

Professional Technical • Carpentry Technology • Computer Reporting Technologies

Carpentry Technology— Residential Interior Finish Level 1

Certificate of Proficiency 16 Credits

This certificate program offers students the basic skills and knowledge required to find employment with specialty or general contractors whose focus is interior finishing. Students will develop basic skills in drywall installation and finishing interior doors, installing running and standing trim, installing various interior accessories, and basic cabinet installation. In addition, students will learn portable power tool usage designed specifically for interior trim, interior material knowledge, and specifications.

Contacts: Glen Martin, ext. 4208 Paul Mueller, ext. 2635
gmartin@greenriver.edu pmueller@greenriver.edu

Dept./No.	Course Title	Credits
Carp 103.1	Residential & Light Commercial Carpentry	13
Carp 103.2	Carpentry Seminar 3	3

Carpentry Technology— Residential Interior Finish Level 2

Certificate of Proficiency 26 Credits

This certificate program offers students the additional skills and knowledge that can lead to advancement when working for specialty or general contractors whose focus is interior finishing. Students will develop skills in cabinet construction, advanced cabinet installation techniques, countertop construction and installation (laminated and basic solid surface products), kitchen/bath design, and material estimating.

Contacts: Glen Martin, ext. 4208 Paul Mueller, ext. 2635
gmartin@greenriver.edu pmueller@greenriver.edu

Dept./No.	Course Title	Credits
Carp 103.1	Residential & Light Commercial Carpentry	13
Carp 103.2	Carpentry Seminar 3	3
Carp 146	Basic Cabinet Construction	4
Carp 147	Kitchen Design & Remodel	6

Carpentry Technology— Intermediate Construction Management Skills

Certificate of Proficiency 36 Credits

This certificate program offers students the further skills needed to manage their own construction company, or be employed to manage a mid-size construction company.

This certificate does not qualify for federal financial aid or VA funding.

Contacts: Glen Martin, ext. 4208 Paul Mueller, ext. 2635
gmartin@greenriver.edu pmueller@greenriver.edu

Dept./No.	Course Title	Credits
B A 101	Business, Government & Society	5
Bus E 163	Advanced Excel	5
Bus E 255	Advanced Word	5
Carp 144	Residential Blueprint Reading	3
Carp 148	Material Estimating	4
D T 110	Introduction to AutoCAD	4
D T 125	Civil Drafting 1	5
D T 141	Architectural Drafting 1	5

Computer Reporting Technologies— Captioning – Sequence A

Associate in Applied Arts Degree 116-197 Credits

Realtime captioning is done by specially trained court reporters called “stenocaptioners.” The stenocaptioner utilizes a steno machine to provide captions of live television programs and other forms of media for hearing-impaired viewers through realtime technology that instantly produces readable English text. Broadcast captioners work for local stations and for national networks captioning news, emergency broadcasts, sporting events, and other programming.

Another facet of the captioning process is called Communication Access Realtime Translation (CART). This area allows stenocaptioners to provide more personalized services for hearing impaired people. Most hearing-impaired people lose their hearing postlingually—after acquiring reading and speaking skills—and many of them do not become as proficient with a sign language as they are at reading text. CART reporters may accompany deaf or hearing-impaired clients as needed to classes, meetings, conferences, doctor appointments, church services, etc., to provide instant conversion of speech into text using the steno machine linked to a laptop computer.

Postproduction captioning is the process by which the script text is placed onto a video in order that a hearing-impaired individual can view the tape and read the audio portion that would otherwise be missed. Postproduction captioning utilizes additional hardware for synchronizing the visible text to the timing of the audio and then recording or “burning” the text onto another videotape to create a captioned version of the original.

The Green River Computer Reporting Technologies program is approved by the National Court Reporters Association. All students entering the program must be high school graduates or have earned a GED certificate.

Upon completion of the required classes, students qualify for the Associate in Applied Arts degree in Captioning. They must have completed a minimum of 40 hours of internship encompassing both realtime and postproduction captioning.

In addition to the course work, there are recommended state and/or national examinations that a student should pass to become a captioner or CART provider.

Contacts: Lori Rapozo, ext. 4219 Sidney Weldele-Wallace, ext. 4705
lrapozo@greenriver.edu sweldele@greenriver.edu

Dept./No.	Course Title	Credits
# B A 145 or Bus E 110 or Math 072	Business Computation or Business Math Applications or Eligible for Math 072	0-5
Bus E 107 or Bus E 108 or * Typing test	Typing Speed & Accuracy 1 or Typing Speed & Accuracy 2 or 60 wpm with fewer than 5 errors	0-4

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Bus E 109	Legal Terminology	3	
# Bus E 130 or	Business Correspondence or		
Engl 102 or	Practical College Writing or		
Engl 110	College Writing	5	
# Comm 100 or	Fundamentals of Oral Communication or		
Comm 101	Basic Speech Communication	5	
Engl 090 or	Spelling Improvement or		
Spelling Test	Spelling pre-test score of 90% or above	0-3	
Crpt 080	Machine Shorthand Lab	0-1	
Crpt 100.1	Machine Shorthand Theory 1	5	
Crpt 100.2	Machine Shorthand Theory 2	5	
Crpt 101.1	Machine Shorthand Theory 3	5	
Crpt 101.2	Machine Shorthand – 60 wpm	5	
Crpt 102	Machine Shorthand – 80 wpm	8-12	
Crpt 133	Machine Shorthand – 100 wpm	8-16	
Crpt 134	Machine Shorthand – 120 wpm	8-16	
Crpt 135	Machine Shorthand – 140 wpm	8-16	
Crpt 136	Machine Shorthand – 160 wpm	8-16	
# Crpt 153	Court Reporting Procedures 1	5	
Crpt 201	Machine Shorthand – 180 wpm	8-16	
Crpt 202	Machine Shorthand – 200 wpm	8-16	
Crpt 203	Machine Shorthand – 225 wpm	8-16	
Crpt 250	Computer-Aided Transcription	3	
Crpt 251	Introduction to Captioning/Alternative Careers	3	
Crpt 252 and	Captioning Internship 1 and	(4)	
Crpt 253 and	Captioning Internship 2 and	(4)	
Crpt 254 or	Captioning Internship 3 or	(4)	
Crpt 177-179 and	Court Reporting/Captioning Work Experience and	(12)	
Coop 171	Work Experience Seminar	(1)	4-12
Edec 220	Introduction to Sign Language 1	2	
Engl 108	Medical Terminology	2	

To enhance the student's preparation for future employment, the following are recommended:

B A 110	Practical Financial Accounting	5	
B A 205	Business Law	5	
Bus 103	Business Leadership	5	
Bus E 184	Internet & Basic Web Design	5	
Bus E 266	Inside Microsoft Office	5	
Edec 221	Sign Language 2	2	
Engl 106	Vocabulary Mastery	5	
Lib 101	Searching Electronic Databases	2	
Lib 102	Searching the Web	1	

Additional Suggested Electives: Electives might not be eligible for financial aid or veteran's benefits. (See your financial aid advisor.)

Bus E 100	Fundamentals of Microcomputers	5	
Bus E 100.1	Microcomputer Fundamentals: Internet	2	
Bus E 100.2	Microcomputer Fundamentals: Word	2	
Bus E 112	Beginning Word	5	
Bus E 255	Advanced Word	5	
Phil 112	Ethics in the Workplace	5	

Satisfies related instruction requirements.

* Keyboarding/typing skills may be demonstrated by passing two 5-minute typing tests at 60 wpm with 5 or less errors using the proper typing techniques administered by the Business Education Department.

Computer Reporting Technologies– Captioning – Sequence B

Associate in Applied Arts Degree
90-137 Credits

Contacts: Lori Rapozo, ext. 4219 Sidney Weldele-Wallace, ext. 4705
lrapozo@greenriver.edu sweldele@greenriver.edu

Dept./No.	Course Title		Credits
# B A 145 or	Business Computation or		
Bus E 110 or	Business Math Applications or		
Math 072	Eligible for Math 072		0-5
Bus E 107 or	Typing Speed & Accuracy 1 or		
Bus E 108 or	Typing Speed & Accuracy 2 or		
* Typing test	60 wpm with fewer than 5 errors		0-4
Bus E 109	Legal Terminology		3
# Bus E 130 or	Business Correspondence or		
Engl 102 or	Practical College Writing or		
Engl 110	College Writing		5
# Comm 100 or	Fundamentals of Oral Communication or		
Comm 101	Basic Speech Communication		5
Engl 090 or	Spelling Improvement or		
Spelling Test	Spelling pre-test score of 90% or above		0-3
Crpt 080	Machine Shorthand Lab		0-1
Crpt 090	Machine Shorthand Theory		3-4
Crpt 091	Machine Shorthand Advanced Theory		3-4
Crpt 092	Machine Shorthand – 40 wpm		3-4
Crpt 093	Machine Shorthand – 60 wpm		3-4
Crpt 094	Machine Shorthand – 80 wpm		5-6
Crpt 095	Machine Shorthand – 100 wpm		5-6
Crpt 096	Machine Shorthand – 120 wpm		5-6
Crpt 097	Machine Shorthand – 140 wpm		5-6
Crpt 098	Machine Shorthand – 160 wpm		5-6
Crpt 099	Machine Shorthand – 180 wpm		5-6
# Crpt 153	Court Reporting Procedures		5
Crpt 202	Machine Shorthand – 200 wpm		8-16
Crpt 203	Machine Shorthand – 225 wpm		8-16
Crpt 250	Computer-Aided Transcription		3
Crpt 251	Introduction to Captioning/Alternative Careers		3
Crpt 252 and	Captioning Internship 1 and	(4)	
Crpt 253 and	Captioning Internship 2 and	(4)	
Crpt 254 or	Captioning Internship 3 or	(4)	
Crpt 177-179 and	Court Reporting/Captioning Work Experience and	(12)	
Coop 171	Work Experience Seminar	(1)	4-12
Edec 220	Introduction to Sign Language 1		2
Engl 108	Medical Terminology		2

To enhance the student's preparation for future employment, the following are recommended:

B A 110	Practical Financial Accounting	5	
B A 205	Business Law	5	
Bus 103	Business Leadership	5	
Bus E 184	Internet & Basic Web Design	5	
Bus E 266	Inside Microsoft Office	5	
Edec 221	Sign Language 2	2	
Engl 106	Vocabulary Mastery	5	
Lib 101	Searching Electronic Databases	2	
Lib 102	Searching the Web	1	

Additional Suggested Electives: Electives might not be eligible for financial aid or veteran's benefits. (See your financial aid advisor.)

Bus E 100	Fundamentals of Microcomputers	5	
Bus E 100.1	Microcomputer Fundamentals: Internet	2	
Bus E 100.2	Microcomputer Fundamentals: Word	2	
Bus E 112	Beginning Word	5	
Bus E 255	Advanced Word	5	
Phil 112	Ethics in the Workplace	5	

Satisfies related instruction requirements.

* Keyboarding/typing skills may be demonstrated by passing two 5-minute typing tests at 60 wpm with 5 or less errors using the proper typing techniques administered by the Business Education Department.

Professional Technical • Computer Reporting Technologies

**Computer Reporting Technologies—
Court Reporting – Sequence A**

**Associate in Applied Art Degree
138-215 Credits**

Court Reporters record the verbatim proceedings of a courtroom, deposition, hearing, arbitration, or meeting and provide an accurate transcript of the proceedings. Students learn how to prepare the transcript with the use of a computer. Additionally, students are trained in realtime writing and captioning for the hearing-impaired and nonhearing community. This skill affords new job opportunities.

Official court reporters record the proceedings in a court or hearing room. Freelance reporters may work in various offices or locations as the job necessitates and may be employed by a reporting firm.

The Green River Court Reporting program is accredited by the National Court Reporters Association. All students entering the Court Reporting program must be high school graduates or have earned a GED certificate.

Upon completion of the required classes, students qualify for the Associate in Applied Arts degree in Court Reporting. They must have completed 60 hours of internship of which 50 hours is actual writing time during internship training; passed three 5-minute tests with 96% accuracy or above on literary at 180 wpm and jury charge at 200 wpm; and passed four 5-minute tests on Q&A (two-voice) at 225 wpm, two with 95% accuracy and two with 96% accuracy or above.

In addition to the course work, there are state and/or national examinations that a student should pass to become a court reporter. Reporters must pass the Washington State Licensing examination in order to be certified to work in the state of Washington.

Contacts: Lori Rapozo, ext. 4219 Sidney Weldele-Wallace, ext. 4705
lrapozo@greenriver.edu sweldele@greenriver.edu

Dept./No.	Course Title	Credits
AP 100	Survey of Human Anatomy-Physiology	5
# B A 145 or	Business Computation or	
Bus E 110 or	Business Math Applications or	
Math	Eligible for Math 072	0-5
B A 205	Business Law	5
Bus E 107 or	Typing Speed & Accuracy 1 or	
Bus E 108 or	Typing Speed & Accuracy 2 or	
* Typing Test	60 wpm with fewer than 5 errors	0-4
Bus E 109	Legal Terminology	3
# Bus E 130 or	Business Correspondence or	
Engl 102 or	Practical College Writing or	
Engl 110	College Writing	5
# Comm 100 or	Fundamentals of Oral Communication or	
Comm 101	Basic Speech Communication	5
Engl 090 or	Spelling Improvement or	
Spelling Test	Spelling pre-test score of 90% or above	0-3
Crpt 080	Machine Shorthand Lab	0-1
Crpt 100.1	Machine Shorthand Theory 1	5
Crpt 100.2	Machine Shorthand Theory 2	5
Crpt 101.1	Machine Shorthand Theory 3	5
Crpt 101.2	Machine Shorthand – 60 wpm	5
Crpt 102	Machine Shorthand – 80 wpm	8-12
Crpt 133	Machine Shorthand – 100 wpm	8-16
Crpt 134	Machine Shorthand – 120 wpm	8-16
Crpt 135	Machine Shorthand – 140 wpm	8-16
Crpt 136	Machine Shorthand – 160 wpm	8-16
# Crpt 153	Court Reporting Procedures 1	5
# Crpt 154	Court Reporting Procedures 2	5

Crpt 177-179 and	Court Reporting/Captioning Work Experience and	2-6
Coop 171	Work Experience Seminar	1
Crpt 201	Machine Shorthand – 180 wpm	8-16
Crpt 202	Machine Shorthand – 200 wpm	8-16
Crpt 203	Machine Shorthand – 225 wpm	8-16
Crpt 250	Computer-Aided Transcription	3
Crpt 251	Introduction to Captioning/Alternative Careers	3
Engl 105	Grammar & Usage	5
Engl 106	Vocabulary Mastery	5
Engl 108	Medical Terminology	2

To enhance the student's preparation for future employment, the following are recommended:

B A 110	Practical Financial Accounting	5
Bus E 184	Internet & Basic Web Design	5
Bus E 266	Inside Microsoft Office	5
Lib 102	Searching the Web	1

Additional Suggested Electives: Electives might not be eligible for financial aid or veteran's benefits. (See your financial aid advisor.)

Bus E 100.1	Microcomputer Fundamentals: Internet	2
Bus E 100.2	Microcomputer Fundamentals: Word	2
Bus E 112	Beginning Word	5
Bus E 140	Records Management	5
Bus E 150	Introduction to Windows	5
Bus E 162	Introduction to Excel	5
Bus E 255	Advanced Word	5
CRJ 100	Introduction to Criminal Justice	5
CRJ 255	Forensics: An Introduction to Criminalistics	5

Satisfies related instruction requirement.

* Keyboarding/typing skills may be demonstrated by passing two 5-minute typing tests at 60 wpm with 5 or less errors using the proper typing techniques administered by the Business Education Department.

**Computer Reporting Technologies—
Court Reporting – Sequence B**

**Associate in Applied Art Degree
113-160 Credits**

Contacts: Lori Rapozo, ext. 4219 Sidney Weldele-Wallace, ext. 4705
lrapozo@greenriver.edu sweldele@greenriver.edu

Dept./No.	Course Title	Credits
AP 100	Survey of Human Anatomy-Physiology	5
# B A 145 or	Business Computation or	
Bus E 110 or	Business Math Applications or	
Math	Eligible for Math 072	0-5
B A 205	Business Law	5
Bus E 107 or	Typing Speed & Accuracy 1 or	
Bus E 108 or	Typing Speed & Accuracy 2 or	
* Typing Test	60 wpm with fewer than 5 errors	0-4
Bus E 109	Legal Terminology	3
# Bus E 130 or	Business Correspondence or	
Engl 102 or	Practical College Writing or	
Engl 110	College Writing	5
# Comm 100 or	Fundamentals of Oral Communication or	
Comm 101	Basic Speech Communication	5
Crpt 080	Machine Shorthand Lab	1-6
Crpt 090	Machine Shorthand Theory	3-4
Crpt 091	Machine Shorthand Advanced Theory	3-4
Crpt 092	Machine Shorthand – 40 wpm	3-4
Crpt 093	Machine Shorthand – 60 wpm	3-4
Crpt 094	Machine Shorthand – 80 wpm	5-6
Crpt 095	Machine Shorthand – 100 wpm	5-6

Professional Technical • Computer Reporting Technologies • Medical Stenoscryptionist • Sceptist/Text Editor

Crpt 096	Machine Shorthand – 120 wpm	5-6
Crpt 097	Machine Shorthand – 140 wpm	5-6
Crpt 098	Machine Shorthand – 160 wpm	5-6
Crpt 099	Machine Shorthand – 180 wpm	5-6
# Crpt 153	Court Reporting Procedures 1	5
# Crpt 154	Court Reporting Procedures 2	5
Crpt 177-179 and	Court Reporting/Captioning Work Experience and	2-6
Coop 171	Work Experience Seminar	1
Crpt 202	Machine Shorthand – 200 wpm	8-16
Crpt 203	Machine Shorthand – 225 wpm	8-16
Crpt 250	Computer-Aided Transcription	3
Crpt 251	Introduction to Captioning/Alternative Careers	3
Engl 090 or	Spelling Improvement or	
Spelling Test	Spelling pre-test score of 90% or above	0-3
Engl 105	Grammar & Usage	5
Engl 106	Vocabulary Mastery	5
Engl 108	Medical Terminology	2

To enhance the student's preparation for future employment, the following are recommended:

B A 110	Practical Financial Accounting	5
Bus E 184	Internet & Basic Web Design	5
Bus E 266	Inside Microsoft Office	5
Lib 102	Searching the Web	1

Suggested Electives: Electives might not be eligible for financial aid or veteran's benefits. (See your financial aid advisor.)

Bus E 100	Fundamentals of Microcomputers	5
Bus E 100.1	Microcomputer Fundamentals: Internet	2
Bus E 100.2	Microcomputer Fundamentals: Word	2
Bus E 112	Beginning Word	5
Bus E 140	Records Management	5
Bus E 150	Introduction to Windows	5
Bus E 162	Introduction to Excel	3
Bus E 255	Advanced Word	5
CRJ 100	Introduction to Criminal Justice	5
CRJ 255	Forensics: An Introduction to Criminalistics	5

Satisfies related instruction requirement.

* Keyboarding/typing skills may be demonstrated by passing two 5-minute typing tests at 60 wpm with 5 or less errors using the proper typing techniques administered by the Business Education Department.

Medical Stenoscryptionist**Certificate of Proficiency
43 Credits**

This certificate program prepares students to work with medical professionals preparing medical records and reports using a stenograph machine. The high demand in the field of health care has made medical stenoscryptionist an important aspect of the medical profession. The qualified stenoscryptionist must understand disease processes, anatomy, physiology, and medical terminology, as well as medications and their dosages. An increasing number of medical stenoscryptionists work from home-based offices as subcontractors for hospitals and physicians. These medical language specialists work with prerecorded material rather than a live account from a medical professional. Those who specialize in the health care profession will be highly sought after in the next century.

Contacts: Lori Rapozo, ext. 4219 Sidney Weldele-Wallace, ext. 4705
lrapozo@greenriver.edu sweldele@greenriver.edu

Dept./No.	Course Title	Credits
AP 100 or	Survey of Human Anatomy-Physiology or	
AP 103	Essentials of Human Anatomy-Physiology 1	5
Bus E 122	Medical Machine Transcription	5
Bus E 123	Advanced Medical Machine Transcription	5
Bus E 130 or	Business Correspondence or	
Engl 110	College Writing	5
Crpt 136 or	Machine Shorthand – 160 wpm or	
Crpt 098	Machine Shorthand – 160 wpm	6-16
Crpt 177 and	Court Reporting/Captioning Work Experience and	
Coop 171	Work Experience Seminar	2
Crpt 251	Introduction to Captioning/Alternative Careers	3
Engl 108	Medical Terminology	2

Suggested Electives: Students may choose from the following courses to total 43 credits:

B A 110	Practical Financial Accounting	5
Bus E 110	Business Math Applications	5
Bus E 112	Beginning Word	5
Bus E 124	Medical Transcription Production	5
Bus E 140	Records Management	5
Bus E 145	International Classification of Disease (ICD) Medical Coding	3
Bus E 184	Internet & Basic Web Design	5
Bus E 255	Advanced Word	5
Bus E 266	Inside Microsoft Office	5
Engl 105	Grammar & Usage	5

Sceptist/Text Editor**Certificate of Proficiency
43 Credits**

Contacts: Lori Rapozo, ext. 4219 Sidney Weldele-Wallace, ext. 4705
lrapozo@greenriver.edu sweldele@greenriver.edu

Dept./No.	Course Title	Credits
Bus E 109	Legal Terminology	3
Bus E 130 or	Business Correspondence or	
Engl 110	College Writing	5
Crpt 100.1 and	Machine Shorthand Theory 1 and	
Crpt 100.2 or	Machine Shorthand Theory 2 or	
Crpt 090 and	Machine Shorthand Theory and	
Crpt 091	Machine Shorthand Theory-Advanced	8-10
Crpt 101.1 and	Machine Shorthand Theory 3 and	
Crpt 101.2 or	Machine Shorthand – 60 wpm or	
Crpt 092 and	Machine Shorthand – 40 wpm and	
Crpt 093	Machine Shorthand – 60 wpm	8-10
Crpt 153	Court Reporting Procedures 1	5
Crpt 250	Computer-Aided Transcription	3
Engl 105	Grammar & Usage	5
Engl 108	Medical Terminology	2

Suggested Electives: Students may choose from the following courses to total 43 credits:

B A 110	Practical Financial Accounting	5
Bus E 110	Business Math Applications	5
Bus E 112	Beginning Word	5
Bus E 140	Records Management	5
Bus E 145	International Classification of Disease (ICD) Medical Coding	3
Bus E 184	Internet & Basic Web Design	5
Bus E 255	Advanced Word	5
Bus E 266	Inside Microsoft Office	5
Crpt 177 and	Court Reporting/Captioning Work Experience and	1-2
Coop 171	Work Experience Seminar	1

Professional Technical • Text Entry • Computerized Machining & Manufacturing Technology

Text Entry**Certificate of Proficiency
42 Credits**

Contacts: Lori Rapozo, ext. 4219 Sidney Weldele-Wallace, ext. 4705
lrapozo@greenriver.edu sweldele@greenriver.edu

Dept./No.	Course Title	Credits
Bus E 109	Legal Terminology	3
Bus E 130 or Engl 110	Business Correspondence or College Writing	5
Crpt 136 or Crpt 098	Machine Shorthand 160 wpm or Machine Shorthand 160 wpm	6-16
Crpt 177 and Coop 171	Court Reporting/Captioning Work Experience and Work Experience Seminar	1-2 1
Crpt 250	Computer Aided Transcription	3
Crpt 251	Introduction to Captioning/Alternative Careers	3
Engl 106	Vocabulary Mastery	5

Suggested Electives: Students may choose from the following courses to total 42 credits:

B A 110	Practical Financial Accounting	5
Bus E 100.1	Microcomputer Fundamentals: Internet	2
Bus E 110	Business Math Applications	5
Bus E 112	Beginning Word	5
Bus E 140	Records Management	5
Bus E 145	International Classification of Disease (ICD) Medical Coding	3
Bus E 184	Internet & Basic Web Design	5
Bus E 255	Advanced Word	5
Bus E 266	Inside Microsoft Office	5
Engl 105	Grammar & Usage	5
Engl 108	Medical Terminology	2
Lib 102	Searching the Web	1

**Computerized Machining &
Manufacturing Technology****Associate in Applied Science Degree
90-102 Credits**

This degree program is designed for both the new student entering the field of manufacturing and for the current employee who wishes to learn more about the knowledge and skills currently in demand by employers.

A graduate of the program will be prepared for entry into the manufacturing industry as a conventional or CNC (Computer Numerical Control) machinist trainee. Instruction covers conventional turning, milling and grinding, as well as basic programming, set up and operation of CNC machine tools. Other subjects include shop safety, reading engineering drawings, shop mathematics, machine tool theory, inspection and surface plate techniques, as well as lean manufacturing and other skills currently required by the manufacturing industry.

Credit for hours of training is usually granted to those entering an approved apprenticeship program. Entry into the program at any time is possible on a space-available basis with instructor's permission.

Contact: Tom Tagliente, ext. 4228 Charles Lenegar, ext. 4237
ttagliente@greenriver.edu clenegar@greenriver.edu

Dept./No.	Course Title	Credits
# Acomp 100T or Math 072 or	Computation for the Trades or Elementary Algebra or Eligible for Math 097	0-5
# Engl 102 or Engl 110	Practical College Writing or College Writing	5
Indus 102.1	Welding Survey 1	3
Mfg 111	Measuring Systems & Quality Assurance Level 1	3
Mfg 112	Shop Safety & Production Procedures Level 1	2
Mfg 113	Cutting Tools & Workholding Level 1	2
Mfg 114	Manufacturing Planning & Processes Level 1	1
Mfg 115	Reading Engineering Drawings Level 1	3
Mfg 116	Manufacturing Careers & Management Level 1	1
Mfg 117	Conventional Milling Level 1	2
Mfg 118	Conventional Turning Level 1	2
Mfg 119	Precision Grinding Level 1	2
Mfg 121	Measuring Systems & Quality Assurance Level 2	3
Mfg 122	Shop Safety & Production Procedures Level 2	2
Mfg 123	Cutting Tools & Workholding Level 2	2
Mfg 124	Manufacturing Planning & Processes Level 2	1
Mfg 125	Reading Engineering Drawings Level 2	3
Mfg 126	Manufacturing Careers & Management Level 2	1
Mfg 127	Conventional Milling Level 2	2
Mfg 128	Conventional Turning Level 2	2
Mfg 129	Precision Grinding Level 2	2
Mfg 141	CNC Systems Level 1	2
Mfg 142	CNC Machining Level 1	2
Mfg 143	CNC Turning Level 1	2
Mfg 144	CAD/CAM Systems (Mastercam) Level 1	2
Mfg 151	CNC Systems Level 2	2
Mfg 152	CNC Machining Level 2	2
Mfg 153	CNC Turning Level 2	2
Mfg 154	CAD/CAM Systems (Mastercam) Level 2	2
Mfg 155	Advanced Manufacturing Processes	1
Mfg 156	Review-Job Shadow Level 1	1
Mfg 157	Review-Job Shadow Level 2	1
Mfg 158	Review-Job Shadow Level 3	1
Mfg 159	Review-Job Shadow Level 4	1
Mfg 160	Review-Job Shadow Level 5	1
Mfg 161	CNC Systems Level 3	2
Mfg 162 or I E 189	Applied Materials for Manufacturing or Basic Metallurgy	2-4
Mfg 164	Shop Math	2
Mfg 177 and Coop 171	Manufacturing Work Experience and Work Experience Seminar	7-12 1
# Human Relations	Any course that satisfies the Human Relations Related Instruction Requirements on page 79	5
# Comm 100 or Comm 101 or Comm 110 or Comm 234	Fundamentals of Oral Communication or Basic Speech Communication or Interpersonal Communication or Small Group Leadership & Discussion	5

To enhance the learner's preparation for future employment, we recommend the following:

Bus E 111	Personal Computing	3
D T 115	Geometric Dimensioning & Tolerancing	4

Satisfies related instruction requirements.