LAW ENFORCEMENT ABC	3
LET 119	CRIMINAL LAW & PROCEDURES	3
LET 120	MECHANICS OF ARREST/PHYSICAL TRAINING	2
LET 121	CRIMINAL INVESTIGATIONS	4
LET 122	INTERVIEW & INTERROGATION/REPORT WRITING	3
LET 124	JUVENILE METHODS	3
LET 126	PHYSICAL TRAINING	1
LET 127	INDUSTRY STANDARDS	0
LET 212	ACCIDENT INVESTIGATIONS	2
LET 213	CRIMINOLOGY & ABNORMAL BEHAVIOR	3
LET 215	COLLECTION/PRESERVATION OF EVIDENCE	3
LET 216	PHYSICAL TRAINING	1
LET 217	INDUSTRY STANDARDS	0
LET 218	PATROL PROCEDURES I	3
LET 222	ADVANCED ISSUES IN POLICING	2
LET 224	LAW ENFORCEMENT PRACTICUM	2
LET 226	PHYSICAL TRAINING	1
LET 227	INDUSTRY STANDARDS	0
LET 228	CORRECTIONS/PAROLE	2
LET 230	PATROL PROCEDURES II	3
LET 232	TECHNOLOGY IN LAW ENFORCEMENT	2
LET 251	FIREARMS TRAINING	2
LET 252	EMERGENCY VEHICLE OPERATION COURSE	2
	Total	55

*Prerequisite: Acceptable COMPASS score or Basic Writing.

**Prerequisite: Acceptable COMPASS score or Basic Math.

Note: If you have been convicted, pled guilty or no contest to, or received a suspended imposition of sentence for a felony or other criminal offense (excluding minor traffic violations) you are advised that it may not be possible for you to participate in the internship or clinical portion of this program. You may also be prevented from taking required certification examinations, and you may be prevented from gaining employment in this field. Any conviction for a crime of domestic violence or any other conviction arising out of a crime of domestic violence, will automatically prohibit entry into this program. Any questions should be directed to the program lead instructor.

Semester breakdown on next page

Semester Breakdown

First Semester			Second Semester		
		CR			CR
LET 110	Intro & Occupational Sociology of Law Enforcement	3	LET 121	Criminal Investigations	4
LET 112	Constitutional Law	3	LET 122	Interview & Interrogation/Report Writing	3
LET 117	Industry Standards	0	LET 124	Juvenile Methods	3
LET 118	Spanish for Law Enforcement	3	LET 126	Physical Training	1
LET 119	Criminal Law & Procedures	3	LET 127	Industry Standards	0
LET 120	Mechanics of Arrest/Physical Training	2	ENGL 201	Technical Writing I	3
CPR 106	Emergency Responder	2	PSYC 101	General Psychology	3
CIS 109	Word, Level I	1	Total Credit Hours		17
CIS 112	Excel, Level I	1			
CIS 114	PowerPoint, Level I	1			
ORT 010	Orientation	1			
Total Credit Hours		20			
Third Semester			Fourth Semester		
		CR			CR
LET 212	Accident Investigations	2	LET 222	Advanced Issues in Policing	2
LET 213	Criminology & Abnormal Behavior/Corrections	3	LET 224	Law Enforcement Practicum	2
LET 215	Collection/Preservation of Evidence	3	LET 226	Physical Training	1
LET 216	Physical Training	1	LET 227	Industry Standards	0
LET 217	Industry Standards	0	LET 228	Corrections/Paroles	2
LET 218	Patrol Procedures I	3	LET 230	Patrol Procedures II	3
SOC 100	Intro to Sociology	3	LET 232	Technology in Law Enforcement	2
ENGL 202	Technical Communications	3	LET 251	Firearms Training	2
MTH 100	Elementary Algebra	3	LET 252	Emergency Vehicle Operation Course (EVOC)	2
Total Credit Hours		21	Total Credit Hours		16

MEDICAL ADMINISTRATIVE SERVICES

Diploma, 49 Credit Hours, 14-Month Program

The Medical Administrative Services program prepares students for a variety of careers in the medical profession.

Medical administrative services personnel prepare correspondence and assist healthcare professionals with reports, speeches, articles, and conference proceedings. They also record simple medical histories, arrange for patients to be hospitalized, order supplies, and transcribe dictation. Opportunities for employment abound as a result of the growth in the health industry.

Course No.	Course Title	Credits
General Education Requirements		
CIS 109	WORD, LEVEL I	1
CIS 112	EXCEL, LEVEL I	1
CIS 113	EXCEL, LEVEL II	1
CIS 114	POWERPOINT, LEVEL I	1
CIS 116	ACCESS LEVEL I	1
CIS 117	ACCESS LEVEL II	1
ENGL 010	BASIC ENGLISH	3
MATH 112	BUSINESS MATHEMATICS	3
ORT 010	ORIENTATION	1
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	3
Total		16
Technical Requirements		
BUS 134	WRITTEN COMMUNICATIONS FOR BUSINESS	4
BUS 137	PROFESSIONAL DEVELOPMENT	1
COC 110	KEYBOARDING I	3
COC 120	KEYBOARDING II	3
COC 132	RECORDS MANAGEMENT	3
COC 141	COMPUTERIZED OFFICE APPLICATIONS	2
HC 114	ANATOMY & PHYSIOLOGY FOR THE HEALTH PROFESSIONS	3
HC 145	ELECTRONIC HEALTH RECORDS	2
MDS 110	MEDICAL TERMINOLOGY I	3
MDS 122	MEDICAL TERMINOLOGY II	3
MTS 102	MEDICAL TRANSCRIPTION I	3
MDS 299	INTERNSHIP OR ELECTIVE	3
Total		33

Semester Breakdown

First Semester			Second Semester		
		CR			CR
COC 110	Keyboarding I	3	BUS 134	Written Communication for Business	4
HC 114	Anatomy & Physiology for the Health Professions	3	BUS 137	Professional Development	1
MDS 110	Medical Terminology I	3	COC 120	Keyboarding II	3
CIS 109	Word, Level I	1	MDS 122	Medical Terminology II	3
CIS 112	Excel, Level I	1	MTS 102	Medical Transcription I	3
CIS 114	PowerPoint, Level I	1	CIS 117	Access Level II	1
ENGL 010	Basic English	3	CIS 116	Access, Level I	1
ORT 010	Orientation	1	CIS 113	Excel, Level II	1
Total Credit Hours		16	Total Credit Hours		17
<hr/>					
Third Semester					
		CR			
COC 132	Records Management	3			
COC 141	Computerized Office Apps	2			
HC 145	Electronic Health Records	2			
MATH 112	Business Mathematics	3			
PSYC 103	Human Relations in the Workplace	3			
MDS 299	Internship or Elective	3			
Total Credit Hours		16			

MEDICAL ASSISTANT

Associate of Applied Science, 73 Credit Hours, 18-Month Program

The Medical Assistant program prepares students for a variety of careers in the medical profession.

A Medical Assistant is a professional multi-skilled person who assists in all aspects of medical care and is primarily employed in a medical office setting. Medical Assistants help the physician with patient care management, execute administrative and clinical procedures, and perform managerial functions.

Administrative duties may include using computer applications, answering telephones, greeting patients, updating and filing patient medical records, coding and filling out insurance forms, scheduling appointments, arranging for hospital admissions and laboratory services, and handling correspondence, billing, and bookkeeping in a medical office setting.

Clinical duties may include taking medical histories, taking vital signs, explaining treatment procedures to patients, preparing patient for examination, assisting the physician during the exam, collecting and preparing laboratory specimens, performing basic laboratory tests, instructing patients about medication and special diets, preparing and administering medications as directed by a physician, and taking electrocardiograms.

Medical assisting is a rapidly growing and expanding career.

Course No.	Course Title	Credits
General Education Requirements		
CIS 109	WORD, LEVEL I	1
CIS 114	POWERPOINT, LEVEL I	1
CIS xxx	CIS ELECTIVE	1
CPR 100	CPR/FIRST RESPONDER	1
ENGL 101	COMPOSITION*	3
ENGL xxx	ENGL ELECTIVE	3
MTH 100	ELEMENTARY ALGEBRA	3
MATH 112	BUSINESS MATHEMATICS	3
ORT 010	ORIENTATION	1
PSYC 101	INTRODUCTION TO PSYCHOLOGY <i>or</i>	3
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	
SOC 100	INTRODUCTION TO SOCIOLOGY	3
	Total	23
Technical Requirements		
HC 113	MEDICAL TERMINOLOGY FOR THE HEALTH PROFESSIONAL	2
HC 114	ANATOMY AND PHYSIOLOGY	3
HC 140	CARDIAC MONITORING	2
HC 145	ELECTRONIC MEDICAL RECORDS	2
MA 110	MEDICAL ASSISTING I	2
MA 125	PATHOPHYSIOLOGY	3
MA 130	MEDICAL ASSISTING II	3
MA 135	MEDICAL LAW AND ETHICS	2
MA 145	PHARMACOLOGY AND ADMINISTRATION OF MEDS	3
MDS 210	HEALTH CARE CODING I	4
MDS 211	HEALTH CARE CODING II	3
MDS 212	HEALTH CARE FUND & REIMBURSEMENT	3
PCT 110	PATIENT CARE TECH I LECTURE	2
PCT 111	PATIENT CARE TECH I LAB	1
PH 102	INTRO TO PHLEBOTOMY	2
PH 121	PHLEBOTOMY PRINCIPLES AND PRACTICES	3
PH 123	LAB ASSISTANT TECHNIQUES	3
MA 299	MEDICAL ASSISTING CLINICAL	7
	Total	50

*Prerequisite: Acceptable COMPASS score or Basic Writing

Semester Breakdown

First Semester			Second Semester		
		CR			CR
HC 113	Medical Terminology	2	HC 145	Electronic Medical Records	2
HC 114	Anatomy & Physiology for the Health Professions	3	MA 110	Medical Assisting I	2
PCT 110	Patient Care Tech I Lecture	2	PH 123	Lab Assistant Techniques	3
PCT 111	Patient Care Tech I Lab	1	CIS109	Word, Level I	1
PH 102	Intro to Phlebotomy	2	CIS 114	PowerPoint, Level I	1
PH121	Phlebotomy Principles and Practices	3	CIS xxx	CIS Elective	1
MATH 112	Business Math	3	ENGL101	Composition	3
ORT 010	Orientation	1	MTH 100	Elementary Algebra	3
	Total Credit Hours	17	PSYC 101	Intro to Psychology <i>or</i>	3
			PSYC 103	Human Relations in the Workplace	
				Total Credit Hours	19
Third Semester			Fourth Semester		
		CR			CR
MA 125	Pathophysiology	3	HC 140	Cardiac Monitoring	2
MA 130	Medical Assisting II	3	MA 135	Medical Law & Ethics	2
MDS 210	Health Care Coding I	4	MA 145	Pharmacology and Administration of Medication	3
MDS 212	Health Care Fund & Reimbursement	3	MDS 211	Health Care Coding II	3
ENGL xxx	English Elective	3	CPR 100	CPR/First Responder	1
SOC 100	Intro to Soc	3	MA 299	Medical Assisting Clinical	7
	Total Credit Hours	19		Total Credit Hours	18

MEDICAL TRANSCRIPTION

Associate in Applied Science, 69 Credit Hours, 18-Month Program

The Medical Transcription program prepares students for a variety of careers in the medical profession.

Medical transcriptionists transcribe a variety of medical reports such as emergency room visits, diagnostic imaging studies, operations, chart reviews, and discharge summaries. Medical transcriptionists must understand the medical terminology, anatomy and physiology, diagnostic procedures, and treatments to accurately transcribe reports. Opportunities for employment abound as a result of the growth in the healthcare industry.

Course No.	Course Title	Credits
General Education Requirements		
CIS 109	WORD, LEVEL I	1
CIS 112	EXCEL, LEVEL I	1
CIS 114	POWERPOINT, LEVEL I	1
ENGL 010	BASIC ENGLISH	3
ENGL 101	COMPOSITION* <i>or</i>	3
ENGL 203	TECHNICAL WRITING II - online	
MATH 112	BUSINESS MATHEMATICS	3
ORT 010	ORIENTATION	1
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	3
SOC 100	INTRO TO SOCIOLOGY <i>or</i>	3
ECN 204	PRINCIPLES OF MACRO ECONOMICS	
	Total	19
Technical Requirements		
BUS 134	WRITTEN COMMUNICATIONS FOR BUSINESS	4
COC 110	KEYBOARDING I	3
COC 120	KEYBOARDING II	3
COC 132	RECORDS MANAGEMENT	3
COC 141	COMPUTERIZED OFFICE APPLICATIONS	2
HC 114	ANATOMY & PHYSIOLOGY FOR THE HEALTH PROFESSIONS	3
HC 145	ELECTRONIC HEALTH RECORDS	2
MDS 110	MEDICAL TERMINOLOGY I	3
MDS 122	MEDICAL TERMINOLOGY II	3
MTS 102	MEDICAL TRANSCRIPTION I	3
MTS 124	DISEASE PROCESSES I	3
MTS 212	BASIC PHARMACOLOGY	3
MTS 213	MEDICAL TRANSCRIPTION II	3
MTS 214	DISEASE PROCESSES II	3
MTS 222	MEDICAL TRANSCRIPTION III	3
	ELECTIVES	6
	Total	50
Advanced Optional Courses/Technical Electives		
MDS 210	HEALTH CARE CODING I	4
MDS 211	HEALTH CARE CODING II	3
MDS 212	HEALTH CARE FUNDAMENTALS & REIMBURSEMENT	3
MED 299	MEDICAL TRANSCRIPTION PRACTICUM	2-4
MTS 232	MEDICAL TRANSCRIPTION IV	3

*Prerequisite: Acceptable COMPASS score or Basic Writing

Semester breakdown on next page

Semester Breakdown

First Semester			Second Semester		
		CR			CR
COC 110	Keyboarding I	3	COC 120	Keyboarding II	3
HC 114	Anatomy & Physiology for the Health Professions	3	MDS 122	Medical Terminology II	3
MDS 110	Medical Terminology I	3	MTS 102	Medical Transcription I	3
CIS 109	Word, Level I	1	MTS 124	Disease Processes I	3
ENGL 010	Basic English	3	MTS 212	Basic Pharmacology	3
MATH 112	Business Mathematics	3	CIS 112	Excel, Level I	1
ORT 010	Orientation	1	CIS 114	PowerPoint, Level I	1
	Total Credit Hours	17		Total Credit Hours	17
Third Semester			Fourth Semester		
		CR			CR
COC 132	Records Management	3	BUS 134	Written Communications for Business	4
COC 141	Computerized Office Apps	2	MTS 222	Medical Transcription III	3
HC 145	Electronic Health Records	2	PSYC 103	Human Relations in the Workplace	3
MTS 213	Medical transcription II	3		Electives	6
MTS 214	Disease Processes II	3		Total Credit Hours	16
ENGL 101	Composition <i>or</i>	3			
ENGL 203	Technical Writing II - online				
SOC 100	Intro to Sociology <i>or</i>	3			
ECN 204	Principles of Macro Econ				
	Total Credit Hours	19			

PARALEGAL/LEGAL ASSISTANT

Associate in Applied Science, 72 Credit Hours, 18-Month Program

The Paralegal/Legal Assistant program prepares students for a career in the legal field. The blending of extensive classroom instruction, on-the-job internships, and specialized projects allows students to develop skills required for employment in traditional and non-traditional legal settings as assessed through the program completion exam, program competencies, internship evaluations, graduate/student surveys, and employer surveys.

Paralegals are highly skilled professionals with well-developed communication, problem-solving, and computer skills who work closely with a team of other legal professionals. Paralegals may work in all areas of the law, including litigation, bankruptcy, corporate law, criminal law, employee benefits, patent and copyright law, and real estate. Paralegals work under the supervision of attorneys. Although prohibited by law from establishing an attorney/client relationship, offering legal advice, representing a client in court, or setting legal fees, paralegals may conduct investigations and interview witnesses, communicate with clients, carry out legal research assignments, draft legal documents, prepare a case for trial, and assist the attorney in the courtroom. Paralegalism is among the nation's 20 fastest-growing occupations. Generally, employers require formal paralegal training obtained through associate or bachelor degree programs.

A prerequisite of 30 WPM typing proficiency is required to enter this program. This program is approved by the American Bar Association.

Program Goals/Student Learning Outcomes:

Students will be able to:

- Demonstrate good judgment in etiquette and ethics in a legal environment
- Utilize time management skills
- Exhibit knowledge of a wide variety of substantive and procedural laws
- Analyze legal issues
- Demonstrate effective oral and written communication skills
- Research the law using the full range of law reference materials, including computerized legal research
- Remonstrate an understanding of the roles and relationships within a legal environment
- Demonstrate a full understanding of and appreciation for, the rules of legal ethics, with emphasis on their applicability to paralegals
- Obtain employment in the field utilizing their knowledge of legal research, writing and communicative skills

Request for transfer credit shall be processed as follows:

Transfer credit requests for general education courses and other non-legal specialty courses shall be handled by the Student Services Department. With regard to legal specialty course transfer credit requests, full credit shall be given in connection with credits earned in legal specialty courses completed at ABA approved programs, providing, however, that no transfer credit shall be given in connection with any course in which the student earned lower than a "C". Where the legal specialty course credits have been completed at a non-ABA approved program, the program director shall make a case by case decision based on an examination of the textbook, course syllabus, and assignments completed in connection with the course for which the student is seeking transfer credit, again providing, however, that no transfer credit shall be given in connection with any course in which the student earned a grade lower than "C".

Transfer credit is awarded pursuant to the general guidelines set forth in Western Dakota Technical Institute's general transfer policy (50% of a student's coursework must be completed at WDT in order to receive a diploma/degree). The program does not allow the awarding of legal specialty credit by examination.

Course	No.	Course Title	Credits
General Education Requirements			
CIS	109	WORD, LEVEL I	1
CIS	112	EXCEL, LEVEL I	1
CIS	114	POWERPOINT, LEVEL I	1
ECN	202	PRINCIPLES OF ECONOMICS (MACRO) <i>or</i>	3
SOC	100	INTRO TO SOCIOLOGY	
ENGL	101	COMPOSITION*	3
MATH	101	INTERMEDIATE ALGEBRA**	3
ORT	010	ORIENTATION	1
PSYC	101	GENERAL PSYCHOLOGY	3
SPCM	101	FUNDAMENTALS OF SPEECH	3
Total			19
Technical Requirements			
ACCT	210	PRINCIPLES OF ACCOUNTING I	4
HUM	102	CRITICAL THINKING	3
PLL	111	INTRODUCTION TO PARALEGALISM	2
PLL	123	REAL PROPERTY	2
PLL	124	CRIMINAL LAW	2
PLL	125	TORTS	3
PLL	126	CONTRACTS	3
PLL	132	LEGAL RESEARCH & WRITING I***	4
PLL	133	LEGAL RESEARCH & WRITING II	4
PLL	211	AMERICAN LEGAL SYSTEM & CONST. LAW	3
PLL	212	LITIGATION & CIVIL PROCEDURES	3
PLL	215	LAW OF BUSINESS ORGANIZATIONS	2
PLL	217	EVIDENCE	3
PLL	231	FAMILY LAW	2
PLL	232	LITIGATION CLINIC I	2
PLL	233	LITIGATION CLINIC II	2
PLL	298	INTERNSHIP	7
Total			53

*Prerequisite: Acceptable COMPASS score or Basic Writing.

**Prerequisite: Acceptable COMPASS score or Elementary Algebra.

***Prerequisite: PLL-132 is a prerequisite for all Paralegal courses.

Technical Electives (2 or more Credit Hours Required)			Credits
ACCT	227	EXCEL FOR ACCOUNTING	3
BUS	136	ORAL COMMUNICATIONS FOR BUSINESS	2
BUS	210	SUPERVISORY MANAGEMENT	3
COC	110	KEYBOARDING I	3
COC	120	KEYBOARDING II	3
COC	132	RECORDS MANAGEMENT	3
HC	113	MEDICAL TERMINOLOGY	2
PLL	223	WILLS & PROBATE	2
PLL	224	BANKRUPTCY & COMMERCIAL LAW	2
PLL	225	ADMINISTRATIVE LAW	2
PLL	226	LAW OFFICE MANAGEMENT	2
PLL	227	INTRO TO ENVIRONMENTAL LAW	2
PLL	228	INTRO TO NATIVE AMERICAN TRIBAL LAW	2

Note: If you have been convicted, pled guilty or no contest to, or received a suspended imposition of sentence for a felony, you are advised that you may be prevented from gaining employment in this field in South Dakota.

Semester Breakdown on next page

Semester Breakdown

First Semester			Second Semester		
		CR			CR
PLL 111	Introduction to Paralegalism	2	ACCT 210	Principles of Accounting I	4
PLL 132	Legal Research & Writing I	4	PLL 124	Criminal Law	2
PLL 211	American Legal Systems & Constitutional Law	3	PLL 212	Litigation & Civil Procedures	3
CIS 109	Word, Level I	1	PLL 217	Evidence	3
CIS 112	Excel, Level I	1	ENGL 101	Composition	3
CIS 114	PowerPoint, Level I	1	PSYC 101	General Psychology	3
HUM 102	Critical Thinking	3		Total Credit Hours	18
MATH 101	Intermediate Algebra	3			
ORT 010	Orientation	1			
	Total Credit Hours	19			
Third Semester			Fourth Semester		
		CR			CR
PLL 125	Torts	3	PLL 123	Real Property	2
PLL 126	Contracts	3	PLL 215	Law of Business Organizations	2
PLL 133	Legal Research & Writing II	4	PLL 231	Family Law	2
PLL 232	Litigation Clinic I	2	PLL 233	Litigation Clinic II	2
SOC 100	Intro to Sociology <i>or</i>	3	PLL 298	Internship	7
ECN 202	Princ of Econ-Macro			Electives	2
SPCM 101	Speech	3		Total Credit Hours	17
	Total Credit Hours	18			

PARAMEDIC

Associate in Applied Science, 68-69 Credit, 14-month Program

The Paramedic program prepares students for careers in paramedic services. The combination of classroom instruction, extensive hands on training, in-the-field experience, and internships allow the student to develop skills required for successful employment in this field. PREREQUISITE: EMT(CPR 103).

This program is designed to meet the specific needs of paramedic agencies in the Great Plains and Black Hills regions. Completion of the program will result in a paramedic well prepared to respond to medical emergencies. The successful student will achieve numerous State and National certifications.

Course No.	Course Title	Credits
General Education Requirements		
CIS 109	WORD, LEVEL I	1
CIS 112	EXCEL LEVEL I	1
CIS 114	POWERPOINT LEVEL I	1
ENGL 101	COMPOSITION* <i>or</i>	3
ENGL 201	TECHNICAL WRITING I	
ENGL 102	CAREER COMMUNICATIONS <i>or</i>	2/3
ENGL 202	TECHNICAL COMMUNICATIONS	
MATH 101	INTERMEDIATE ALGEBRA**	3
ORT 010	ORIENTATION	1
PSYC 101	GENERAL PSYCHOLOGY <i>or</i>	3
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	
SOC 100	INTRODUCTION TO SOCIOLOGY	3
Total		18/19
Technical Requirements		
FFT 102	RESCUE	3
FFT 116	HAZARDOUS MATERIALS	3
FFP 100	PARAMEDIC PREPATORY I	6
FFP 105	PARAMEDIC PREPATORY II	2
FFP 110	PARAMEDIC ASSESSMENT	2
FFP 115	PARAMEDIC CARDIOLOGY	5
FFP 200	PARAMEDIC MEDICAL	5
FFP 205	PARAMEDIC SPECIAL OPS I	4
FFP 210	PARAMEDIC SPECIAL OPS II	7
FFP 298	PARAMEDIC CLINICAL I	3
FFP 299	PARAMEDIC CLINICAL II	5
HC 113	MEDICAL TERMINOLOGY	2
HC 114	ANATOMY & PHYSIOLOGY	3
Total		50

*Prerequisite: Acceptable COMPASS score or Basic Writing.

**Prerequisite: Acceptable COMPASS score or Elementary Algebra.

Semester Breakdown

First Semester			Second Semester		
		CR			CR
HC 113	Medical Terminology	2	FFP 105	Paramedic Prep II	2
HC 114	Anatomy & Physiology	3	FFP 110	Paramedic Assessment	2
FFP 100	Paramedic Prep I	6	FFP 115	Paramedic Cardiology	5
ENGL 101	Composition <i>or</i>	3	FFP 298	Paramedic Clinical I	3
ENGL 201	Technical Writing I		PSYC 101	General Psychology <i>or</i>	3
MATH 101	Intermediate Algebra	3	PSYC 103	Human Relations in the Workplace	
ORT 010	Orientation	1	CIS 109	Word Level I	1
SOC 100	Intro to Sociology	3	CIS 112	Excel Level I	1
	Total Credit Hours	21	CIS 114	PowerPoint Level I	1
				Total Credit Hours	18
Third Semester (Summer)			Fourth Semester		
		CR			CR
FFT 116	Hazardous Materials	3	FFP 210	Paramedic Special Ops II	7
FFP 200	Paramedic Medical	5	FFP 299	Paramedic Clinical II	5
FFP 205	Paramedic Spec Ops I	4	FFT 102	Rescue I	3
	Total Credit Hours	12	ENGL 202	Technical Communications <i>or</i>	3/2
			ENGL 102	Career Communications	
				Total Credit Hours	17/18

PHARMACY TECHNICIAN

Diploma, 45 Credit Hours, 11-Month Program

The goal of the Pharmacy Technician Program at Western Dakota Tech is to educate and train students for positions in hospitals, retail pharmacies, and other medical facilities working as pharmacy technicians assisting registered pharmacists in all aspects of pharmaceutical care.

Pharmacy technicians fill orders for unit doses and prepackaged pharmaceuticals and perform other related duties under the supervision and direction of a pharmacy supervisor or staff pharmacist. Pharmacy technician duties include keeping records of drugs delivered to the pharmacy, storing incoming merchandise in proper locations and informing the supervisor of stock needs and shortages. Technicians may also clean equipment used in the performance of duties and assist in the care and maintenance of equipment and supplies. People entering this field will find excellent employment opportunities.

Course No.	Course Title	Credits
General Education Requirements		
CIS 109	WORD, LEVEL I	1
CIS 112	EXCEL, LEVEL I	1
ENGL 102	CAREER COMMUNICATIONS	2
MTH 100	ELEMENTARY ALGEBRA* (or higher)	3
ORT 010	ORIENTATION	1
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	3
Total		11
Technical Requirements		
HC 113	MEDICAL TERMINOLOGY FOR THE HEALTH PROFESSIONS	2
HC 114	ANATOMY/PHYSIOLOGY FOR THE HEALTH PROFESSIONS	3
PHR 110	PHARMACOLOGY/PHARMACEUTICAL PRODUCTS I	3
PHR 111	PHARMACY I	3
PHR 120	PHARMACY II	3
PHR 121	PHARMACOLOGY/PHARMACEUTICAL PRODUCTS II	3
PHR 122	PHARMACY LAW & ETHICS	2
PHR 124	PHARMACY LAB	2
PHR 126	PHARMACY SYSTEMS SOFTWARE	1
PHR 127	PHARMACY CALCULATIONS	2
PHR 128	PHARMACY OPERATIONS	2
PHR 131	CLINICAL ROTATIONS	8
Total		34

*Prerequisite: Acceptable COMPASS score or Basic Math.

Semester Breakdown

First Semester			Second Semester		
		CR			CR
HC 113	Medical Terminology for the Health Professions	2	PHR 120	Pharmacy II	3
HC 114	Anatomy/Physiology for the Health Professions	3	PHR 121	Pharmacology/Pharmaceutical Products II	3
PHR 110	Pharmacology/Pharmaceutical Products I	3	PHR 122	Pharmacy Law & Ethics	2
PHR 111	Pharmacy I	3	PHR 124	Pharmacy Lab	2
PHR 128	Pharmacy Operations	2	PHR 126	Pharmacy Systems Software	1
MTH 100	Elementary Algebra (or higher)	3	PHR 127	Pharmacy Calculations	2
ORT 010	Orientation	1	ENGL 102	Career Communications	2
Total Credit Hours		17	PSYC 103	Human Relations in the Workplace	3
			CIS 109	Word, Level I	1
			CIS 112	Excel, Level I	1
			Total Credit Hours		20
Third Semester (Summer)					
		CR			
PHR 131	Clinical Rotations	8			
Total Credit Hours		8			

PHARMACY TECHNOLOGY-DIPLOMA, EVENING PROGRAM

Diploma, 45 Credit Hours, Extended Evening Program

To educate and train students for positions in hospitals, retail pharmacies, and other medical facilities working as pharmacy technicians assisting registered pharmacists in all aspects of prescription dispensing.

Pharmacy technicians fill orders for unit doses and prepackaged pharmaceuticals and perform other related duties under the supervision and direction of a pharmacy supervisor or staff pharmacist. Pharmacy technician duties include keeping records of drugs delivered to the pharmacy, storing incoming merchandise in proper locations and informing the supervisor of stock needs and shortages. Technicians may also clean equipment used in the performance of duties and assist in the care and maintenance of equipment and supplies. People entering this field will find excellent employment opportunities.

Course No.	Course Title	Credits
General Education Requirements		
CIS 109	WORD LEVEL I	1
CIS 112	EXCEL, LEVEL 1	1
ENGL 102	CAREER COMMUNICATIONS	2
MTH 100	ELEMENTARY ALGEBRA* (<i>or higher</i>)	3
ORT 010	ORIENTATION	1
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	3
	Total	11
Technical Requirements		
HC 113	MEDICAL TERMINOLOGY FOR THE HEALTH PROFESSIONS	2
HC 114	ANATOMY/PHYSIOLOGY FOR THE HEALTH PROFESSIONS	3
PHR 110	PHARMACOLOGY/PHARMACEUTICAL PRODUCTS I	3
PHR 111	PHARMACY I	3
PHR 120	PHARMACY II	3
PHR 121	PHARMACOLOGY/PHARMACEUTICAL PRODUCTS II	3
PHR 122	PHARMACY LAW & ETHICS	2
PHR 124	PHARMACY LAB	2
PHR 126	PHARMACY SYSTEMS SOFTWARE	1
PHR 127	PHARMACY CALCULATIONS	2
PHR 128	PHARMACY OPERATIONS	2
PHR 131	CLINICAL ROTATIONS	8
	Total	34

*Prerequisite: Acceptable COMPASS score or Basic Math.

Semester Breakdown Extended Evening Semester Breakdown

First Semester			Second Semester		
		CR			CR
HC 113	Medical Terminology for the Health Professions	2	PHR 110	Pharmacology/Pharmaceutical Products I	3
HC 114	Anatomy/Physiology for the Health Professions	3	PHR111	Pharmacy I	3
MATH 100	Elementary Algebra (<i>or higher</i>)	3	PHR128	Pharmacy Operations	2
ORT 010	Orientation	1		Total Credit Hours	8
	Total Credit Hours	9			
Third Semester			Fourth Semester		
		CR			
PHR 120	Pharmacy II	3	PHR 124	Pharmacy Lab*	2
PHR 121	Pharmacology/Pharmaceutical Products II	3	PHR 127	Pharmacy Calculations	2
PHR 122	Pharmacy Law & Ethics	2	CIS 109	Word, Level I	1
PHR 126	Pharmacy Systems Software	1	CIS 112	Excel, Level I	1
	Total Credit Hours	9	ENGL 102	Career Communications	2
			PSYC 103	Human Relations in the Workplace	3
				Total Credit Hours	11
Fifth Semester (Summer)			*Lab - Every other Saturday x 4		
		CR			
PHR 131	Clinical Rotations	8			
	Total Credit Hours	8			

PHLEBOTOMY/LABORATORY ASSISTANT

Diploma, 34 Credit Hours, 9-Month Program

The Phlebotomy/Laboratory Assistant program prepares students for employment as entry-level phlebotomy technicians and clinical laboratory assistants.

Phlebotomists collect, transport, and process blood and other specimens for laboratory analysis. They identify and select equipment, supplies, and additives used in blood collection and understand factors that affect specimen collection procedures and test results. Recognizing the importance of specimen collection in the overall patient care system, phlebotomists adhere to infection control and safety policies and procedures. They monitor quality control within predetermined limits while demonstrating professional conduct, stress management, and communication skills with patients, peers, and other healthcare personnel as well as with the public.

Phlebotomists are employed in hospitals, physician offices and clinics, medical laboratories, and blood banks as blood procurement specialists. According to the American Society of Clinical Pathologists, the wage range for the Northern Plains region is between \$9.00 and \$12.72 per hour with WDT students earning \$9.70 on average upon graduating.

Course No.	Course Title	Credits
General Education Requirements		
CIS 100	INTRODUCTION TO KEYBOARDING	1
CIS 109	WORD, LEVEL I	1
CIS - - -	ELECTIVE (<i>see page 33</i>)	1
ENGL 102	CAREER COMMUNICATIONS	2
MTH 100	ELEMENTARY ALGEBRA*	3
ORT 010	ORIENTATION	1
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	3
	Total	12
Technical Requirements		
HC 113	MEDICAL TERMINOLOGY FOR THE HEALTH PROFESSIONS	2
HC 114	ANATOMY/PHYSIOLOGY FOR THE HEALTH PROFESSIONS	3
PH 102	INTRODUCTION TO PHLEBOTOMY	2
PH 121	PRINCIPLES AND PRACTICES	3
PH 123	LABORATORY ASSISTANT TECHNIQUES	3
PH 124	PHLEBOTOMY/LABORATORY ASSISTANT CAPSTONE COURSE	1
PH 130	CLINICAL PRACTICE	8
	Total	22

*Prerequisite: Acceptable COMPASS score or Basic Math.

Satisfactory completion of all first semester HC and PH courses is required for progression into second semester coursework.

Semester Breakdown

First Semester			Second Semester		
		CR			CR
HC 113	Medical Terminology for the Health Professions	2	PH 123	Laboratory Assistant Techniques	3
HC 114	Anatomy /Physiology for the Health Professions	3	PH 124	Phlebotomy/Laboratory Assistant Capstone Course	1
PH 102	Intro to Phlebotomy	2	PH 130	Clinical Practice	8
PH 121	Principles & Practices	3	ENGL 102	Career Communications	2
MTH 100	Elementary Algebra	3	CIS 100	Introduction to Keyboarding	1
ORT 010	Orientation	1	CIS 109	Word, Level I	1
PSYC 103	Human Relations in the Workplace	3	CIS - -	Elective (<i>see page 33</i>)	1
	Total Credit Hours	17		Total Credit Hours	17

PRACTICAL NURSING

Diploma, 52 Credit Hours, 11-Month Program

The mission of the Practical Nursing program is to produce graduates who possess the knowledge, skills, and attitudes necessary for employment as an LPN and to prepare the graduates to successfully complete the National Counsel of Licensure Exams for Practical Nursing (NCLEX-PN).

Licensed Practical Nurses (LPNs) are an important component of the healthcare team. The program stresses the importance of clinical experience by providing 650-700 clinical hours of actual supervised clinical. LPNs work in a variety of clinical settings including acute-care, long-term care, and office/clinic environments. The role of LPNs has expanded to include IV therapy and supervision in some settings. Upon successful completion of the program, graduates take the NCLEX (National Certification Licensure Exam). Job placement is excellent for graduates.

All accepted students in the Practical Nursing program are required to fulfill the prerequisite* requirements before beginning enrollment in the Nursing core credit courses. Courses in the Nursing Program may have prerequisite requirements. See the course descriptions in the catalog for details.

Course No.	Course Title	Credits
General Education Requirements		
CIS 112	EXCEL, LEVEL I	1
CIS 114	POWER POINT, LEVEL I	1
ENGL 101	COMPOSITION** <i>or</i>	3
ENGL 201	TECHNICAL WRITING I	
ORT 010	ORIENTATION	1
PSYC 101	GENERAL PSYCHOLOGY <i>or</i>	3
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	
	Total	9
Technical Requirements		
NSG 114	PHARMACOLOGY IN NURSING	3
NSG 115	FOUNDATIONS IN NURSING LAB	2
NSG 116	FOUNDATIONS IN NURSING CLINIC	4
NSG 117	FOUNDATIONS IN NURSING	5
NSG 118	GERIATRIC CLINICAL	1
NSG 119	MENTAL HEALTH NURSING	2
NSG 125	MATERNAL/CHILD HEALTH NURSING	4
NSG 129	ADULT HEALTH NURSING	6
NSG 130	ADULT HEALTH NURSING CLINICAL	6
NSG 128	ADULT HEALTH NURSING LAB	1
NSG 135	PROFESSIONAL DEVELOPMENT	2
NSG 136	MENTAL HEALTH PRACTICUM	1
NSG 139	ADULT HEALTH PRACTICUM	4
NSG 138	MATERNAL/CHILD HEALTH PRACTICUM	2
	Total	43

*Prerequisites: HC 113 Medical Terminology for the Health Professions or equivalent is required to enter this program.
HC 114 Anatomy/Physiology for the Health Professions or equivalent is required to enter this program.
MTH100 Elementary Algebra is required to enter this program.
CIS109 Word Level I is required to enter this program.

**Prerequisite: Acceptable COMPASS score or Basic Writing.

Note: If you have been convicted, pled guilty or no contest to, or received a suspended imposition of sentence for a felony or other criminal offense (excluding minor traffic violations) you are advised that it may not be possible for you to participate in the internship or clinical portion of this program. You may also be prevented from taking required licensure examinations and from gaining employment in this field.

Semester breakdown on next page

Semester Breakdown for Fall Cohort

First Semester			Second Semester		
		CR			CR
NSG 114	Pharmacology in Nursing	3	NSG 119	Mental Health Nursing	2
NSG 118	Geriatric Clinical	1	NSG 125	Maternal/Child Health Nursing	4
NSG 115	Foundations in Nursing Lab	2	NSG 129	Adult Health Nursing	6
NSG 116	Foundations in Nursing Clinical	4	NSG 130	Adult Health Nursing Clinical	6
NSG 117	Foundations in Nursing	5	NSG 128	Adult Nursing Lab	1
CIS 112	Excel, Level I	1	Total Credit Hours		19
CIS 114	Power Point, Level I	1			
ENGL 101	Composition <i>or</i>	3			
ENGL 201	Technical Writing I				
ORT 010	Orientation	1			
PSYC 101	General Psychology <i>or</i>	3			
PSYC 103	Human Relations in the Workplace	24			
Total Credit Hours					
Third Semester (Summer)					
		CR			
NSG 135	Professional Development	2			
NSG 136	Mental Health Practicum	1			
NSG 138	Maternal/Child Health Practicum	2			
NSG 139	Adult Health Practicum	4			
Total Credit Hours		9			

Semester Breakdown for Evening Spring Cohort Extended to 5 Semesters

First Semester			Second Semester		
		CR			CR
HC 114	Anatomy & Physiology for HP	3	NSG 114	Pharmacology in Nursing	3
HC 113	Medical Terminology for HP	2	NSG 115	Foundations in Nursing Lab	2
CIS 109	Word, Level I	1	NSG 117	Foundations in Nursing	5
CIS 112	Excel, Level I	1	ENGL101	Composition <i>or</i>	3
CIS 114	Power Point, Level I	1	ENGL201	Technical Writing I	
CPR100	CPR/First Responder	1		Microbiology (if interested in RN)	3
MTH 100	Elementary Algebra	3	Total Credit Hours		13/16
ORT 010	Orientation	1			
PSYC 101	General Psychology <i>or</i>	3			
PSYC 103	Human Relations in the Workplace				
Total Credit Hours		16			
Third Semester (Summer)			Fourth Semester		
		CR			CR
NSG 116	Foundations in Nursing Clinical	4	NSG 130	Adult Health Nursing Clinical	6
NSG 118	Geriatric Clinical	1	NSG 128	Adult Nursing Lab	1
NSG 119	Mental Health Nursing	2	NSG 129	Adult Health Nursing	6
NSG 136	Mental Health Practicum	1	Total Credit Hours		13
Total Credit Hours		8			
Fifth Semester					
		CR			
NSG125	Maternal/Child Health Nursing	4			
NSG 135	Professional Development	2			
NSG 138	Maternal/Child Health Practicum	2			
NSG 139	Adult Health Practicum	4			
Total Credit Hours		12			

Ideally, this program is best suited to start the first semester in the fall, but the program start date could be adjusted with program administrator approval.

PROGRAMMING & APPLICATION DEVELOPMENT

Associate in Applied Science, 70 Credit Hours, 18-Month Program

The Programming and Application Development program trains students to develop software for many needs. Students will learn about several programming languages as well as development platforms including Java, .Net, xHTML, and SQL. The program works to ensure students understand the basics while they also get experience working with cutting edge technologies such as cloud computing and mobile applications. Students must possess strong troubleshooting and technical skills, including strong math and logic skills, and good computer literacy.

A typical job description for a computer programmer may include typically working 40 hours per week. However, the programmer may work evenings or weekends in order to meet deadlines. Telecommuting is becoming more common with some employees working from remote locations. Some work may have to be accomplished in the office due to security reasons. Programmers may work prolonged hours in front of a computer. Tasks for programmers typically include coding, testing, troubleshooting, maintaining, and modifying programs; developing detailed programming logic; and coding changes. Writing and maintaining programming documentation is required. Students will also be prepared to continue learning and advancing within the field, allowing them to work within an organization to apply programming to business strategy, tactics, and goals.

There are opportunities for two-semester diplomas in the following:

- Cisco Academy/Computer Technician
- Programming

Or, students may choose to pursue a two-year AAS degree as a Computer Network Specialist in one of the following areas:

- Computer Networking Specialist with emphasis in programming
- Programming

Course No.	Course Title	Credits
General Education Requirements		
CIS 109	WORD, LEVEL I	1
CIS 112	EXCEL, LEVEL I	1
CIS 116	ACCESS, LEVEL I	1
ENGL 101	COMPOSITION*	3
ENGL 202	TECHNICAL COMMUNICATIONS	3
ECN 202	PRINCIPLES OF ECONOMICS(MACRO) <i>or</i>	3
SOC 100	INTRODUCTION TO SOCIOLOGY	3
MATH 101	INTERMEDIATE ALGEBRA** (<i>or higher</i>)	3
MATH 120	TRIGONOMETRY	3
ORT 010	ORIENTATION	1
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	3
Total		22
Technical Requirements		
CNS 216	INTRODUCTION TO PROGRAMMING	3
CNS 217	PROGRAMMING LOGIC AND DESIGN	3
CNS 218	INTERMEDIATE PROGRAMMING	3
CNS 219	DATABASES	3
PCN 120	WEB DEVELOPMENT TOOLS	3
PCN 125	WEB PROGRAMMING LANGUAGES	3
PCN 126	SYSTEM ANALYSIS & DESIGN	3
PCN 128	PROGRAMMING LANGUAGE CONCEPTS	3
PCN 230	DESIGN PATTERNS	3
PCN 232	WEB APPLICATION DESIGN	3
PCN 235	DEVELOPING USER INTERFACES	3
PCN 239	ADVANCED WEB DEVELOPMENT	3
PCN 240	ADVANCED PROGRAMMING CONCEPTS	3
PCN 242	PROGRAMMING WORKFLOW	3
PCN 245	SECURITY & CRYPTOGRAPHY	3
PCN 249	DEVELOPING SMARTPHONE APPLICATIONS	3
Total		48

*Prerequisite: Acceptable COMPASS score or Basic Writing.

**Prerequisite: Acceptable COMPASS score or Elementary Algebra.

Semester breakdown on next page

Semester Breakdown Programming & Application Development

First Semester			Second Semester		
		CR			CR
CNS 219	Databases	3	CNS 216	Introduction to Programming	3
PCN 120	Web Development Tools	3	CNS 217	Programming Logic and Design	3
PCN 125	Web Programming Languages	3	CNS 218	Intermediate Programming	3
PCN 126	System Analysis & Design	3	PCN 128	Programming language Concepts	3
CIS 109	Word, Level I	1	ENGL 101	Composition	3
CIS 112	Excel, Level I	1	PSYC 103	Human Relations in the Workplace	3
CIS 116	Access, Level I	1		Total Credit Hours	18
MATH 101	Intermediate Algebra (<i>or higher</i>)	3			
ORT 010	Orientation	1			
	Total Credit Hours	19			
Third Semester			Fourth Semester		
		CR			CR
PCN 230	Design Patterns	3	PCN 240	Advanced Programming Concepts	3
PCN 232	Web Application Design	3	PCN 242	Programming Workflow	3
PCN 235	Developing User Interfaces	3	PCN 245	Security & Cryptography	3
PCN 239	Advanced Web Development	3	PCN 249	Developing Smartphone App	3
ECN 202	Principles of Economics <i>or</i>	3	ENGL 202	Technical Communications	3
SOC 100	Introduction to Sociology	3		Total Credit Hours	15
MATH 120	Trigonometry	3			
	Total Credit Hours	18			

CNS 299 Internship: This class may be used as a substitute for any second year 3-credit course based on location and substance of the internship opportunity. This class is available for AAS students and Programming Diploma students.

PROGRAMMING & COMPUTER NETWORKING WITH EMPHASIS IN NETWORK ADMINISTRATION

Associate in Applied Science, 70 Credit Hours, 18-Month Program

The Programming and Computer Networking program strikes a balance between theory and application. Students will learn about real-life networking environments, making them immediately productive upon graduation and prepared to take on a variety of information technology (IT) roles. The first year builds a solid foundation of basic hands-on computer skills and networking concepts. The second year challenges students to learn to adapt and react to the changing world of computers: Deeper networking concepts are introduced, including security, administration of complex networks, and programming skills. The emphasis of coursework will be based on preparing students for CompTIA, Cisco CCNA, and Microsoft certification testing. Students will also be prepared to continue learning and advancing within the field, allowing them to work within an organization to apply networking to business strategy, tactics, and goals.

A typical job description for a network administrator would generally include working in an office environment. The job is often performed alone, and the network administrator must possess strong troubleshooting and technical skills, including strong math skills. Conversely, the network administrator must also work with users who are not comfortable with the system or who are experiencing difficulties - thus the requirement for strong communications skills. Configuring a network can require long hours of work over a short period of time. Maintaining the network can alternate between routine tasks to install, maintain, and update programs, as well as the hectic work of troubleshooting and fixing network problems. If a network crashes, the network administrator must work quickly and purposefully, to solve problems and restore the network operation. In addition, the task of updating and maintaining network services can require late hours and work on an irregular schedule. The IT worker must also be prepared to maintain related technology within an organization, including audio-visual equipment, televisions, phones, and cabling infrastructure. Physical duties may include climbing and working using ladders, installing cabling, moving computers and related equipment, and installing equipment.

There are opportunities for two-semester diplomas in Cisco Academy/Computer Technician

Course No.	Course Title	Credits
General Education Requirements		
CIS 109	WORD, LEVEL I	1
CIS 112	EXCEL, LEVEL I	1
CIS 116	ACCESS, LEVEL I	1
ENGL 101	COMPOSITION*	3
ENGL 202	TECHNICAL COMMUNICATIONS	3
ECN 202	PRINCIPLES OF ECONOMICS(MACRO) <i>or</i>	3
SOC 100	INTRODUCTION TO SOCIOLOGY	
MATH 101	INTERMEDIATE ALGEBRA** (<i>or higher</i>)	3
MATH 120	TRIGONOMETRY	3
ORT 010	ORIENTATION	1
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	3
	Total	22
Technical Requirements for Network Administration		
CNS 112	A+ HARDWARE/SOFTWARE	6
CNS 114	NETWORKING ESSENTIALS	3
CNS 129	COMPUTER OPERATING SYSTEMS	3
CNS 211	LINUX SERVER OPERATING SYSTEM	3
CNS 221	TROUBLESHOOTING II	3
CN 126	CISCO ACADEMY/NETWORKING TECHNOLOGIES I	3
CN 127	CISCO ACADEMY/NETWORKING TECHNOLOGIES II	3
CN 128	CISCO ACADEMY/NETWORKING TECHNOLOGIES III	3
CN 130	CISCO ACADEMY/NETWORKING TECHNOLOGIES IV	3
CN 213	NETWORKING USING MICROSOFT WINDOWS SERVER	3
CN 215	NETWORK DESIGN AND VIRTUALIZATION	3
CN 220	DESIGNING SECURITY FOR MS WINDOWS NETWORK	3
CN 223	COLLABORATIVE TECHNOLOGIES	3
CN 227	HETEROGENEOUS NETWORKS	3
CN 230	COMPUTER FORENSICS	3
	Total	48

*Prerequisite: Acceptable COMPASS score or Basic Writing.

**Prerequisite: Acceptable COMPASS score or Elementary Algebra.

CNS 299 Internship: This class may be used as a substitute for any second year 3-credit course based on location and substance of the internship opportunity. This class is available for AAS students and Programming Diploma students.

Semester breakdown on next page

Semester Breakdown Network Administration

First Semester			Second Semester		
		CR			CR
CNS 112	A+ Hardware/Software	6	CNS 126	Cisco Academy/Networking I	3
CNS 114	Networking Essentials	3	CNS 127	Cisco Academy/Networking II	3
CNS 129	Computer Operating Systems	3	CN 213	Networking Using Microsoft Win Server	3
CIS 109	Word, Level I	1			
CIS 112	Excel, Level I	1	CN 223	Collaborative Technologies	3
CIS 116	Access, Level I	1	ENGL 101	Composition	3
MATH 101	Intermediate Algebra (<i>or higher</i>)	3	PSYC 103	Human Relations in the Workplace	3
ORT 010	Orientation	1		Total Credit Hours	17
	Total Credit Hours	19			
Third Semester			Fourth Semester		
		CR			CR
CN 128	Cisco Academy/Networking III	3	CN 130	Cisco Academy/Networking IV	3
CN 220	Designing Security for MS Windows Network	3	CN 215	Network Design & Virtualization	3
			CN 230	Computer Forensics	3
CNS 221	Troubleshooting II	3	CN 227	Heterogeneous Networks	3
CNS 211	Linux Server	3	ENGL 202	Technical Communications	3
ECN 202	Principles of Economics <i>or</i>	3		Total Credit Hours	16
SOC 100	Introduction to Sociology				
MATH 120	Trigonometry	3			
	Total Credit Hours	18			

CNS 299 Internship: This class may be used as a substitute for any second year 3-credit course based on location and substance of the internship opportunity. This class is available for AAS students and Programming Diploma students.

Two-Semester Diploma: CCNA Cisco Academy/Computer Network Technician

Semester Breakdown

First Semester			Second Semester		
		CR			CR
CNS 112	A+ Hardware/Software	6	CN 126	Cisco Academy/Networking I	3
CNS 114	Networking Essentials	3	CN 127	Cisco Academy/Networking II	3
CNS 129	Computer Operating Systems	3	CN 213	Networking Using Microsoft Wind Server	3
CIS 109	Word, Level I	1			
CIS 112	Excel, Level I	1	CN 223	Collaborative Technologies	3
CIS 116	Access, Level I	1	ENGL 101	Composition	3
MATH 101	Intermediate Algebra (<i>or higher</i>)	3	PSYC 103	Human Relations in the Workplace	3
ORT 010	Orientation	1		Total Credit Hours	18
	Total Credit Hours	19			

PROGRAMMING & COMPUTER NETWORKING WITH EMPHASIS IN PROGRAMMING

Associate in Applied Science, 70 Credit Hours, 18-Month Program

The Programming and Computer Networking with Emphasis in Programming degree strikes a balance between theory and application. Students will learn about real-life networking environments, making them immediately productive upon graduation and prepared to take on a variety of information technology (IT) roles. The year of computer networking theory builds a solid foundation of basic hands-on computer skills and networking concepts. The year of programming includes a solid foundation in programming and database administration.

Employment opportunities may be available in network administration or programming or both, dependant on the interest of the graduate and the skill set required by an employer. This popular degree allows exploration and produces a well-rounded graduate with extensive roots in the broad Information Technology field. Strong math, logic, and communications skills are essential for success. More extensive descriptions of typical field-related activities may be found in the related degrees of **Programming and Application Development AND Programming and Computer Networking with Emphasis in Network Administration**. Students are also prepared to continue their learning and advancing within the IT and Programming fields.

There are opportunities for two-semester diplomas in Programming. It is acceptable to take programming coursework in year one and networking coursework in year two, if desired.

Course No.	Course Title	Credits
General Education Requirements		
CIS 109	WORD, LEVEL I	1
CIS 112	EXCEL, LEVEL I	1
CIS 116	ACCESS, LEVEL I	1
ENGL 101	COMPOSITION*	3
ENGL 202	TECHNICAL COMMUNICATIONS	3
ECN 202	PRINCIPLES OF ECONOMICS(MACRO) <i>or</i>	3
SOC 100	INTRODUCTION TO SOCIOLOGY	3
MATH 101	INTERMEDIATE ALGEBRA** (<i>or higher</i>)	3
MATH 120	TRIGONOMETRY	3
ORT 010	ORIENTATION	1
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	3
	Total	22
Technical Requirements		
CNS 112	A+ HARDWARE/SOFTWARE	6
CNS 114	NETWORKING ESSENTIALS	3
CNS 129	COMPUTER OPERATING SYSTEMS	3
CNS 216	INTRODUCTION TO PROGRAMMING	3
CNS 217	PROGRAMMING LOGIC AND DESIGN	3
CNS 218	INTERMEDIATE PROGRAMMING	3
CNS 219	DATABASES	3
PCN 120	WEB DEVELOPMENT TOOLS	3
PCN 125	WEB PROGRAMMING LANGUAGES	3
PCN 126	SYSTEMS ANALYSIS AND DESIGN	3
PCN 128	PROGRAMMING LANGUAGE CONCEPTS	3
CN 126	CISCO ACADEMY/NETWORKING I	3
CN 127	CISCO ACADEMY/NETWORKING II	3
CN 213	WINDOWS NETWORK INFRASTRUCTURE	3
CN 223	COLLABORATIVE TECHNOLOGIES	3
	Total	48

*Prerequisite: Acceptable COMPASS score or Basic Writing.

**Prerequisite: Acceptable COMPASS score or Elementary Algebra.

CNS 299 Internship: This class may be used as a substitute for any second year 3-credit course based on location and substance of the internship opportunity. This class is available for AAS students and Programming Diploma students.

Semester breakdown on next page

Semester Breakdown Programming

First Semester			Second Semester		
		CR			CR
CNS 112	A+ Hardware/Software	6	CN 126	Cisco Academy/Networking I	3
CNS 114	Networking Essentials	3	CN 127	Cisco Academy/Networking II	3
CNS 129	Computer Operating Systems	3	CN 213	Windows Network Infrastructure	3
CIS 109	Word, Level I	1	CN 223	Collaborative Technologies	3
CIS 112	Excel, Level I	1	ENGL 101	Composition	3
CIS 116	Access, Level I	1	PSYC 103	Human Relations in the Workplace	3
MATH 101	Intermediate Algebra (<i>or higher</i>)	3			18
ORT 010	Orientation	1		Total Credit Hours	
	Total Credit Hours	19			
Third Semester			Fourth Semester		
		CR			CR
CNS 219	Databases	3	CNS 216	Introduction to Programming	3
PCN 120	Web Development Tools	3	CNS 217	Programming Logic and Design	3
PCN 125	Web Programming Languages	3	CNS 218	Intermediate Programming	3
PCN 126	Systems Analysis & Design	3	PCN 128	Programming Language Concepts	3
ECN 202	Principles of Economics <i>or</i>	3	ENGL 202	Technical Communications	3
SOC 100	Introduction to Sociology			Total Credit Hours	15
MATH 120	Trigonometry	3			
	Total Credit Hours	18			

Two-Semester Diploma: Programming

Semester Breakdown

First Semester			Second Semester		
		CR			CR
CNS 219	Databases	3	CNS 216	Introduction to Programming	3
PCN 120	Web Development Tools	3	CNS 217	Programming Logic and Design	3
PCN 125	Web Programming Languages	3	CNS 218	Intermediate Programming	3
PCN 126	Systems Analysis & Design	3	PCN 128	Programming Language Concepts	3
CIS 109	Word Level I	1	ENGL 101	Composition	3
CIS 112	Excel Level I	1	PSYC 103	Human Relations in the Workplace	3
CIS 116	Access Level I	1		Total Credit Hours	18
MATH 101	Intermediate Algebra	3			
ORT 010	Orientation	1			
	Total Credit Hours	19			

SURGICAL TECHNOLOGY

Diploma, 52 Credit Hours, 11-Month Program

The mission of the Surgical Technology program is to provide students with the knowledge, skills, and dedication necessary to become successful, valuable, and effective surgical technologists in the communities that they serve.

Surgical technologists are vital members of the surgical team and are involved in all aspects of a patient's care while in surgery. Surgical technologists are relied upon by surgeons, nurses, anesthesia providers, and numerous other healthcare professionals to be the technical specialists in a vast area of expertise. Surgical technologists use a wide variety of knowledge and abilities in surgical sciences, anatomy and physiology, microbiology, and patient care to provide vital support to the patient and the surgical team. The discipline of surgery is an ever-changing arena of healthcare, making considerable leaps in technology, techniques, and interventions almost daily. Surgical technologists stand at the leading edge of this revolution, using their professionalism, expertise, and abilities to make a difference.

Course No.	Course Title	Credits
General Education Requirements		
CIS 100	INTRODUCTION TO KEYBOARDING <i>or</i>	1
CIS 114	POWERPOINT, LEVEL I	
CIS 109	WORD, LEVEL I	1
CIS 112	EXCEL, LEVEL I	1
ENGL 101	COMPOSITION	3
ORT 010	ORIENTATION	1
PSYC 101	GENERAL PSYCHOLOGY	3
Total		10
Technical Requirements		
HC 113	MEDICAL TERMINOLOGY FOR THE HEALTH PROFESSIONS	2
HC 114	ANATOMY/PHYSIOLOGY FOR THE HEALTH PROFESSIONS	3
HC 117	MICROBIOLOGY FOR THE HEALTH SCIENCES	3
ST 102	INTRO TO SURGICAL TECHNOLOGY	3
ST 111	INTRO TO SURGICAL TECHNOLOGY LAB	3
ST 125	PRINCIPLES & PRACTICES OF SURGICAL TECHNOLOGY	3
ST 126	SURGICAL PROCEDURES	7
ST 127	SCIENCE & TECHNOLOGIES FOR THE SURGICAL TECHNOLOGIST	1
ST 128	SURGICAL PHARMACOLOGY	2
ST 135	CLINICAL PRACTICE	3
ST 136	CLINICAL PRACTICE II	6
ST 137	CLINICAL PRACTICE III	6
Total		42

Prerequisite: Successful completion of first semester health courses is a prerequisite to second semester health courses.

*Prerequisite: Acceptable COMPASS score or Basic Writing.

Semester Breakdown

First Semester			Second Semester		
		CR			CR
CIS 109	Word, Level I	1	ST 128	Surgical Pharmacology	2
CIS 100	Introduction to Keyboarding <i>or</i>	1	ST 126	Surgical Procedures	7
CIS 114	PowerPoint, Level I		ST 125	Principles & Practices of Surgical Technology	3
ST 102	Introduction to Surgical Technology	3	ST 127	Science & Technologies for the Surgical Technologist	1
ST 111	Introduction to Surgical Technology Lab	3	ST 135	Clinical Practice	3
HC 113	Medical Terminology for the Health Professions	2	CIS 112	Excel, Level I	1
HC 114	Anatomy/Physiology for the Health Professions	3	PSYC 101	General Psychology	3
HC 117	Microbiology for the Health Sciences	3	Total Credit Hours		20
ORT 010	Orientation	1			
ENGL101	Composition	3			
Total Credit Hours		20			
Third Semester (Summer)					
		CR			
ST 136	Clinical Practice II	6			
ST 137	Clinical Practice III	6			
Total Credit Hours		12			

TRANSPORTATION TECHNOLOGY

Associate in Applied Science, 71/73 Credit Hours, 18-Month Program

The Transportation Technology Program will provide education in most types of land transportation, vehicles, and construction equipment to include cars, trucks, tractors, construction equipment, and mining equipment. Students will have the option of selecting light vehicle or heavy equipment tracks. This program will provide a broader preparation for the mechanical occupations with separate focuses on lighter and heavy duty vehicles.

Course No.	Course Title	Credits
General Education Requirements		
CIS 109	WORD, LEVEL I	1
CIS 112	EXCEL, LEVEL I	1
CIS 114	POWERPOINT, LEVEL I	1
CPR 100	CPR/FIRST RESPONDER	1
ECN 202	PRINCIPLES OF ECONOMICS (MACRO) <i>or</i>	3
SOC 100	INTRODUCTION TO SOCIOLOGY	
ENGL 101	COMPOSITION* <i>or</i>	3
ENGL 201	TECHNICAL WRITING I*	
ENGL 102	CAREER COMMUNICATIONS <i>or</i>	2/
ENGL 202	TECHNICAL COMMUNICATIONS	3
MATH 104	TECHNICAL MATH**	3
ORT 010	ORIENTATION	1
PSYC 101	GENERAL PSYCHOLOGY <i>or</i>	3
PSYC 103	HUMAN RELATIONS IN THE WORKPLACE	
Total		19/20
Technical Requirements for Light Duty		
ATT 112	CHASSIS & STEERING	4
ATT 113	BRAKE SYSTEMS	4
ATT 114	STANDARD TRANS & FINAL DRIVE	3
ATT 226	AIR CONDITIONING	2
ATT 232	ENGINE OVERHAUL	4
ATT 233	AUTOMATIC TRANSMISSIONS	5
TTT 100	OCCUPATIONAL SKILLS	2
TTT 102	INTRODUCTION TO ELECTRONICS	3
TTT 103	VEHICLE ELECTRONICS	3
TTT 104	STARTING & CHARGING SYSTEMS	2
TTT 107	ENGINE PERFORMANCE & DRIVABILITY	4
TTT 115	ENGINE CONSTRUCTION & OPERATION	3
TTT 118	ELECTRONIC FUEL INJECTION	6
TTT 120	SHOP & PARTS MANAGEMENT	1
TTT 121	INTRO TO HYBRIDS	1
TTT 122	CHASSIS WIRING	1
TTT 129	WELDING & EQUIPMENT	2
DMS 205	HYDRAULICS	3
Total		53
Technical Requirements for Heavy Duty		
DMS 126	DRIVE TRAIN	3
DMS 127	HVAC	2
DMS 203	DIESEL ENGINES	4
DMS 205	HYDRAULICS	3
DMS 228	CDL TRAINING (CLASS B) <i>or</i>	3
DMS 299	INTERNSHIP	
DMS 230	STEERING & SUSPENSION	4
DMS 234	BRAKES	4
TTT 100	OCCUPATIONAL SKILLS	2
TTT 102	INTRODUCTION TO ELECTRONICS	3
TTT 103	VEHICLE ELECTRONICS	3
TTT 104	STARTING & CHARGING SYSTEMS	2
TTT 107	ENGINE PERFORMANCE & DRIVABILITY	4
TTT 115	ENGINE CONSTRUCTION & OPERATION	3
TTT 118	ELECTRONIC FUEL INJECTION	6
TTT 129	WELDING & EQUIPMENT	2
TTT 130	PREVENTATIVE MAINTENANCE	3
Total		51

*Prerequisite: Acceptable COMPASS score or Basic Writing.

**Prerequisite: Acceptable COMPASS score or Basic Math.

Semester Breakdown Light Duty

First Semester			Second Semester		
		CR			CR
TTT 100	Occupational Skills	2	TTT 107	Engine Performance	4
TTT 102	Introduction to Electronics	3	TTT 118	Electronic Fuel Injection	6
TTT 103	Vehicle Electronics	3	TTT122	Chassis Wiring	1
TTT 104	Starting & Charging Systems	2	TTT 121	Intro to Hybrids	1
TTT 115	Engine Construction & Operation	3	TTT 120	Shop & Parts Management	1
CIS 109	Word, Level I	1	CPR 100	CPR/First Responder	1
CIS 112	Excel, Level I	1	MATH 104	Technical Mathematics	3
CIS 114	PowerPoint, Level I	1		Total Credit Hours	17
ORT 010	Orientation	1			
	Total Credit Hours	17			
Third Semester			Fourth Semester		
		CR			CR
ATT 112	Chassis & Steering	4	ATT 226	Air Conditioning	2
ATT 113	Brake Systems	4	ATT 232	Engine Overhaul	4
ATT 114	Standard Trans & Final Drive	3	ATT 233	Automatic Transmissions	5
TTT 129	Welding & Equipment	2	DMS 205	Hydraulics	3
ECN 202	Principles of Economics-Macro	3	ENGL 102	Career Communication <i>or</i>	2/
	<i>or</i>		ENGL 202	Technical Communications	3
SOC 100	Introduction to Sociology		PSYC 101	General Psychology <i>or</i>	3
ENGL101	Composition <i>or</i>	3	PSYC 103	Human Relations in the Workplace	
ENGL201	Technical Writing I			Total Credit Hours	19/
	Total Credit Hours	19			20

Semester Breakdown Heavy Duty

First Semester			Second Semester		
		CR			CR
TTT 100	Occupational Skills	2	TTT 107	Engine Performance	4
TTT 102	Introduction to Electronics	3	TTT 118	Electronic Fuel Injection	6
TTT 103	Vehicle Electronics	3	TTT 130	Preventative Maintenance	3
TTT 104	Starting & Charging Systems	2	CPR 100	CPR/First Responder	1
TTT 115	Engine Construction & Operation	3	MATH 104	Technical Mathematics or Higher	3
CIS 109	Word, Level I	1		Total Credit Hours	17
CIS 112	Excel, Level I	1			
CIS 114	PowerPoint, Level I	1			
ORT 010	Orientation	1			
	Total Credit Hours	17			
Third Semester			Fourth Semester		
		CR			CR
DMS 234	Brakes	4	DMS 127	HVAC	2
DMS 126	Drive Train	3	DMS 203	Diesel Engines	4
DMS 205	Hydraulics	3	DMS 228	CDL Training (Class B) <i>or</i>	3
DMS 230	Steering & Suspension		DMS 299	Internship	
ECN 202	Principles of Economics-Macro	4	TTT 129	Welding & Equipment	2
	<i>or</i>	3	ENGL 102	Career Communications <i>or</i>	2/
SOC 100	Introduction to Sociology		ENGL 202	Technical Communications	3
ENGL 101	Composition <i>or</i>		PSYC 101	General Psychology <i>or</i>	3
ENGL 201	Technical Writing I	3	PSYC 103	Human Relations in the Workplace	
	Total Credit Hours	20		Total Credit Hours	16/
					17

WELDING MANUFACTURING

Associate in Applied Science, 73 Credit Hours, 20-Month Program

Diploma, 49 Credit Hours, 11-Month Program

The Welding Manufacturing program prepares students for careers in the welding/machining field. The combination of classroom theory, hands-on welding/machining skills training, and practical application in labs allows students to attain skills for entry-level employment.

Welding Manufacturing is designed to prepare students as entry-level technicians in many areas including the construction and repair of ships, automobiles, spacecraft, and thousands of other manufactured products. Welding and machining are the most common means of permanently joining and forming metal parts. Students will study welding techniques with various types of welding equipment, manual and automated machining processes and procedures, computer aided drafting (CAD), and the operation of computer numerical control (CNC). Welders require a wide variety of skills that will continue to increase due to the increase of sophisticated fabrication tasks and repair work. This program advances the student's welding and machining skills, thus increasing employment opportunities. In addition, students have the opportunity to expand their welding certifications.

Course	No.	Course Title	Credits
General Education Requirements			
CIS	100	INTRODUCTION TO KEYBOARDING	1
CIS	109	WORD, LEVEL I	1
CIS	112	EXCEL, LEVEL I	1
ENGL	101	COMPOSITION* <i>or</i>	3
ENGL	201	TECHNICAL WRITING I	
ENGL	102	CAREER COMMUNICATIONS	2
MATH	104	TECHNICAL MATHEMATICS**	3
ORT	010	ORIENTATION	1
PSYC	101	GENERAL PSYCHOLOGY <i>or</i>	3
PSYC	103	HUMAN RELATIONS IN THE WORKPLACE	
ECN	202	PRINCIPLES OF ECONOMICS-MACRO <i>or</i>	3
SOC	100	INTRO TO SOCIOLOGY	
		Total	18
Technical Requirements			
WDM	110	SHIELDED METAL ARC WELDING	3
WDM	120	GAS TUNGSTEN ARC WELDING AND CUTTING PROCEDURES	4
WDM	127	MILL AND LATHE OPERATION, MANUAL I	3
WDM	122	GAS METAL ARC WELDING	3
WDM	124	SHIELDED METAL ARC WELDING GROOVED PLATE	3
WDM	128	MILL AND LATHE OPERATION, MANUAL II	3
WDM	135	GAS METAL ARC WELDING GROOVED PLATE	3
WDM	131	SHIELDED METAL ARC WELDING TESTING	3
WDM	132	GAS METAL ARC WELDING TESTING	3
WDM	133	WORK SITE INTERNSHIP	3
WDM	248	ADVANCED PRODUCTION I	3
WDM	140	BLUEPRINT READING AND SOLIDWORKS FUNDAMENTALS	3
WDM	246	ADVANCED MANUFACTURING I	3
WDM	247	ADVANCED AUTOMATED MANUFACTURING I	3
WDM	236	PIPE WELDING I	3
WDM	237	FLUX CORE ARC WELDING	3
WDM	238	ADVANCED MACHINING I	3
WDM	249	ADVANCED GAS TUNGSTEN ARC WELDING	3
		Total	55

*Prerequisite: Acceptable COMPASS score or Basic Writing.

**Prerequisite: Acceptable COMPASS score or Basic Math.

Semester breakdown on next page

Semester Breakdown Diploma

First Semester			Second Semester		
		CR			CR
WDM 110	Shielded Metal Arc Welding	3	WDM 124	Shielded Metal Arc Welding	3
WDM 120	Gas Tungsten Arc Welding and Cutting Procedures	4	WDM 128	Mill and Lathe Operation Manual II	3
WDM 127	Mill & Lathe Operation, Manual I	3	WDM 135	Gas Metal Arc Welding Grooved Plate	3
WDM 122	Gas Metal Arc Welding	3	WDM 140	Blue Print Reading/Solid Works Fundamentals	3
ORT 010	Orientation	1	PSYC 101	General Psychology <i>or</i>	3
CIS 100	Introduction to Keyboarding	1	PSYC 103	Human Relations in the Workplace	3
CIS 109	Word, Level I	1	MATH 104	Technical Mathematics	3
CIS 112	Excel, Level I	1		Total Credit Hours	18
	Total Credit Hours	17			
Summer Semester					
		CR			
WDM 131	Shielded Metal Arc Welding Qualification Testing	3			
WDM 132	Gas Metal Arc Welding Qualification Testing	3			
WDM 236	Pipe Welding I	3			
WDM 237	Flux Core Arc Welding	3			
ENGL 102	Career Communications	2			
	Total Credit Hours	14			

Semester Breakdown AAS

First Semester			Second Semester		
		CR			CR
WDM 110	Shielded Metal Arc Welding	3	WDM 124	Shielded Metal Arc Welding Grooved Plate	3
WDM 120	Gas Tungsten Arc Welding and Cutting Procedures	4	WDM 128	Mill and Lathe Operation Manual II	3
WDM 127	Mill & Lathe Operation, Manual I	3	WDM 135	Gas Metal Arc Welding Grooved Plate	3
WDM 122	Gas Metal Arc Welding	3	WDM 140	Blue Print Reading/Solid Works Fundamentals	3
ORT 010	Orientation	1	PSYC 101	General Psychology or	3
CIS 100	Introduction to Keyboarding	1	PSYC 103	Human Relations in the Workplace	3
CIS 109	Word, Level I	1	MATH 104	Technical Mathematics	3
CIS 112	Excel, Level I	1	ENGL 102	Career Communications	2
	Total Credit Hours	17		Total Credit Hours	20
Third Semester			Fourth Semester		
		CR			CR
WDM 131	Shielded Metal Arc Welding Qualification Testing	3	WDM 133	Worksite Internship	3
WDM 132	Gas Metal Arc Welding Qualification Testing	3	WDM 246	Advanced Manufacturing I	3
WDM 236	Pipe Welding I	3	WDM 247	Advanced Automated Manufacturing I	3
WDM 237	Flux Core Arc Welding	3	WDM 248	Advanced Production I	3
WDM 238	Advanced Machining I	3	WDM 249	Advanced Gas Tungsten Arc Welding	3
ENGL 101	Composition <i>or</i>	3	ECN 202	Principals of Economics Macro <i>or</i>	3
ENGL 201	Technical Writing I	3	SOC 100	Introduction to Sociology	3
	Total Credit Hours	18		Total Credit Hours	18
<p>These classes will also be offered in the summer. See instructor for details.</p>					