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Green

River

Programs of Study

- University Transfer
- Professional/Technical
- Other Learning Options

DEGREES AND CERTIFICATE PROGRAMS

The following lists all the degree and certificate programs offered at Green River Community College.

University Transfer	AA-DTA	Associate in Arts Degree–Direct Transfer Agreement
	AB-DTA/MRP	Associate in Business Degree–Direct Transfer Agreement/Major Related Program
	AEE-DTA/MRP	Associate in Elementary Education Degree-Direct Transfer Agreement/Major Related Program
	AFA-DTA	Associate in Fine Arts in Art–Direct Transfer Agreement
	AM-DTA	Associate in Math Education Degree-Direct Transfer Agreement
	APreN-DTA/MRP	Associate in Pre-Nursing Degree-Direct Transfer Agreement/Major Related Program
	A-PP	Associate in Pre-Professional Degree
	AST-1	Associate in Science Degree-Transfer Option 1
	AST-2	Associate in Science Degree-Transfer Option 2
	AST-2 MRP	Associate in Science Degree-Transfer Option 2/Major Related Program
	AAS-T	Associate in Applied Science-Transfer Degree
	A-Cert	Academic Certificate
	Professional/ Technical	AAA
AAS		Associate in Applied Science
Cert		Certificate (45 credits or more)
Cert-P		Certificate of Proficiency (44 credits or less)
Other Learning Options	AD	Associate Development
	GED	General Education Development Certificate
	HS	High School Diploma

Program

Page No.

Associate in Arts Degree, AA-DTA.....35-36

Associate Development, AD98

Accounting, AAA, Cert-P58

 Accounting Clerk, Cert-P58

Administrative Assistant, AAA, Cert58-60

 Data Entry, Cert-P60

 File Clerk, Cert-P60

 Office Support 1, Cert-P60

 Office Support 2, Cert-P61

Aeronautical Pre-Engineering, AST-2 MRP 143-44

Art-Associate in Fine Arts Degree, AFA-DTA.....37-38

 Art-Advanced Studies, A-Cert46

 Art-Ceramics, A-Cert46

 Art- Design, A-Cert46

 Art-Interdisciplinary, A-Cert46

 Art-Photography, A-Cert47

 Art-Studio, A-Cert47

Atmospheric Science, AST-2.....42

Auto Body Technology, AAS61

 Collision Repair, Cert-P.....61

 Paint and Refinishing, Cert-P.....61

Automotive Technology, AAS62

 Brakes, Steering and Suspension, Cert-P62

 Electrical Systems, Cert-P62

 Engine Performance, Cert-P63

 Heating and Air Conditioning, Cert-P.....63

 Transmission and Transaxle, Cert-P.....63

Aviation

Advanced Air Traffic Control, Cert-P65

Advanced Aviation Knowledge, Cert-P67

Air Traffic Control, AAS64

Air Transportation, AAS63-64

Aircraft Dispatcher, Cert-P64

Airline Dispatch, AAS65

Airline Dispatcher Completion, Cert-P65

Basic Airport Management, Cert-P66

Basic Aviation Knowledge, Cert-P66

Basic Weather Observer, Cert-P67

Helicopter Pilot, AAS65-66

Helicopter, Cert-P.....66

Intermediate Aviation Knowledge, Cert-P.....67

International Flight Planning, Cert-P65

Professional Pilot, AAS.....66

Biological Pre-Engineering, AST-2 MRP 2.....44

Biology, AST-139-40

Biology Education, AST-1.....40

Broadcasting, A-PP, A-Cert47-48

Business, AB-DTA36

Business Applications Specialist, AAA, Cert.....67-68

 Business Applications for Small Business, Cert-P68-69

 Distance Education Preparation, Cert-P69

Business Management, AAA69

 Business Foundations, Cert69

 International Business, Cert-P70

 Management and Supervision, Cert-P70

 Marketing and Sales, Cert-P70

 Retail Management, Cert70

Caregiving, Fundamentals	70	Electrical Pre-Engineering, AST-2 MRP 3.....	45
Carpentry Technology—Residential and Light Commercial		Elementary Education, AEE-DTA/MRP	37
Carpentry, AAS, Cert-P	70-71	Engineering, AST-2	42
Residential Light and Commercial Framing 1, Cert-P	72	Engineering Technology, AST-2.....	42
Residential Light and Commercial Framing 2, Cert-P	72	Environmental Science, AST-1	39-40
Residential Concrete Forming and Placement, Cert-P.....	71	Forensic Technology, AAS.....	84-85
Residential Exterior Finish Level 1, Cert-P	71	Forensic and Fingerprint Technology, Cert-P	85
Residential Interior Finish Level 1, Cert-P.....	71	Gender Studies, A-Cert	51
Residential Interior Finish Level 2, Cert-P.....	72	General Education Development, GED	99
Chemical Pre-Engineering, AST-2 MRP 2	44	General Science Education, AST-1	41
Chemistry, AST-1	39-40	Geographic Information Systems, AAS, Cert-P.....	85-86
Chemistry Education, AST-1	41	Geology, AST 1	39-40
Civil Pre-Engineering, AST-2 MRP 1	43-44	High School Diploma, HS.....	99-100
Communication Studies, A-Cert	48	Hispanic Studies, A-Cert	51
Communication Studies-Advanced, A-Cert	48	Industrial Pre-Engineering, AST-2 MRP 1	43-44
Computer Pre-Engineering, AST-2 MRP 3	45	Information Technology (IT)	
Computer Science, AST-2	42	Computer Support Specialist, AAS-T	51-52
Computer Reporting Technologies		Help Desk Support Technician, Cert-P	86
Captioning Sequence A (Day), AAA	72-73	Information Assurance, AAS-T	52
Captioning Sequence B (Evening), AAA	73	Information Assurance Technician, Cert	86-87
Court Reporting Sequence A (Day), AAA	73-74	Network Technician, Cert	87
Court Reporting Sequence B (Evening), AAA.....	74	Networking, AAS-T	52-53
Medical Stenoscryptionist, Cert-P	74-75	Networking Infrastructure, AAS-T.....	53-54
Scoptist/Text Editor, Cert-P	75	PC Repair Technician, Cert-P	87
Text Entry, Cert-P.....	75	Systems, AAS-T.....	54
Computerized Machining and Manufacturing Technology, AAS, Cert-P.....	75-76	Legal Administrative Assistant, AAA	87-88
Computing and Software Systems, A-PP.....	49	Manufacturing Technology, AAS, Cert-P	88-89
Criminal Justice, AAS.....	76-77	Materials Science Pre-Engineering, AST-2 MRP 1	43-44
Corrections, Cert-P	77	Math Education, AM-DTA.....	38
Law Enforcement, Cert-P.....	77	Math/Science Certificate for Elementary (K8) Teachers, A-Cert	54
Design Drafting Technology, AAS.....	77-78	Mechanical Pre-Engineering, AST-2 MRP 1	43-44
Architectural Drafting Proficiency, Cert-P	80	Medical Office Assistant, AAA	89
Architectural, Structural and Civil Drafting, Cert	80-81	Medical Office Manager, Cert-P	89
Civil Drafting Proficiency, Cert-P.....	81	Medical Transcriptionist, Cert-P.....	90
Construction Design Technology, AAS.....	78-79	Natural Resources, AAS, A-PP.....	90-91, 55
Drafting Proficiency, Cert-P	81	Community Forestry, Cert-P	93
Manufacturing Technology-CIM, AAS	79	Geographic Information Systems Option, AAS	91
Mechanical Design Technology, AAS, AAS-T	80, 54-55	Park Management, AAS	91-92
Mechanical 3-D CAD, Cert-P.....	82	Water Quality, AAS.....	92
Mechanical CAD Proficiency, Cert-P	82	Wildland Fire, AAS	93
Mechanical Drafting, Cert	82	Nursing	
Structural Drafting, Cert-P	83	Practical Nursing, Cert.....	97
Diversity Studies, A-Cert	49	Practical Nursing, Nursing Assistant, Cert-P	96-97
Early Childhood Education, AAA, Cert-P.....	83	Pre-Nursing, APreN-DTA/MRP	39
Child Development Associate (CDA) Preparation, Cert-P.....	84	Occupational Therapy Assistant, AAS	94-95
Early Childhood Assistant Teacher, Cert-P	84	Physical Therapist Assistant, AAS.....	95-96
Early Childhood Education and Diversity Studies, AAS-T.....	49-50	Physics, AST- 2.....	42
Instructional Paraeducator, Cert-P	84	Physics Education, AST-2	43-44
Montessori Teaching, Cert-P.....	84	Welding Technology, AAS	97-98
Paraeducator, AAS-T.....	50-51	Basic Arc and Flame, Cert-P	98
Earth Science, AST-1.....	39-40	Intermediate Arc and Flame, Cert-P	98
		Advanced Arc and Flame, Cert-P	98

UNIVERSITY TRANSFER DEGREES AND CERTIFICATES

Green River Community College is fully accredited by the Northwest Commission on Colleges and Universities (NWCCU), as well as by several discipline-related bodies. The college has completed numerous evaluation processes and has been recognized for performance, integrity and quality. This is important for students who plan to transfer credits to other colleges. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policy and transferability should never be assumed. The Green River Career and Advising Center staff is able to answer most questions regarding transfer of credits. The Transfer Resource Center features a library of catalogs from universities, transfer guides, and information about transfer policies and transfer requirements.

Students should be aware that courses with “Pass” grades may not satisfy the requirements in their major field. Students are responsible for knowing transfer requirements and policies, and they are urged to consult the catalog of the institution to which they plan to transfer. Students should also consult that catalog and Web site when meeting with their Green River advisor.

Many transfer institutions expect students to be “major ready” by the time they apply for admissions. This means that students need to declare their majors earlier and carefully plan which courses will meet their distribution requirements, as well as meet the admission requirements for a particular field of study. For example, students who wish to major in business will need to include additional math, economics and accounting sequences in their coursework. Students are strongly encouraged to meet with their community college advisor, as well as an advisor from their transfer institution to verify their choices.

In most cases, universities will accept 90 credits. Green River is a member of the Inter-College Relations Commission (ICRC), and Green River’s AA-DTA, AB-DTA/MRP, AFA-DTA, AM-DTA, AEE-DTA/MRP, APreN-DTA/MRP, AAS-T and AS-T degrees comply with ICRC recommendations for transfer degrees within Washington.

ICRC has developed a direct transfer agreement (DTA) with Washington community colleges. This ensures that students who complete a designated direct transfer degree at a community college will have satisfied all or most of the general education (or core) requirements at the various universities in the state. For most transfer students, this means that they can begin work on their specialized, major-area course work as soon as they transfer.

International students must contact an advisor in the International Programs office to help create an educational plan specific to their needs.

During the school year, representatives from various colleges and universities visit the campus to meet with students about transfer requirements. Students should watch for notices in campus publications, on Green River’s Web site, or call the Career and Advising Center.

ASSOCIATE IN APPLIED SCIENCE-TRANSFER DEGREE (AAS-T)

The Associate in Applied Science-Transfer degree (AAS-T) is built upon the technical courses required for job preparation but also includes a college-level general education component, common in structure for all such degrees. Further, the general education courses for the degree are drawn from the same list as those taken by students completing the Direct Transfer Agreement (DTA) associate degree or the Associate in Science-Transfer (AS-T) degree.

The following guidelines provide specific information about how this degree may be developed:

Degree requirements include:

1. Seventy credits in the technical field as specified by the industry advisory committee

2. Twenty credits of general education courses as follows:
 - a) 5 credits communication – Engl& 101.
 - b) 5 credits quantitative reasoning – College-level math with Intermediate Algebra, Math 097, as a prerequisite.
 - c) 10 credits in social science, humanities, or science – to be selected from the list of courses “generally accepted”.
3. Earning a minimum of 90 credits with a minimum GPA of 2.0.
4. Completing the minimum of 24 credits, including the last quarter of residence at Green River Community College.
5. Earning no more than 25 percent of the credit requirements on a pass/no credit basis.

The curriculum for each Associate in Applied Science-Transfer (AAS-T) degree is determined by the faculty of Green River Community College in conjunction with each discipline advisory committee from business and industry. The college advises students to consult the listing of the program of their choice for specific courses required.

ASSOCIATE PRE-PROFESSIONAL DEGREE (A-PP)

While students in most college majors take the same general education requirements during their first two years, some majors demand more specialized subjects. The Associate Pre-Professional degree is designed for those students who need specific requirements that prevent them from satisfying the broad requirements of the AA, AB, AFA, AM, AEE, APreN, AAS-T, or AS-T degrees or that will enhance their program of study at the transfer institution.

If students wish to design a program to transfer to a specific department within a university, they should consult advisors at both Green River and their transfer college or university. Students are responsible for finding out the unique requirements of the institution they plan to attend after Green River. A faculty advisor will help students plan an appropriate selection of classes to ensure that all requirements of the transfer institution are met; the program will be customized for the transfer institution of their choice. Students must present an Associate Pre-Professional degree plan to their faculty advisor for approval. The plan becomes a permanent part of the student’s record.

Students should contact their faculty advisor for assistance in submitting an A-PP degree plan.

ACADEMIC CERTIFICATE (A-CERT)

A certificate in an academic area of study is awarded in recognition of an individual’s attainment of a body of knowledge that will strengthen the student’s educational experience. These skills are based on standards that faculty within that area have developed to emphasize or enhance a student’s major-ready preparation. Academic certificates, when used in conjunction with an Associate in Arts degree, will help emphasize a student’s educational experiences.

Certificate requirements include:

- A minimum GPA of 2.0
- Completion of a minimum of 25 percent of the credits required, including the last quarter in residence, at Green River.
- Earning no more than 10 credits on a pass/no credit basis. Students should be aware that courses with “Pass” grades may not satisfy the requirements in their major field.

Students are responsible for knowing the transfer requirements and policies, and they are urged to consult the catalog of the institution to which they plan to transfer.

ASSOCIATE IN ARTS DEGREE
Direct Transfer Agreement (AA-DTA)
Minimum of 90 Credits

The Associate in Arts degree is a direct transfer degree (DTA) designed for students who plan to transfer to a university after completing the first two years of study at Green River Community College. The degree is recommended for students who have not yet decided the field they will enter or the university they will attend. It gives students the broad background they need before beginning more specialized, upper-division courses and indicates that a student has completed a two-year liberal arts program.

Students who have a particular major in mind can focus their distribution choices and elective credits toward meeting their transfer institution plan. An advisor can assist with this process. Students should include some 200 level coursework in their program of study.

This degree meets the Intercollegiate Relations Commission (ICRC) guidelines for direct transfer degrees, an inter-institutional agreement adopted to facilitate student transfer between Washington state community colleges and baccalaureate institutions.

Once admitted to an institution subscribing to these guidelines, the degree holder will be granted junior status and will have fulfilled most of the lower-division general education requirements of baccalaureate degree programs offered by many public and independent colleges and universities in Washington State. The following colleges subscribe to these guidelines:

Washington

- Bastyr University
- Central Washington University
- City University
- Cornish College of the Arts
- Eastern Washington University
- Evergreen State College
- Gonzaga University
- Heritage University
- Northwest University
- Pacific Lutheran University
- Saint Martin's University
- Seattle Pacific University
- Seattle University
- Trinity Lutheran University
- University of Washington (some restrictions apply)
- University of Washington Bothell
- University of Washington Tacoma
- Washington State University
- Washington State University Tri-Cities
- Washington State University Vancouver
- Western Washington University
- Whitworth University

Other states

- Oregon State University
- Capella University, California
- University of North Dakota
- University of Phoenix

Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

To earn this degree, students must complete a minimum of 90-quarter credits in courses numbered 100 or higher (from an approved distribution list below) and meet specific distribution requirements. No more than 25 percent of credit requirements may be taken on a pass/no credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative GPA of 2.0, and earn a minimum of 24 credits, including the last quarter, in residence at Green River Community College. Students are responsible for knowing transfer requirements and policies, and they are urged to consult the catalog of the institution to which they plan to transfer.

1. BASIC SKILLS (15 credits)

Any course used to satisfy Basic Skills distribution may not be used to satisfy any other portion of the Associate in Arts degree requirements.

A. Communications: (10 credits)

Courses in this area support the written communication learning outcome.

English &101 and one of the following:

English 126 or 127 or 128

B. Quantitative Skills: (5 credits-explained below)

Courses in this area support the quantitative and symbolic reasoning learning outcome.

1. Completion of Mathematics course for which Intermediate Algebra (Math 097) or higher is a prerequisite.
2. Completion of Engineering 106, &204, &214 or &215.
3. Completion of Philosophy &106*
**If option 3 is chosen, the student must, in addition, satisfy one of the following before graduation:*
 - a) COMPASS placement in Math 106 or Math&107 or higher; or
 - b) Complete Intermediate Algebra (Math 097) with a grade of 2.0 or higher.

2. HUMANITIES/FINE ARTS/ENGLISH (15 credits) (Minimum 15 credits from three **separate** areas.) No more than 5 credits in foreign language at the 100 level. No more than 5 credits in performance/skills courses (all courses in bold type) can be applied toward the Humanities/Fine Arts/English distribution.

- Art &100, 105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119, 120, 122, 130, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257**
- Chinese** 111, &121, &122, &123
- Communication Studies &102, &210, &220, 212, 215, &230, 238, 245**
- Dance 101, 102, 103, 110, 204**
- Drama &101, 111, 112, 113, 120, 121, 141, 151, 152, 153**
- English &112, &113, &114, 115, 160, 163, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, 239, &244, &245, &246, 247, 248, &254, &255, &256, 257**
- French &121, &122, &123, &221**
- German &121, &122, &123**
- Humanities** 100, 110, 133, 142, 160, 186, 190, 191, 224, 272
- Japanese &121, &122, &123**
- Journalism** 101, 150, 151, 152, 254
- Music** 101, 103, 104, &105, 107, 108, 109, 110, 118, 119, 120, &121, &122, &123, 124, 127, 128, 129, 130.1, 130.2, 130.3, &131, &132, &133, 140, 141, 142, 118, 219, 220, &221, &222, 227, 228, 229, 230.1, 230.2, 230.3, &231, &232
- Philosophy &101, 102, 103, 104, 105, 110, 112, 114, 115, 160, 200, 206, 210, 220, 236, 238, 240, 243**
- Photography 101, 102, 103, 111**
- Spanish** 110, &121, &122, &123, &221, &222, &223

3. SOCIAL SCIENCE (15 credits) (Minimum 15 credits from three separate areas or minimum 15 credits from two separate areas with a 200-level course required within the two course emphasis)

- American Minority and Ethnic Studies** 100, 211
- Anthropology &100, &205, &206, &207, &210, 211, &216, &234, &235, &236, 273**
- Business &101, &201**
- Criminal Justice &101, &105, &110, &240**
- Economics** 100, 101, &201, &202
- Geography** 100, 108, 120, 123, 190, 200, 205
- History** 101, 102, 103, 120, 122, 135, &136, &137, &214, &215, 220, 224, 226, 228, 230, 231, 232, 233, 235, 237, 240, 245, 250
- Political Science &101, &200, &202, &203, &204, 207, 209**
- Psychology &100, &180, &200, 201, 209, &220, 225**

Social Science 160, 211
Sociology &101, &201, 215, 220, 230, 240, 245, 260

4. NATURAL SCIENCE (15 credits) (Minimum of 15 credits from at least two separate areas [except for completion of IDS 101, 102, and 103 sequence which will satisfy the full natural science and lab science requirement]). Ten credits must be chosen from List A, including a minimum of 5 credits from lab sciences (courses designated in bold type). The additional 5 credits may be taken from either List A or List B.

LIST A

- Anatomy-Physiology** 100, 102, 103, 104, 210
- Astronomy &100 or &101**
- Biology &100, 103, 110, 127, &211, &212, &213, &241, &242, &260**
- Chemistry &121, &131, &140, &161, &162, &163, &261, &262, &263**
- Environmental Science** 204
- Geology &101, 200, 206, &208**
- Interdisciplinary Science 101, 102, 103**
- Oceanography &101**
- Physics 105, 110, 111, 112, 150, 151, 152, 208, 201, 202, 203, 225**

LIST B

- Anthropology &205**
- Computer Science &131, 132, &141, 145**
- Engineering &104, 106, 140, &204, &214, &215, &224, &225**
- Mathematics** 106, &107, &141, &142, &151, &152, &153, 147, &148, 170, 171, 172, 210, 235, 238, 240, &254, 256
- Philosophy &106, 215**

5. ADDITIONAL CREDITS (15 credits)

A minimum of 15 credits from courses listed in one or both of the following categories:

A. Distribution Courses

Courses in Humanities/Fine Arts/English, Social Science, or Natural Science categories listed above. There is no restriction on the number of required disciplines.

B. Generally Transferable Courses:

- Accounting &201, &202, &203**
- Early Childhood Education 101**
- Education &115, 193, &204, &205, 210**
- Natural Resources** 100

6. LIFETIME FITNESS/ WELLNESS and ACTIVITY (4-9 credits)

A. Lifetime Fitness/Wellness

(3 credits required)
 One 2- or 3-credit course from List A is required.

- LIST A: Physical Education** 101, 102, 103, 111, 131, 149, 160, 165, 169

One course from List B must be taken if a 2-credit class from List A has been chosen:

LIST B: Physical Education 101, 102, 103, 107, 108, 109, 110, 111, 112, 113, 114, 115, 117, 118, 119, 121, 122, 124, 125, 129, 131, 132, 134, 136, 137, 138, 139, 140, 141, 143, 144, 147, 148, 149, 150, 158, 160, 165, 169, 193, 201, 202, 207, 210, 211, 212, 215, 216, 224, 231, 234, 236, 251, 253

No more than 3 credits total of physical education coursework (including your elective credits) may be applied to the AA degree.

Degree exceptions for fitness/wellness courses must include

medical documentation submitted to Disability Support Services (DSS) and documentation to the Degree Exception Committee.

- B. Activities** (1-6 credits—must take one)
An activity is a fully instructed course of study that primarily involves the student in an activity that develops a technique or skill.
- Art** 105, 106, 107, 111, 112, 113, 114, 119, 130, 219, 255, 256, 257
Biology 140
Business Education 111, 115
Business Management 103
Dance 101
Drama 111, 153

Early Childhood Education 103, 104, 175, 214, 215

Education 210

Education in Early Childhood 220, 221

Geology 150, 152, 153

Health Education 190

Industrial Education 101,

102.1 or 102.2 or 102.3, 103

Journalism 100.1, 110, 120, 200

Music 118, 124, 127, 130.1, 140

Photography 101, 111, 112, 113

Spanish 115

Technology 100

7. ELECTIVES (6-11 credits)

All courses numbered 100 or higher, with the exception of Basic Skills and

Physical Education, may be taken as electives. Courses should include preparation for a major and/or general interest/leisure-time activity.

8. TRANSFERABILITY OF CREDITS
Green River Community College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

ASSOCIATE IN BUSINESS DEGREE Direct Transfer Agreement (AB-DTA) Minimum of 90 Credits

The Associate in Business degree is generally pursued by students who plan to transfer to a four-year university as a business or accounting major after completing their first two years at Green River. It is designed to meet the distribution requirements at universities in Washington state, by fulfilling the general requirements taken by freshman and sophomores. The degree also indicates that a student has completed a two-year business program, which may be of value in career or lifetime goals.

To earn this degree, students must complete a minimum of 90-quarter credits in courses numbered 100 or higher (from approved distribution list below) and meet specific distribution requirements. No more than 25 percent of credit requirements may be taken on a pass/no-credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative GPA of 2.0, and earn a minimum of 24 credits, including the last quarter, in residence at Green River Community College. Students are responsible for knowing transfer requirements and policies, and they are urged to consult the catalog of the institution to which they plan to transfer.

1. BASIC SKILLS (20 credits)

Any course used to satisfy Basic Skills distribution may not be used to satisfy any other portion of the Associate in Business degree requirements.

A. Communications: (10 credits)

Courses in this area support the written communication learning outcome.

English & 101 and one of the following:

English 126 or 127 or 128

B. Quantitative Skills/Symbolic Reasoning Skills: (10 credits)

Courses in this area support the quantitative and symbolic reasoning learning outcome.

Mathematics 147 and 148

2. HUMANITIES/FINE ARTS/ENGLISH

(15 credits) (Minimum 15 credits from three separate areas.) **No more than 5 credits** in foreign language at the 100 level. **No more than 5 credits** in performance/skills courses (**all courses in bold type**) can be applied toward the Humanities/Fine Arts/English distribution.

Art &100, **105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119, 120, 122, 130, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257**

Chinese 111, &121, &122, &123

Communication Studies &102, &210, &220, 212, 215, &230, 238, 245

Dance **101, 102, 103, 110, 204**

Drama &101, **111, 112, 113, 120, 121, 141, 151, 152, 153**

English &112, &113, &114, 115, 160, 163, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, 239, &244, &245, &246, 247, 248, &254, &255, &256, 257

French &121, &122, &123, &221

German &121, &122, &123

Humanities 100, 110, 133, 142, 160, 186, 190, 191, 224, 272

Japanese &121, &122, &123

Journalism 101, 150, 151, 152, 254

Music 101, 103, 104, &105, 107, 108, 109, 110, **118, 119, 120, &121, &122, &123, 124, 127, 128, 129, 130.1, 130.2, 130.3, &131, &132, &133, 140, 141, 142, 218, 219, 220, &221, &222, 227, 228, 229, 230.1, 230.2, 230.3, &231, &232**

Philosophy &101, 102, 103, 104, 105, 110, 112, 114, 115, 160, 200, 206, 210, 220, 236, 238, 240, 243

Photography **101, 102, 103, 111**

Spanish 110, &121, &122, &123, &221, &222, &223

3. SOCIAL SCIENCE

(Minimum 20 credits)

A. Economics &201 and &202 (10 credits)

B. Business Management &201 or **Political Science** &200 (5 credits)

C. Choose 5 credits from the following areas:

American Minority and Ethnic Studies 100, 211

Anthropology &100, &205, &206, &207, &210, 211, &216, &234, &235, &236, 273

Business &101, &201

Criminal Justice &101, &105, &110, &240

Geography 100, 108, 120, 123, 190, 200, 205

History 101, 102, 103, 120, 122, 135, &136, &137, &214, &215, 220, 224, 226, 228, 230, 231, 232, 233, 235, 237, 240, 245, 250

Political Science &101, &200, &202, &203, &204, 207, 209

Psychology &100, &180, &200, 201, 209, 210, &220, 225

Social Science 160, 211

Sociology &101, &201, 215, 220, 230, 240, 245, 260

4. NATURAL SCIENCE (Minimum 15 credits)

A. Mathematics 256 (5 credits)

B. Natural Science (10 credits)

(5 credits from the lab sciences, **courses designated in bold type**, must be included)

Anatomy-Physiology 100, 102, **103, 104, 210**

Astronomy &100 or **&101**

Biology &100, **103, 110, 127,**

&211, &212, &213, &241, &242, &260

Chemistry &121, &131, &140, &161, &162, &163, &261, &262, &263

Environmental Science 204

Geology &101, 200, **206, &208**
Interdisciplinary Science **101, 102, 103**
Oceanography &101
Physics **105, 110, 111, 112, 150, 151, 152, 208, 201, 202, 203, 225**

5. ACCOUNTING

(Minimum 15 credits)

Accounting &201, &202, &203

6. FITNESS/WELLNESS (2-3 credits)

Fitness-related classes - must take one: **Physical Education** 101, 102, 103, 111, 131, 149, 160, 165, 169

No more than 3 credits total of physical education coursework (including your elective credits) may be applied to the AB-DTA degree.

Degree exceptions for fitness/wellness courses must include medical documentation submitted to Disability Support Services (DSS) and documentation to the Degree Exception Committee.

7. ELECTIVES (Minimum 2-3 credits)

All courses numbered 100 or higher, with the exception of Basic Skills and Physical Education, may be taken as electives.

Note: Students choose electives in consultation with their Green River advisor and transfer university admissions representative.

8. TRANSFERABILITY OF CREDITS

Green River Community College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies and each student is responsible for knowing transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

ASSOCIATE IN ELEMENTARY EDUCATION
Direct Transfer Agreement-Major Related Program (AEE-DTA/MRP)
93-94 Credits

The Associate in Elementary Education degree is intended for all future elementary teachers. It provides a broad foundation in liberal arts and beginning coursework in teacher education that is needed upon transfer to most teacher certification programs at Washington state colleges/universities. It is designed to provide early experiences in teacher education, including opportunities for hands-on work in local classrooms and specific courses for elementary teachers.

To earn this degree, students must complete 93-94 quarter credits in courses numbered 100 or higher (from approved distribution list below) and meet specific distribution requirements. No more than 25 percent of credit requirements may be taken on a pass/no-credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative GPA of 2.0, and earn a minimum of 24 credits, including the last quarter, in residence at Green River Community College. Students are responsible for knowing transfer requirements and policies, and they are urged to consult the catalog of the institution to which they plan to transfer.

1. GENERAL REQUIREMENTS
(25 credits)

- A. Communications:** (10 credits)
Courses in this area support the

written communication learning outcome.

English &101 **and** one of the following:

English 126 **or** 127

B. Quantitative Skills/Symbolic Reasoning Skills: (15 credits)

Courses in this area support the quantitative and symbolic reasoning learning outcome.

Mathematics 170, 171 **and** 172

2. HUMANITIES/FINE ARTS/ENGLISH
(15 credits) (Minimum 15 credits from three **separate** areas)

A. Communication Studies &220 (5 credits)

B. English &112, &113, &114, 165, 180, 190 **or** &236 (5 credits)

C. Choose 5 credits from the following areas:

Art &100, 105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119, 120, 122, 130, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257

Chinese 111, &121, &122, &123

Dance 101, 102, 103, 110, 204

Drama &101, 111, 112, 113, 120, 121, 141, 151, 152, 153

French &121, &122, &123, &221

German &121, &122, &123

Humanities 100, 110, 133, 142, 160, 186, 190, 191, 224, 272

Japanese &121, &122, &123

Journalism 101, 150, 151, 152, 254

Music 101, 103, 104, &105, 107, 108, 109, 110, 118, 119, 120, &121, &122, &123, 124, 127, 128, 129, 130.1, 130.2, 130.3, &131, &132, &133, 140, 141, 142, 218, 219, 220, &221, &222, 227, 228, 229, 230.1, 230.2, 230.3, &231, &232

Philosophy &101, 102, 103, 104, 105, &106, 110, 112, 114, 115, 160, 200, 206, 210, 220, 236, 238, 240, 243

Photography 101, 102, 103, 111
Spanish 110, &121, &122, &123, &221, &222, &223

3. SOCIAL SCIENCE (Minimum 25 credits) Must select 5 credits from each item A through E.

A. American Minority and Ethnic Studies 100 **or** **Anthropology** &206

B. History 101, 102, 103, **or** 231

C. History &136 **or** &137

D. Psychology &100

E. Sociology &101, 220 **or** 240; **or** **Social Science** 160

4. NATURAL SCIENCE
(Minimum 15 credits)

A. Interdisciplinary Science 101, 102 **and** 103 (15 credits)

5. ADDITIONAL COURSES (6 credits)
Education &205 **and** 270

6. LIFETIME FITNESS/WELLNESS
(2-3 credits)

Fitness-related classes – must take one: **Physical Education** 101, 102, 103, 111, 131, 149, 160, 165, 169

Degree exceptions for fitness/wellness courses must include medical documentation submitted to Disability Support Services (DSS) and documentation to the Degree Exception Committee.

7. ELECTIVES (Minimum 5 credits)

All courses numbered 100 or higher, with the exception of Basic Skills and Physical Education, may be taken as electives.

Note: Students choose electives in consultation with their Green River advisor and transfer university admissions representative.

8. TRANSFERABILITY OF CREDITS

Green River Community College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

ASSOCIATE IN FINE ARTS in ART
Associate in Fine Arts-Direct Transfer Agreement (AFA-DTA)
90-91 Credits

The Associate in Fine Arts degree in Art is generally pursued by students who plan to transfer to a four-year university at the junior level. This degree offers students a broad foundation in advanced education or a career in art. This degree is designed to meet the distribution requirements at universities in Washington state, by fulfilling the general requirements taken by freshman and sophomores.

A portfolio highlighting the student's best work completed at Green River Community College, emphasizing originality, facility, and exploration is highly recommended.

To earn this degree, students must complete a minimum of 90-91 quarter credits in courses numbered 100 or higher (from approved distribution list below) and meet specific distribution requirements. No more than 25 percent of credit requirements may be taken on a pass/no-credit basis. Students should be

aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative GPA of 2.0, and earn a minimum of 24 credits, including the last quarter, in residence at Green River Community College.

Students are responsible for knowing transfer requirements and policies, and they are urged to consult the catalog of the institution to which they plan to transfer.

1. BASIC SKILLS (15 credits)

A. Communications: (10 credits)
English &101 **and** one of the following:

English 126, **or** 127 **or** 128

B. Quantitative Skills: (5 credits)

1. Completion of Mathematics course for which Intermediate Algebra (Math 097) **or** higher is a prerequisite.

2. Completion of Engineering 106, &204, &214 **or** &215.

3. Completion of Philosophy &106*

**If option 3 is chosen, the student must, in addition, satisfy one of the following before graduation:*

a) COMPASS placement in Math 106 **or** Math&107 or higher; **or**

b) Complete Intermediate Algebra (Math 097) with a grade of 2.0 or higher.

2. HUMANITIES/FINE ARTS/ENGLISH
(10 credits)

Art 212
Photography 101 **or** 111

3. SOCIAL SCIENCE (10 credits)
(Minimum 10 credits from two separate areas)

American Minority and Ethnic Studies 100, 211
Anthropology &100, &205, &206, &207, &210, 211, &216, &234, &235, &236, 273

Business &101, &201
Criminal Justice &101, &105, &110, &240

Economics 100, 101, &201, &202
Geography 100, 108, 120, 123, 190, 200, 205

History 101, 102, 103, 120, 122, 135, &136, &137, &214, &215, 224, 226, 228, 230, 231, 232, 233, 235, 237, 240, 245, 250

Political Science &101, &200, &202, &203, &204, 207, 209

Psychology &100, &180, 200, 201, 209, &220, 225

Social Science 160, 211
Sociology &101, &201, 215, 220, 230, 240, 245, 260

4. NATURAL SCIENCE (10 credits)
Minimum 5 credits from either List A or List B.

LIST A
Anatomy-Physiology 100, 102, 103, 104, 210

Astronomy &100 **or** &101

Biology &100, 103, 110, 127, &211, &212, &213, &241, &242, &260
Chemistry &121, &131, &140, &161, &162, &163, &261, &262, &263
Environmental Science 204
Geology &101, 200, 206, &208
Interdisciplinary Science 101, 102, 103
Oceanography &101
Physics 105, 110, 111, 112, 150, 151, 152, 208, 201, 202, 203, 225

LIST B
Anthropology &205
Computer Science &131, 132, &141, 145
Engineering &104, 106, 140, &214, &215, &224, &225

Mathematics 106, &107, &141, &142, &151, &152, &153, 147, &148, 170, 171, 172, 210, 235, 238, 240, &254, 256
Philosophy &106, 215

5. SPECIFIC REQUIREMENTS (43 credits total)

LIST A (20 credits)

Art 105, 109, 114, 119

LIST B (23 credits)

Class selection depends on the student's area of study. After consultation with an art advisor, a minimum of 23 credits are required from the following list:

Art 106, 107, 110, 120, 122, 130, 133, 135, 180, 213, 214, 219, 251, 252, 253, 255, 256, 257

Photo 101*, 102, 103, 111*, 112*, 113*

*Note: Students cannot use this course if previously taken under a different category.

6. LIFETIME FITNESS/WELLNESS/ ACTIVITY (2-3 credits)

No more than 3 credits total of physical education coursework (including your elective credits) may be applied to this degree.

Physical Education 101, 102, 103, 111, 131, 149, 160, 165, 169

7. TRANSFERABILITY OF CREDITS

Green River Community College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

ASSOCIATE IN MATH EDUCATION Direct Transfer Agreement (AM-DTA) Minimum of 90 Credits

The Associate in Math Education degree was created to aid students interested in careers as secondary math or science teachers. Future secondary teachers must pursue a major in their field, as well as entrance into a school of education. As a result, there is little room for electives.

This degree is intended to insure that graduates of Green River are as well prepared as their counterparts at four-year colleges. The transferability of these degrees is backed by a statewide articulation agreement with teacher-training universities. In addition, this degree is accepted by baccalaureate institutions in the state of Washington under the Direct Transfer Agreement. It will fulfill the general education requirements at Washington state transfer institutions.

Apart from the requirements embedded within the degree, students should check specific requirements of their intended transfer schools. This is especially true in the area of field experience, since teacher certification institutions vary in terms of the quality and quantity of experience required.

To earn this degree, students must complete a minimum of 90-quarter credits in courses numbered 100 or higher (from approved distribution list below) and meet specific distribution requirements. No more than 25 percent of credit requirements may be taken on a pass/no-credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative GPA of 2.0 and earn a minimum of 24 credits, including the last quarter, in residence at Green River Community College. Students are responsible for knowing the transfer requirements and policies, and they are urged to consult the catalog of the institution to which they plan to transfer.

1. BASIC SKILLS (15 credits)

Any course used to satisfy Basic Skills distribution may not be used to satisfy any other portion of the Associate in Math Education degree requirements.

A. Communications: (10 credits)

Courses in this area support the written communication learning outcome.

English &101 and one of the following

English 126 **or** 127 **or** 128.

B. Quantitative Skills: (5 credits)

Courses in this area support the quantitative and symbolic reasoning learning outcome.

Mathematics &151

2. HUMANITIES/FINE ARTS/ENGLISH (15 credits) No more than 10 credits allowed from any one discipline.

A. Communication Studies &220

B. No more than 5 credits allowed from any one discipline. No more than 5 credits in foreign language at the 100 level. No more than 5 credits in performance/skills courses (all courses in bold type) can be applied towards Humanities/Fine Arts/English distribution.

Art &100, **105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119, 120, 122, 130, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257**

Chinese 111, &121, &122, &123

Communication Studies &102, &210, 212, 215, &230, 238, 245

Dance 101, **102, 103, 110, 204**

Drama &101, **111, 112, 113, 120, 121, 141, 151, 152, 153**

English &112, &113, &114, 115, 160, 163, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, 239, &244, &245, &246, 247, 248, &254, &255, &256, 257

French &121, &122, &123, &221

German &121, &122, &123

Humanities 100, 110, 133, 142, 160, 186, 190, 191, 224, 272

Japanese &121, &122, &123

Journalism 101, 150, 151, 152, 254

Music 101, 103, 104, &105, 107, 108, 109, 110, **118, 119, 120, &121, &122, &123, 124, 127, 128, 129, 130.1, 130.2, 130.3, &131, &132, &133, 140, 141, 142, 218, 219, 220, &221, &222, 227, 228, 229, 230.1, 230.2, 230.3, &231, &232**

Philosophy &101, 102, 103, 104, 105, &106, 110, 112, 114, 115, 160, 200, 206, 210, 220, 236, 238, 240, 243

Photography 101, **102, 103, 111**

Spanish 110, &121, &122, &123, &221, &222, &223

3. SOCIAL SCIENCE

(Minimum 15 credits) No more than 10 credits from any one discipline.

A. Psychology &100

B. American Minority and Ethnic Studies 100 **or** **Anthropology** &206 (5 credits)

C. A minimum of 5 credits from the following:

Anthropology &100, &205, &207, &210, 211, &216, &234, &235, &236, 273

Economics 100, 101, &201, &202

History 101, 102, 103, 120, 122, 135, &136, &137, &214, &215, 220, 224, 226, 228, 230, 231, 232, 233, 235, 237, 240, 245, 250

Political Science &101, &200, &202, &203, &204, 207, 209

Psychology &180, &200, 201, 209, &220, 225

Social Science 160, 211

Sociology &101, &201, 215, 220, 230, 240, 245, 260

4. NATURAL SCIENCES (15 credits)

No more than 10 credits allowed from any one discipline.

A. Mathematics &152

B. A minimum of 10 credits from the following list with 5 credits from the lab sciences (**courses**

designated in bold type) must be included.

Astronomy &101

Biology &100, **103, 110, 127, &211, &212, &213, &260**

Chemistry &121, &131, &140, &161, &162, &163, &261, &262, &263

Geology &101, 200, 206, &208

Physics 105, **110, 111, 112, 150, 151, 152, 208, 201, 202, 203, 225**

5. ADDITIONAL COURSES

(25-26 credits)

Education &205

Health Education 190

Mathematics &153, 240 **and** &254

Lifetime Fitness/Wellness

(2-3 credits): **Physical Education** 101, 102, 103, 111, 131, 149, 160, 165, 169

No more than 3 credits total of physical education coursework (including your elective credits) may be applied to the AM-DTA degree.

Degree exceptions for fitness/wellness courses must include medical documentation submitted to Disability Support Services (DSS) and documentation to the Degree Exception Committee.

6. ELECTIVES (4-5 credits)

All courses numbered 100 or higher, with the exception of Basic Skills and Physical Education, may be taken as electives. Courses should include preparation for a major and/or general interest/leisure-time activity. Students should consult their transfer institution.

7. TRANSFERABILITY OF CREDITS

Green River Community College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

ASSOCIATE IN PRE-NURSING DEGREE
Direct Transfer Agreement-Major Related Program (APreN-DTA/MRP)
Minimum of 91 Credits

The Associate in Pre-Nursing degree is generally pursued by students who plan to transfer to a four-year college or university at the junior level to a Bachelor of Science in Nursing program (BSN). Four-year schools accepting the Pre-Nursing Transfer degree include University of Washington-Seattle, Washington State University, Pacific Lutheran University, Northwest University and Walla Walla College. This degree is designed to meet the distribution requirements at universities in Washington state, by fulfilling the general requirements taken by freshman and sophomores.

To earn this degree, students must complete a minimum of 91-quarter credits in courses numbered 100 or higher (from approved distribution list below) and meet specific distribution requirements. No more than 25 percent of credit requirements may be taken on a pass/no-credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative GPA of 2.0, and earn a minimum of 24 credits, including the last quarter, in residence at Green River Community College.

Students are responsible for knowing transfer requirements and policies, and they are urged to consult the catalog

of the institution to which they plan to transfer.

1. GENERAL REQUIREMENTS
(15 credits)

A. Communications: (10 credits)

Courses in this area support the written communication learning outcome.

English &101 **and** 128

B. Quantitative Skills/Symbolic Reasoning Skills: (5 credits)

Courses in this area support the quantitative and symbolic reasoning learning outcome.

Mathematics 256

2. HUMANITIES/FINE ARTS/ENGLISH
(15 credits) No more than 10 credits allowed from any one discipline.

A. Communication Studies &220

B. A minimum of 10 credits from the following: No more than 5 credits in foreign language at the 100 level. No more than 5 credits in performance/skills courses (**all courses in bold type**).

Art &100, **105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119, 120, 122, 130, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257**

Chinese 111, &121, &122, &123
Communication Studies &102, &210, 212, 215, &230, 238, 245

Dance 101, 102, 103, 110, 204
Drama &101, 111, 112, 113, 120, 121, 141, **151, 152, 153**
English &112, &113, &114, 115, 160, 163, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, 239, &244, &245, &246, 247, 248, &254, &255, &256, 257
French &121, &122, &123, &221
German &121, &122, &123
Humanities 100, 110, 133, 142, 160, 186, 190, 191, 224, 272
Japanese &121, &122, &123
Journalism 101, 150, 151, 152, 254
Music 101, 103, 104, &105, 107, 108, 109, 110, **118, 119, 120, &121, &122, &123, 124, 127, 128, 129, 130.1, 130.2, 130.3, &131, &132, &133, 140, 141, 142, 218, 219, 220, &221, &222, 227, 228, 229, 230.1, 230.2, 230.3, &231, &232**
Philosophy &101, 102, 103, 104, 105, &106, 110, 112, 114, 115, 160, 200, 206, 210, 220, 236, 238, 240, 243
Photography 101, 102, 103, 111
Spanish 110, &121, &122, &123, &221, &222, &223

3. SOCIAL SCIENCE (15 credits)

A. Psychology &100

B. Psychology &200

C. A minimum of 5 credits:
Sociology &101, &201, 215, 220, 240, 245, 260

4. NATURAL SCIENCE (36 credits with at least 25 credits lab based)

A. Biology &211 **and** &260

B. Biology &241 **and** &242

C. Chemistry &121 **and** &131

D. Nutrition &101

5. ADDITIONAL CREDITS:

Select 10 credits from the following:

American Minority and Ethnic Studies 100

Anatomy-Physiology 100

Anthropology &205, &235

Communication Studies 238

Mathematics 147

6. TRANSFERABILITY OF CREDITS

Green River Community College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

ASSOCIATE IN BIOLOGY, ENVIRONMENTAL SCIENCE, CHEMISTRY, GEOLOGY, OR EARTH SCIENCE
Associate in Science Transfer Degree - Option 1 (AST-1)
Minimum of 90 Credits

The Associate in Science Transfer degree Option 1 encompasses general education courses required of first- and second-year students and is intended to prepare students planning to transfer to a university in the science-related fields. It will give students the broad background needed before beginning more specialized, upper-division courses. The curriculum is not intended to fulfill General Education/University (GER/GUR) requirements, but to prepare prospective transfer science students to enter the state universities with junior standing, not only in credits but also with major/program preparation.

To earn this degree, students must complete a minimum of 90-quarter credits in courses numbered 100 or above (from approved distribution list below) and meet specific distribution requirements. No more than 20 credits may be taken on a pass/no credit basis. Students should be aware that courses with "Pass" grades may not satisfy

the requirements in their major field. Students must attain a cumulative GPA of 2.0, and earn a minimum of 24 credits, including the last quarter, in residence at Green River Community College. Students should include some 200-level classes in their course of study. Students are responsible for knowing the transfer requirements and policies, and they are urged to consult the catalog of the university to which they plan to transfer.

1. GENERAL REQUIREMENTS
(20 credits)

A. Communications: (5 credits)

Courses in this area support the written communication learning outcome.

English &101 (5 credits)

After consultation with a science advisor, five additional credits are recommended from the following:
English 126 **or** 127 **or** 128

B. Quantitative Skills: (15 credits)

Courses in this area support the quantitative and symbolic reasoning learning outcome.

Mathematics &151 **and** &152 **and** &153 **or** 256

2. HUMANITIES/FINE ARTS/ENGLISH AND SOCIAL SCIENCE (15 credits)

Select 15 credits of humanities/fine arts/English and social science with at least five credits taken from each. Three different subjects required.

A. Humanities/Fine Arts/English

A minimum of 5 credits from the following: No more than 5 credits in foreign language at the 100 level. No more than 5 credits in performance or skills courses (**all courses in bold type**) may be applied to the Humanities/Fine Arts/English distribution.

Art &100, **105, 106, 107, 109, 110, 111, 112, 113, 114, 115,**

119, 120, 122, 130, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257
Chinese 111, &121, &122, &123
Communication Studies &102, &210, &220, 212, 215, &230, 238, 245
Dance 101, 102, 103, 110, 204
Drama &101, 111, 112, 113, 120, 121, 141, **151, 152, 153**
English &112, &113, &114, 115, 160, 163, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, 239, &244, &245, &246, 247, 248, &254, &255, &256, 257
French &121, &122, &123, &221
German &121, &122, &123
Humanities 100, 110, 133, 142, 160, 186, 190, 191, 224, 272
Japanese &121, &122, &123
Journalism 101, 150, 151, 152, 254

Music 101, 103, 104, &105, 107, 108, 109, 110, **118, 119, 120, &121, &122, &123, 124, 127, 128, 129, 130.1, 130.2, 130.3, &131, &132, &133, 140, 141, 142, 218, 219, 220, &221, &222, 227, 228, 229, 230.1, 230.2, 230.3, &231, &232**
Philosophy &101, 102, 103, 104, 105, &106, 110, 112, 114, 115, 160, 200, 206, 210, 220, 236, 238, 240, 243
Photography 101, 102, 103, 111
Spanish 110, &121, &122, &123, &221, &222, &223

- B. Social Science:** A minimum of 5 credits from the following:
American Minority and Ethnic Studies 100, 211
Anthropology &100, &205, &206, &207, &210, 211, &216, &234, &235, &236, 273
Business Management &101, &201
Criminal Justice &101, &105, &110, &240
Economics 100, 101, &202, &201
Geography 100, 108, 120, 123, 190, 200, 205

History 101, 102, 103, 120, 122, 135, &136, &137, &214, &215, 220, 224, 226, 228, 230, 231, 232, 233, 235, 237, 240, 245, 250
Political Science &101, &200, &202, &203, &204, 207, 209
Psychology &100, &180, &200, 201, 209, &220, 225
Social Science 160, 211
Sociology &101, &201, 215, 220, 230, 240, 245, 260

3. SPECIFIC REQUIREMENTS

(50 credits) Class selection depends on the student's area of study. It is strongly suggested that students beginning their science sequence complete it at the originating college. After consultation with a science advisor, a total of 50 credits are required from the following list:

- A. Chemistry** &161, &162, **and** &163 (18 credits)
(Chemistry &261, &262 **and** &263 may be substituted with prior consultation with a science/engineering advisor.)
B. Select 15-18 credits to be taken in sequence order from the following:
 1. Biology &211, &212 **and** &213 **or**

2. Physics 110, 111 **and** 112 **or**
 3. Physics 201, 202 **and** 203

C. Natural Science: Select 14-17 credits from the following list after consultation with a science advisor.

Anatomy and Physiology 210
Biology &211, &212, &213, &241, &242, &260
Chemistry &161, &162, &163, &261, &262, &263
Engineering 106, &214, &224
Environmental Science 204
Geology &101, 206
Mathematics 106, &141, &142, &153, 238, 240, &254, 256
Philosophy &106, 215
Physics 110, 111, 112, 150, 151, 152, 201, 202, 203, 208, 221, 225

4. LIFETIME FITNESS/WELLNESS

(2-3 credits) Select one course from the following:

Physical Education 101, 102, 103, 111, 131, 149, 160, 165, 169
Degree exceptions for fitness/wellness courses must include medical documentation submitted to Disability Support Services (DSS) and documentation to the Degree Exception Committee.

5. ELECTIVES (2-3 credits)

All courses numbered 100 or higher, with the exception of Basic Skills and Physical Education, may be taken as electives.

English 126, 127 or 128 may be used.

6. TRANSFERABILITY OF CREDITS

Green River Community College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

ASSOCIATE IN BIOLOGY EDUCATION

Associate in Science Transfer Degree - Option 1 (AST-1)

104-105 Credits

The Associate in Science Transfer degree Option 1 in Biology Education encompasses general education courses required of first- and second-year students and is intended to prepare students planning to transfer to a university in the science-related fields. It will give students the broad background needed before beginning more specialized, upper-division courses. The curriculum is not intended to fulfill General Education/University (GER/GUR) requirements, but rather to prepare prospective transfer science students to enter the state universities with junior standing, not only in credits but also with major/program preparation.

To earn this degree, students must complete 104-105 quarter credits in courses numbered 100 or higher (from approved distribution list below) and meet specific distribution requirements. No more than 20 credits may be taken on a pass/no credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major

field. Students must attain a cumulative GPA of 2.0, and earn a minimum of 24 credits, including the last quarter, in residence at Green River Community College. Students should include some 200-level classes in your course of study. Students are responsible for knowing the transfer requirements and policies, and they are urged to consult the catalog of the institution for which they plan to transfer.

1. BASIC SKILLS (15 credits)

- A. Communications:** (5 credits)
Courses in this area support the written communication learning outcome.
English &101
B. Quantitative Skills: (10 credits)
Courses in this area support the quantitative and symbolic reasoning learning outcome.
Mathematics &151 **and** &152

2. HUMANITIES/FINE ARTS/ENGLISH and SOCIAL SCIENCE (15 credits)

- A. Communication Studies** &220

B. Psychology

C. A minimum of 5 credits from the following:

American Minority and Ethnic Studies 100
Anthropology &206

3. SPECIFIC PRE-MAJOR REQUIREMENTS (59 credits)

It is strongly suggested that students beginning their science sequence complete it at the originating college.

- A. Chemistry** (&161, &162 **and** &163) **and** (&261, &262 **and** &263)
B. Biology &211, &212 percent &213
C. Mathematics 256

4. ADDITIONAL COURSES

(15-16 credits)
Education &205
English 126, 127 or 128
Health Education 190
Lifetime Fitness/Wellness (2-3 credits):
Physical Education 101, 102, 103, 111, 131, 149, 160, 165, 169

Although it is not a requirement for this degree, it is recommended that students take additional coursework to better prepare them for transfer into this educational field.

Recommended: (15 credits)

Physics: The sequence is 110, 111, **and** 112 **or**

Physics: The sequence is 150, 151, **and** 152 **or**

Physics: The sequence is 201, 202, **and** 203

5. TRANSFERABILITY OF CREDITS

Green River Community College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

ASSOCIATE IN CHEMISTRY EDUCATION
Associate in Science Transfer Degree - Option 1 (AST-1)
101-102 Credits

The Associate in Science Transfer degree Option 1 in Chemistry Education encompasses general education courses required of first- and second-year students and is intended to prepare students planning to transfer to a university in the science-related fields. It will give students the broad background needed before beginning more specialized, upper-division courses. The curriculum is not intended to fulfill General Education/University (GER/GUR) requirements, but rather to prepare prospective transfer science students to enter the state universities with junior standing, not only in credits but also with major/program preparation.

To earn this degree, students must complete 101-102 quarter credits in courses numbered 100 or higher (from approved distribution list below) and meet specific distribution requirements. No more than 20 credits may be taken on a pass/no credit basis. Students should be aware

that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative GPA of 2.0, and earn a minimum of 24 credits, including the last quarter, in residence at Green River Community College. Students should include some 200-level classes in their course of study. Students are responsible for knowing the transfer requirements and policies, and they are urged to consult the catalog of the institution to which they plan to transfer.

1. **BASIC SKILLS** (15 credits)
 - A. **Communications** (5 credits)
Courses in this area support the written communication learning outcome.
English & 101
 - B. **Quantitative Skills** (10 credits)
Courses in this area support the quantitative and symbolic reasoning learning outcome.
Mathematics & 151 and & 152

2. HUMANITIES/FINE ARTS/ENGLISH and SOCIAL SCIENCE (15 credits)

- A. **Communication Studies** &220
- B. **Psychology** &100
- C. A minimum of 5 credits from the following:
American Minority and Ethnic Studies 100
Anthropology &206

3. SPECIFIC PRE-MAJOR REQUIREMENTS (56 credits)

It is strongly suggested that students beginning their science sequence complete it at the originating college.

- A. **Chemistry** (&161, &162 and &163) and (&261, &262 and &263)
- B. **Physics:** The sequence is 110, 111, and 112 or
Physics: The sequence is 150, 151, and 152 or
Physics: The sequence is 201, 202, and 203
- C. **Mathematics** 147 or &153

4. ADDITIONAL COURSES

(15-16 credits)
Education &205
English 126, 127 or 128
Health Education 190
Lifetime Fitness/Wellness (2-3 credits):
Physical Education 101, 102, 103, 111, 131, 149, 160, 165, 169

5. TRANSFERABILITY OF CREDITS

Green River Community College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

ASSOCIATE IN GENERAL SCIENCE EDUCATION
Associate in Science Transfer Degree - Option 1 (AST-1)
93-97 Credits

The Associate in Science Transfer degree Option 1 in General Science Education encompasses general education courses required of first- and second-year students and is intended to prepare students planning to transfer to a university in the science-related fields. It gives students the broad background needed before beginning more specialized, upper-division courses. The curriculum is not intended to fulfill General Education/University (GER/GUR) requirements, but to prepare prospective transfer science students to enter the universities with junior standing, not only in credits but also with major/program preparation.

To earn this degree, students must complete 93-97 quarter credits in courses numbered 100 or higher (from approved distribution list below) and meet specific distribution requirements. No more than 20 credits may be taken on a pass/no credit basis. Students should be aware that courses with "Pass" grades may not

satisfy the requirements in their major field. Students must attain a cumulative GPA of 2.0, and earn a minimum of 24 credits, including the last quarter, in residence at Green River Community College. Students should include some 200-level classes in their course of study. Students are responsible for knowing the transfer requirements and policies, and they are urged to consult the catalog of the institution to which they plan to transfer.

1. **BASIC SKILLS** (15 credits)
 - A. **Communications:** (5 credits)
Courses in this area support the written communication learning outcome.
English & 101
 - B. **Quantitative Skills:** (10 credits)
Courses in this area support the quantitative and symbolic reasoning learning outcome.
Mathematics & 151 and & 152

2. HUMANITIES/FINE ARTS/ENGLISH and SOCIAL SCIENCE (15 credits)

- A. **Communication Studies** &220
- B. **Psychology** &100
- C. A minimum of 5 credits from the following:
American Minority and Ethnic Studies 100
Anthropology &206

3. SPECIFIC PRE-MAJOR REQUIREMENTS (48-51 credits)

- A. **Mathematics** 256
- B. Completion of a minimum of three sequences from the following four subject areas. It is strongly suggested that students beginning their science sequence complete it at the originating college.
 1. **Chemistry:** the sequence is &161, &162, and &163
 2. **Biology:** the sequence is &211, &212, and &213
 3. **Physics:** the sequence is 110, 111, and 112 or
Physics: the sequence is 150,

- 151, and 152 or
Physics: the sequence is 201, 202, and 203
4. **Geology:** the sequence is &101 and 206

4. ADDITIONAL COURSES

(15-16 credits)
Education &205
English 126, 127 or 128
Health Education 190
Lifetime Fitness/Wellness (2-3 credits):
Physical Education 101, 102, 103, 111, 131, 149, 160, 165, 169

5. TRANSFERABILITY OF CREDITS

Green River Community College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

ASSOCIATE IN ENGINEERING, ENGINEERING TECHNOLOGY, COMPUTER SCIENCE, PHYSICS, or ATMOSPHERIC SCIENCES
Associate in Science Transfer Degree - Option 2 (AST-2)
Minimum of 90 Credits

This Associate in Science Transfer degree Option 2 encompasses general education courses required of first- and second-year students and is intended to prepare students planning to transfer to a university in the science-related fields. It gives students the broad background needed before beginning more specialized, upper-division courses. The curriculum is not intended to fulfill General Education/University (GER/GUR) requirements, but to prepare prospective transfer science students to enter the universities with junior standing, not only in credits but also with major/program preparation.

To earn this degree, students must complete a minimum of 90-quarter credits in courses numbered 100 or higher (from approved distribution list below) and meet specific distribution requirements. No more than 20 credits may be taken on a pass/no credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative GPA of 2.0, and earn a minimum of 24 credits, including the last quarter, in residence at Green River Community College. Students should include some 200-level classes in their course of study. Students are responsible for knowing the transfer requirements and policies, and they are urged to consult the catalog of the institution to which they plan to transfer.

1. GENERAL REQUIREMENTS

(20 credits)

A. Communications (5 credits)

Courses in this area support the written communication learning outcome.

English & 101

After consultation with a science advisor, five additional credits are recommended from the following:

English 126 or 127 or 128

B. Quantitative Skills (15 credits)

Courses in this area support the quantitative and symbolic reasoning learning outcome.

Mathematics & 151 **and** & 152 **and** & 153 **or** 256

2. HUMANITIES/FINE ARTS/ENGLISH AND SOCIAL SCIENCE (15 credits)

Select 15 credits of humanities/fine arts/English and social science with at least five credits taken from each. Three different subjects required.

A. Humanities/Fine Arts/English:

A minimum of 5 credits from the following: No more than 5 credits in foreign language at the 100 level. No more than 5 credits

in performance or skills courses (**all courses in bold type**) may be applied to the Humanities/Fine Arts/English distribution.

Art & 100, **105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119, 120, 122, 130, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257**

Chinese 111, & 121, & 122, & 123

Communication Studies & 102, & 210, & 220, 212, 215, & 230, 238, 245

Dance 101, 102, 103, 110, 204

Drama & 101, **111, 112, 113,**

120, 121, 141, 151, 152, 153

English & 112, & 113, & 114, 115, 160, 163, 165, 168, 180, 181, 183, 185, 187, 190, & 220, & 226, & 227, & 228, & 236, & 237, 239, & 244, & 245, & 246, 247, 248, & 254, & 255, & 256, 257

French & 121, & 122, & 123, & 221

German & 121, & 122, & 123

Humanities 100, 110, 133, 142, 160, 186, 190, 191, 224, 272

Japanese & 121, & 122, & 123

Journalism 101, 150, 151, 152, 254

Music 101, 103, 104, & 105, 107,

108, 109, 110, **118, 119, 120,**

& 121, & 122, & 123, 124, 127,

128, 129, 130.1, 130.2, 130.3,

& 131, & 132, & 133, **140, 141,**

142, 218, 219, 220, & 221,

& 222, 227, 228, 229, 230.1,

230.2, 230.3, & 231, & 232

Philosophy & 101, 102, 103, 104, 105, & 106, 110, 112, 114, 115, 160, 200, 206, 210, 220, 236, 238, 240, 243

Photography 101, 102, 103, 111

Spanish 110, & 121, & 122, & 123, & 221, & 222, & 223

B. Social Science: A minimum of 5 credits from the following:

American Minority and Ethnic Studies 100, 211

Anthropology & 100, & 205, & 206, & 207, & 210, 211, & 216, & 234, & 235, & 236, 273

Business Management & 101, & 201

Criminal Justice & 101, & 105, & 110, & 240

Economics 100, 101, & 201, & 202

Geography 100, 108, 120, 123, 190, 200, 205

History 101, 102, 103, 120, 122,

135, & 136, & 137, & 214, & 215,

220, 224, 226, 228, 230, 231,

232, 233, 235, 237, 240, 245,

250

Political Science & 101, & 200,

& 202, & 203, & 204, 207, 209

Psychology & 100, & 180, & 200,

201, 209, & 220, 225

Social Science 160, 211

Sociology & 101, & 201, 215, 220,

230, 240, 245, 260

3. SPECIFIC REQUIREMENTS

(50 credits) Class selection depends on the student's area of study. It is strongly suggested that students beginning their science sequence complete it at the originating college. After consultation with a science advisor, 50 credits are required from the following list:

A. Physics 201, 202 **and** 203

(15 credits)

(**Physics** 110, 111, **and** 112 may be substituted with prior consultation with a science/engineering advisor.)

B. Select 6 credits to be taken from the following:

Chemistry & 161, & 162, & 163, & 261, & 262, & 263

C. Select 5 credits from the

following:

Computer Science & 131, 132, & 141, 145

D. Natural Science: Select 24 credits from the following list after consultation with a science/engineering advisor.

Anatomy/Physiology 210

Biology & 211, & 212, & 213,

& 241, & 242, & 260

Chemistry & 161, & 162, & 163,

& 153, & 262, & 263

Computer Science & 131, 132,

& 141, 145

Engineering 106, 140, & 214,

& 215, & 224, & 225

Environmental Science 204

Geology & 101, 206

Mathematics 106, & 141, & 142,

& 153, 238, 240, & 254, 256

Philosophy & 106, 215

Physics 110, 111, 112, 150, 151,

152, 201, 202, 203, 208, 225

4. LIFETIME FITNESS/WELLNESS

(2-3 credits) Select one course from the following:

Physical Education 101, 102, 103, 111, 131, 149, 160, 165, 169

Degree exceptions for fitness/wellness courses must include medical documentation submitted to Disability Support Services (DSS) and documentation to the Degree Exception Committee.

5. ELECTIVES (2-3 credits)

All courses numbered 100 or higher, with the exception of Basic Skills and Physical Education, may be taken as electives.

English 126, 127 or 128 may be used.

6. TRANSFERABILITY OF CREDITS

Green River Community College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

ASSOCIATE IN PHYSICS EDUCATION
Associate in Science Transfer Degree - Option 2 (AST-2)
97-98 Credits

The Associate in Science Transfer degree Option 2 in Physics Education encompasses general education courses required of first- and second-year students and is intended to prepare students planning to transfer to a university in the science-related fields. It gives students the broad background needed before beginning more specialized, upper-division courses. The curriculum is not intended to fulfill General Education/University (GER/GUR) requirements, but rather to prepare prospective transfer science students to enter the universities with junior standing, not only in credits but also with major/program preparation.

To earn this degree, students must complete 97-98 quarter credits in courses numbered 100 or higher (from approved distribution list below) and meet specific

distribution requirements. No more than 20 credits may be taken on a pass/no credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative GPA of 2.0, and earn a minimum of 24 credits, including the last quarter, in residence at Green River Community College. Students should include some 200-level classes in your course of study. Students are responsible for knowing the transfer requirements and policies, and they are urged to consult the catalog of the institution to which they plan to transfer.

1. **BASIC SKILLS** (15 credits)
 - A. **Communications:** (5 credits)
Courses in this area support the written communication learning outcome.

- English &101**
B. Quantitative Skills: (10 credits)
Courses in this area support the quantitative and symbolic reasoning learning outcome.
Mathematics &151 and &152

2. **HUMANITIES/FINE ARTS/ENGLISH and SOCIAL SCIENCE** (15 credits)
 - A. **Communication Studies &220**
 - B. **Psychology &100**
 - C. A minimum of 5 credits from the following:
American Minority and Ethnic Studies 100
Anthropology &206

3. **SPECIFIC PRE-MAJOR REQUIREMENTS** (52 credits):
 It is strongly suggested that students beginning their science sequence complete it at the originating college.
 - A. **Physics 201, 202, and 203**
 - B. **Chemistry &161 and &163**
 - C. **Mathematics &153, 238, 240, and &254**

- D. Computer Science &131**

4. **ADDITIONAL COURSES** (15-16 credits)
Education &205
English 126, 127 or 128
Health Education 190
Lifetime Fitness/Wellness (2-3 credits):
Physical Education 101, 102, 103, 111, 131, 149, 160, 165, 169

5. **TRANSFERABILITY OF CREDITS**
 Green River Community College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

ASSOCIATE IN MECHANICAL, CIVIL, AERONAUTICAL, INDUSTRIAL or MATERIALS SCIENCE PRE-ENGINEERING
Associate in Science Transfer Degree - Option 2 / Major Related Program (AST-2/MRP 1)
112 Credits

The Associate in Science Transfer degree option 2 MRP encompasses general education courses required of first- and second-year students and is intended to prepare students planning to transfer to a university in the science-related fields. It gives students the broad background needed before beginning more specialized, upper-division courses. The curriculum is not intended to fulfill General Education/University (GER/GUR) requirements, but to prepare prospective transfer science students to enter the universities with junior standing, not only in credits but also with major/program preparation.

To earn this degree, students must complete 112-quarter credits in courses numbered 100 or higher (from approved distribution list below) and meet specific distribution requirements. No more than 20 credits may be taken on a pass/no credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative GPA of 2.0, and earn a minimum of 24 credits, including the last quarter, in residence at Green River Community College. Students should include some 200-level classes in your course of study. Students are responsible for knowing the transfer requirements and

policies, and they are urged to consult the catalog of the institution to which they plan to transfer.

1. **GENERAL REQUIREMENTS** (35 credits)
 - A. **Communications:** (5 credits)
Courses in this area support the written communication learning outcome.
English &101
 - B. **Quantitative Skills:** (30 credits)
Courses in this area support the quantitative and symbolic reasoning learning outcome.
Mathematics &151, &152, &153, 238, 240 and &254

2. **HUMANITIES/FINE ARTS/ENGLISH and SOCIAL SCIENCE** (15 credits)
 (Select 15 credits of humanities/fine arts/English and social science with at least five credits taken from each. Three different subjects required.)

- A. **Humanities/Fine Arts/English:**
 A minimum of 5 credits from the following: **No more than 5 credits** allowed in any one discipline.
No more than 5 credits in foreign language at the 100 level.
No more than 5 credits in performance/skills courses (all courses in bold type) can be applied towards Humanities/ Fine Arts/ English distribution.

- Art &100, 105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119, 120, 122, 130, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257**
Chinese 111, &121, &122, &123
Communication Studies &102, &210, &220, 212, 215, &230, 238, 245
Dance 101, 102, 103, 110, 204
Drama &101, 111, 112, 113, 120, 121, 141, 151, 152, 153
English &112, &113, &114, 115, 160, 163, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, 239, &244, &245, &246, 247, 248, &254, &255, &256, 257
French &121, &122, &123, &221
German &121, &122, &123
Humanities 100, 110, 133, 142, 160, 186, 190, 191, 224, 272
Japanese &121, &122, &123
Journalism 101, 150, 151, 152, 254
Music 101, 103, 104, &105, 107, 108, 109, 110, 118, 119, 120, &121, &122, &123, 124, 127, 128, 129, 130.1, 130.2, 130.3, &131, &132, &133, 140, 141, 142, 218, 219, 220, &221, &222, 227, 228, 229, 230.1, 230.2, 230.3, &231, &232

- Philosophy &101, 102, 103, 104, 105, &106, 110, 112, 114, 115, 160, 200, 206, 210, 220, 236, 238, 240, 243**
Photography 101, 102, 103, 111
Spanish 110, &121, &122, &123, &221, &222, &223
B. Social Science: *A course in Economics is recommended.*
 A minimum of 5 credits from the following:
American Minority and Ethnic Studies 100, 211
Anthropology &100, &205, &206, &207, &210, 211, &216, &234, &235, &236, 273
Business Management &101, &201
Criminal Justice &101, &105, &110, &240
Economics 100, 101, &201, &202
Geography 100, 108, 120, 123, 190, 200, 205
History 101, 102, 103, 120, 122, 135, &136, &137, &214, &215, 220, 224, 226, 228, 230, 231, 232, 233, 235, 237, 240, 245, 250
Political Science &101, &200, &202, &203, &204, 207, 209
Psychology &100, &180, &200, 201, 209, &220, 225
Social Science 160, 211
Sociology &101, &201, 215, 220, 230, 240, 245, 260

3. SPECIFIC REQUIREMENTS

(62 credits)

It is strongly suggested that students beginning their science sequence complete it at the originating college.

A. Physics 201, 202, **and** 203
(15 credits)

B. Chemistry &161 **and** &162
(12 credits)

C. Select 5 credits from the following:
Computer Science &131, 132, &141, 145

D. Select 20 credits from the following:
Engineering 100, 106, &214, &215, &225

E. Select 10 credits from the following list after consultation with a science/engineering advisor.

English 128
Engineering &104, &114, 140, &204, &224

4. TRANSFERABILITY OF CREDITS

Green River Community College is fully accredited. Academic courses will

usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

ASSOCIATE IN BIOLOGICAL or CHEMICAL PRE-ENGINEERING**Associate in Science Transfer Degree - Option 2 / Major Related Program (AST-2/MRP 2)
101-102 Credits**

The Associate in Science Transfer degree Option 2 MRP in Biological or Chemical pre-Engineering encompasses general education courses required of first- and second-year students and is intended to prepare students planning to transfer to a university in the science-related fields. It gives students the broad background needed before beginning more specialized, upper-division courses. The curriculum is not intended to fulfill General Education/University (GER/GUR) requirements, but to prepare prospective transfer science students to enter the universities with junior standing, not only in credits but also with major/program preparation.

To earn this degree, students must complete 101-102 quarter credits in courses numbered 100 or higher (from approved distribution list below) and meet specific distribution requirements. No more than 20 credits may be taken on a pass/no credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative GPA of 2.0, and earn a minimum of 24 credits, including the last quarter, in residence at Green River Community College. Students should include some 200-level classes in your course of study. Students are responsible for knowing the transfer requirements and policies, and they are urged to consult the catalog of the institution to which they plan to transfer.

1. GENERAL REQUIREMENTS

(30 credits)

A. Communications: (5 credits)

Courses in this area support the written Communication learning outcome.

English &101

B. Quantitative Skills: (25 credits)

Courses in this area support the quantitative and symbolic reasoning learning outcome.

Mathematics &151, &152, &153, 238, **and** &254

2. HUMANITIES/FINE ARTS/ENGLISH and SOCIAL SCIENCE (15 credits)

(Select 15 credits of humanities/fine arts/English and social science with at least five credits taken from each. Three different subjects required.)

A. Humanities/Fine Arts/English:

A minimum of 5 credits from the following: No more than 5 credits allowed in any one discipline.

No more than 5 credits in performance/skills courses

(all courses in bold type) can be applied towards Humanities/Fine Arts/English distribution.

No more than 5 credits in foreign language at the 100 level.

Art &100, **105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119, 120, 122, 130, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257**

Chinese 111, &121, &122, &123
Communication Studies &102, &210, &220, 212, 215, &230, 238, 245

Dance 101, **102, 103, 110, 204**
Drama &101, **111, 112, 113, 120, 121, 141, 151, 152, 153**

English &112, &113, &114, 115, 160, 163, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, 239, &244, &245, &246, 247, 248, &254, &255, &256, 257
French &121, &122, &123, &221
German &121, &122, &123
Humanities 100, 110, 133, 142, 160, 186, 190, 191, 224, 272
Japanese &121, &122, &123
Journalism 101, 150, 151, 152, 254

Music 101, 103, 104, &105, 107, 108, 109, 110, **118, 119, 120, &121, &122, &123, 124, 127, 128, 129, 130.1, 130.2, 130.3, &131, &132, &133, 140, 141, 142, 218, 219, 220, &221, &222, 227, 228, 229, 230.1, 230.2, 230.3, &231, &232**
Philosophy &101, 102, 103, 104, 105, &106, 110, 112, 114, 115, 160, 200, 206, 210, 220, 236, 238, 240, 243

Photography 101, **102, 103, 111**
Spanish 110, &121, &122, &123, &221, &222, &223

B. Social Science: *A course in Economics is recommended.*

A minimum of 5 credits from the following:

American Minority and Ethnic Studies 100, 211

Anthropology &100, &205, &206, &207, &210, 211, &216, &234, &235, &236, 273

Business Management &101, &201,

Criminal Justice &101, &105, &110, &240

Economics 100, 101, &201, &202
Geography 100, 108, 120, 123, 190, 200, 205

History 101, 102, 103, 120, 122, 135, &136, &137, &214, &215, 220, 224, 226, 228, 230, 231, 232, 233, 235, 237, 240, 245, 250

Political Science &101, &200, &202, &203, &204, 207, 209

Psychology &100, &180, &200, 201, 209, &220, 225

Social Science 160, 211

Sociology &101, &201, 215, 220, 230, 240, 245, 260

3. SPECIFIC REQUIREMENTS

(56-57 credits)

It is strongly suggested that students beginning their science sequence complete it at the originating college.

A. Physics 201, 202, **and** 203
(15 credits)

B. Chemistry &161, &162, &163 **and** &261 (24 credits)

C. Engineering 100 (2 credits)

D. Biology &100 **or** **Chemistry** &262 (5-6 credits)

E. Select at least 10 credits from the following list after consultation with an engineering advisor.

Biology &100

Chemistry &263*

Computer Science &131, 132, &141, 145

Engineering 100, &204, &224
English 128

Mathematics 240

*An online course on chemical process, principles, and calculations will be added to this degree in the future.

4. TRANSFERABILITY OF CREDITS

Green River Community College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

ASSOCIATE IN COMPUTER or ELECTRICAL PRE-ENGINEERING
Associate in Science Transfer Degree - Option 2 / Major Related Program (AST-2/MRP 3)
96 Credits

The Associate in Science Transfer degree Option 2 MRP in Computer or Electrical pre-Engineering encompasses general education courses required of first- and second-year students and is intended to prepare students planning to transfer to a university in the science-related fields. It gives students the broad background needed before beginning more specialized, upper-division courses. The curriculum is not intended to fulfill General Education/University (GER/GUR) requirements, but to prepare prospective transfer science students to enter the universities with junior standing, not only in credits but also with major/program preparation.

To earn this degree, students must complete 96-quarter credits in courses numbered 100 or higher (from approved distribution list below) and meet specific distribution requirements. No more than 20 credits may be taken on a pass/no credit basis. Students should be aware that courses with "Pass" grades may not satisfy the requirements in their major field. Students must attain a cumulative GPA of 2.0, and earn a minimum of 24 credits, including the last quarter, in residence at Green River Community College. Students should include some 200-level classes in your course of study. Students are responsible for knowing the transfer requirements and policies, and they are urged to consult the catalog of the institution to which they plan to transfer.

1. GENERAL REQUIREMENTS

(30 credits)

- A. Communications:** (5 credits)
Courses in this area support the written communication learning outcome.

English &101 (5 credits)

- B. Quantitative Skills:** (25 credits)
Courses in this area support the quantitative and symbolic reasoning learning outcome.
Mathematics &151, &152, &153, 238 **and** 254

2. HUMANITIES/FINE ARTS/ENGLISH and SOCIAL SCIENCE (15 credits)

(Select 15 credits of humanities/fine arts/English and social science with at least five credits taken from each. Three different subjects required.)

A. Humanities/Fine Arts/English:

A minimum of 5 credits from the following: No more than 5 credits in foreign language at the 100 level. No more than 5 credits allowed in any one discipline. No more than 5 credits in performance/skills courses (all courses in bold type) can be applied towards Humanities/Fine Arts/English distribution.

- Art** &100, **105, 106, 107, 109, 110, 111, 112, 113, 114, 115, 119, 120, 122, 130, 212, 213, 214, 219, 251, 252, 253, 255, 256, 257**
Chinese 111, &121, &122, &123
Communication Studies &102, &210, &220, 212, 215, &230, 238, 245
Dance **101, 102, 103, 110, 204**
Drama &101, **111, 112, 113, 120, 121, 141, 151, 152, 153**
English &112, &113, &114, 115, 160, 163, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, 239, &244, &245, &246, 247, 248, &254, &255, &256, 257
French &121, &122, &123, &221

German &121, &122, &123

- Humanities** 100, 110, 133, 142, 160, 186, 190, 191, 224, 272
Japanese &121, &122, &123
Journalism 101, 150, 151, 152, 254

- Music** 101, 103, 104, &105, 107, 108, 109, 110, **118, 119, 120, &121, &122, &123, 124, 127, 128, 129, 130.1, 130.2, 130.3, &131, &132, &133, 140, 141, 142, 218, 219, 220, &221, &222, 227, 228, 229, 230.1, 230.2, 230.3, &231, &232**
Philosophy &101, 102, 103, 104, 105, &106, 110, 112, 114, 115, 160, 200, 206, 210, 220, 236, 238, 240, 243

- Photography** **101, 102, 103, 111**
Spanish 110, &121, &122, &123, &221, &222, &223

- B. Social Science:** *A course in Economics is recommended.*
 A minimum of 5 credits from the following:

- American Minority and Ethnic Studies** 100, 211
Anthropology &100, &205, &206, &207, &210, 211, &216, &234, &235, &236, 273
Business Management 101, &201
Criminal Justice &101, &105, &110, &240
Economics 100, 101, &201, &202
Geography 100, 108, 120, 123, 190, 200, 205
History 101, 102, 103, 120, 122, 135, &136, &137, &214, &215, 220, 224, 226, 228, 230, 231, 232, 233, 235, 237, 240, 245, 250
Political Science &101, &200, &202, &203, &204, 207, 209

Psychology &100, &180, &200, 201, 209, &220, 225

Social Science 160, 211

Sociology &101, &201, 215, 220, 230, 240, 245, 260

3. SPECIFIC REQUIREMENTS

(51 credits)

It is strongly suggested that students beginning their science sequence complete it at the originating college.

- A. Physics** 201, 202, **and** 203
 (15 credits)
B. Chemistry &161 (6 credits)
C. Select 10 credits:
Computer Science &131 **and** 132 **or** &141 **and** 145
D. Select 10 credits:
Engineering 100, 106, &204
E. *Select 10 credits:
English 128
Engineering &104, &214, &224

**A course in digital logic will be added to this list in the future.*

4. TRANSFERABILITY OF CREDITS

Green River Community College is fully accredited. Academic courses will usually be accepted by other institutions offering the same (or similar) courses. However, each institution has its own transfer policies and each student is responsible for knowing the transfer and admission requirements of the receiving institution. Students are urged to consult with their advisor and a representative from the college they plan to attend after Green River.

Art – Advanced Studies
Academic Certificate
31-33 Credits

This certificate program provides students with a core group of classes that will aid in the creation of an art portfolio. Each certificate is designed to create a proper progression of courses beginning with a strong foundation in the fundamentals of art and design.

Note: This certificate does not qualify for federal financial aid or veteran's funding, unless the certificate or courses is applied towards an Associate in Arts or Associate Development degree.

Contact: Paul Metivier, ext. 4766 Gary Oliveira, ext. 4663
 pmetivier@greenriver.edu goliveira@greenriver.edu
 Cindy Small, ext. 4203 Patrick Navin, ext. 4552
 csmall@greenriver.edu pnavin@greenriver.edu

Dept./No.	Course Title	Credits
Required Courses:		
* Art 180	The Artist's Portfolio	3
* Art 199 or	Independent Study-Design or	
* Art 275, 276, 277 or	Independent Study-Ceramics or	(1-5)
* Art 294, 295, 296 or	Independent Study-Painting or	(1-5)
* Art 297, 298, 299 or	Independent Study-Drawing or	(1-5)
* Photo 197	Independent Study-Photography	(1-5) 3-5

Select a minimum of 25 credits from the following list of courses.

Art 106	Intermediate Drawing	5
Art 107	Advanced Drawing	5
Art 110	Intermediate Design and Color	5
Art 219	Advanced 3-Dimensional Design	5
Art 255	Advanced Painting 1	5
Art 256	Advanced Painting 2	5
Art 251	Ceramics 1	5
Art 252	Ceramics 2	5
Photo 103	Advanced Photography	5
* Photo 113	Advanced Digital Photography	5

All Art History classes are recommended

Art 212, 213, 214	History of Art 1-3	5 ea
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* Course transfers as elective only. Consult with transfer institution.

Art – Ceramics
Academic Certificate
43 Credits

This certificate program provides students with a core group of classes that will aid in the creation of an art portfolio. Each certificate is designed to create a proper progression of courses beginning with a strong foundation in the fundamentals of art and design.

Note: This certificate does not qualify for federal financial aid or veteran's funding, unless the certificate or courses is applied towards an Associate in Arts or Associate Development degree.

Contact: Paul Metivier, ext. 4766
 pmetivier@greenriver.edu

Dept./No.	Course Title	Credits
Art 105	Beginning Drawing	5
Art 109	Beginning Design	5
Art 114	Pottery 1	5
Art 115	Pottery 2	5
Art 119	3-Dimensional Design	5
* Art 180	The Artist's Portfolio	3
Art 251	Ceramics 1	5
Art 252	Ceramics 2	5
Art 253	Ceramics 3	5

To enhance the student's portfolio, the following are recommended:

Art 110	Intermediate Design and Color	5
Art 219	Advanced 3-Dimensional Design	5
Photo 101	Beginning Black and White Photography	5
* Photo 111	Beginning Digital Photography	5

All art history classes are recommended:

Art 212, 213, 214	History of Art 1-3	5 ea
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* Course transfers as elective only. Consult with transfer institution.

Art – Design
Academic Certificate
39-43 Credits

This certificate program provides students with a core group of classes that will aid in the creation of an art portfolio. Each certificate is designed to create a proper progression of courses beginning with a strong foundation in the fundamentals of art and design.

Note: This certificate does not qualify for federal financial aid or veteran's funding, unless the certificate or courses is applied towards an Associate in Arts or Associate Development degree.

Contact: Gary Oliveira, ext. 4663
 goliveira@greenriver.edu

Dept./No.	Course Title	Credits
Art 105	Beginning Drawing	5
Art 106	Intermediate Drawing	5
Art 109	Beginning Design	5
Art 110	Intermediate Design and Color	5
* Art 180	The Artist's Portfolio	3
Photo 111	Beginning Digital Photography	5

Complete three (3) courses from the following list:

Art 111	Painting 1	5
Art 119	3-Dimensional Design	5
* Art 120	Introduction to Graphic Design	5
* Art 122	The Visual Concept of Web Design	5
* Art 135	Introduction to Screen Printing	3
* Art 150	Literary/Art Journal Design	3
Photo 101	Beginning Black and White Photography	5

To enhance the student's portfolio, the following are recommended:

* Art 177-179	Art Work Experience 1-3	1-3
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(Based on interview and availability, limited enrollment)

All art history classes are recommended:

Art 212, 213, 214	History of Art 1-3	5 ea
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* Course transfers as elective only. Consult with transfer institution.

Art – Interdisciplinary
Academic Certificate
41-43 Credits

This certificate program is designed for art educators and those who want to explore various disciplines.

Note: This certificate does not qualify for federal financial aid or veteran's funding, unless the certificate or courses is applied towards an Associate in Arts or Associate Development degree.

Contact: Paul Metivier, ext. 4766 Gary Oliveira, ext. 4663
 pmetivier@greenriver.edu goliveira@greenriver.edu
 Cindy Small, ext. 4203 Patrick Navin, ext. 4552
 csmall@greenriver.edu pnavin@greenriver.edu

Dept./No.	Course Title	Credits
Art 105	Beginning Drawing	5
Art 109	Beginning Design	5
Art 111	Painting 1	5
Art 119	3-Dimensional Design	5
* Art 180	The Artist's Portfolio	3
Art 251	Ceramics 1	5
Photo 101	Beginning Black and White Photography	5
Photo 111	Beginning Digital Photography	5

Choose one course from the following list:

Art 106	Intermediate Drawing	5
Art 110	Intermediate Design and Color	5
* Art 120	Introduction to Graphic Design	5
Art 130	Watercolor Painting	3
Art 133	Portrait Drawing	3
* Art 135	Introduction to Screen Printing	3
* Art 150	Literary/Art Journal Design	3
Art 252	Ceramics 2	5
Art 255	Advanced Painting 1	5
Photo 102	Intermediate Photography	5
* Photo 112	Intermediate Digital Photography	5

All Art History classes are recommended:

Art 212, 213, 214	History of Art 1-3	5 ea
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* Course transfers as elective only. Consult with transfer institution.

Art – Photography
Academic Certificate
43 Credits

This certificate program provides students with a core group of classes that will aid in the creation of an art portfolio. Each certificate is designed to create a proper progression of courses beginning with a strong foundation in the fundamentals of art and design.

Note: This certificate does not qualify for federal financial aid or veteran's funding, unless the certificate or courses is applied towards an Associate in Arts or Associate Development degree.

Contact: Patrick Navin, ext. 4552
pnavin@greenriver.edu

Dept./No.	Course Title	Credits
Photo 101	Beginning Black and White Photography	5
Photo 102	Intermediate Photography	5
Photo 103	Advanced Photography	5
Photo 111	Beginning Digital Photography	5
* Photo 112	Intermediate Digital Photography	5
* Photo 113	Advanced Digital Photography	5
Art 105	Beginning Drawing	5
Art 109	Beginning Design	5
* Art 180	The Artist's Portfolio	3

To enhance the student's portfolio, the following are recommended:

Art 106	Intermediate Drawing	5
Art 110	Intermediate Design and Color	5
* Art 120	Introduction to Graphic Design	5
* Art 150	Literary/Art Journal	3

All art history classes are recommended:

Art 212, 213, 214	History of Art 1-3	5 ea
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* Course transfers as elective only. Consult with transfer institution.

Art – Studio
Academic Certificate
43 Credits

This certificate program provides students with a core group of classes that will aid in the creation of an art portfolio. Each certificate is designed to create a proper progression of courses beginning with a strong foundation in the fundamentals of art and design.

Note: This certificate does not qualify for federal financial aid or veteran's funding, unless the certificate or courses is applied towards an Associate in Arts or Associate Development degree.

Contact: Cindy Small, ext. 4203
csmall@grenriver.edu

Dept./No.	Course Title	Credits
Art 105	Beginning Drawing	5
Art 106	Intermediate Drawing	5
Art 107	Advanced Drawing	5
Art 109	Beginning Design	5
Art 110	Intermediate Design and Color	5
Art 111	Painting 1	5
Art 119	3-Dimensional Design	5
* Art 180	The Artist's Portfolio	3
Art 255	Advanced Painting 1	5

To enhance the student's portfolio, the following are recommended:

Art 130	Watercolor Painting	3
Art 133	Portrait Drawing	3
* Art 135	Introduction to Screen Printing	3
Art 219	Advanced 3-Dimensional Design	5
Art 256	Advanced Painting 2	5
Art 257	Advanced Painting 3	5

All art history classes are recommended:

Art 212, 213, 214	History of Art 1-3	5 ea
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* Course transfers as elective only. Consult with transfer institution.

Broadcasting
Associate Pre-Professional Degree
90 Credits

Broadcasting students may earn a one-year certificate in Broadcasting or a two-year Associate Pre-Professional degree.

Contact: Tom Evans Krause, ext. 2190
tkrause@greenriver.edu

Dept./No.	Course Title	Credits
Cmst& 102	Introduction to Mass Media	5
Cmst& 220	Public Speaking	5
Engl& 101	English Composition I	5
Engl 126 or Engl 127 or Engl 128	Writing: Humanities or Writing: Social Sciences or Research Writing: Science/Engineering/Business	5
Journ 150	Introduction to Broadcasting	3
Journ 151	Radio Production	3
Journ 152	Radio and the Community	3
* Journ 153	Broadcast Newswriting	3
Journ 254	Advanced Radio Production	3
* Journ 255	Marketing the Broadcast Media	3
Math	Any Math course 100 or higher	5
Lifetime/Fitness/ Wellness	Include one fitness-related course	2-3
Humanities/Fine Arts	One additional course (not Cmst or Journ)	1-5
Math/Natural Science	Three separate areas including one lab	15
Social Science	Three separate areas	15
Electives	(See Recommended Electives below)	4

A minimum of 10 total credits to be taken from the following group of Journalism classes:

		10
	<ul style="list-style-type: none"> • Must take one course from Journ 110, 111, 112, and • Must take one course from Journ 120, 121, 122, and • Must take one course from Journ 205, 206, 207 	
* Journ 110 or	Radio Laboratory 1 or	
* Journ 120 or	Digital Radio Laboratory or	
* Journ 205	Radio Management	(1-5)
* Journ 111 or	Radio Laboratory 2 or	
* Journ 121 or	Digital Radio Laboratory 2 or	
* Journ 206	Radio Workshop	(1-5)

* Journ 112 or	Radio Laboratory 3 or	
* Journ 122 or	Digital Radio Laboratory 3 or	
* Journ 207	Advanced Radio Workshop	(1-5)

Recommended Electives:

Cmst 215	Critical Analysis of Media	5
* Journ 156	Broadcast and New Media Announcing	3
* Journ 177-179 and	Journalism Work Experience 1-3 and	
* Coop 171	Work Experience Seminar	1-13
* Journ 251-253	Journalism Internship	3-9

* Course transfers as elective only. Consult with transfer institution.

**Broadcasting
Academic Certificate
34-44 Credits**

Contact: Tom Evans Krause, ext. 2190
tkrause@greenriver.edu

Dept./No.	Course Title	Credits
Engl& 101	English Composition 1	5
Journ 150	Introduction to Broadcasting	3
Journ 151	Radio Production	3
Journ 152	Radio and the Community	3
* Journ 153	Broadcast Newswriting	3
Journ 254	Advanced Radio Production	3
* Journ 255	Marketing the Broadcast Media	3
Reading	Eligible for Read 104 (as determined by the appropriate COMPASS score or completion of Read 094)	0-5

A minimum of 10 total credits to be taken from the following group of Journalism classes:

- Must take one course from Journ 110, 111, 112, and
- Must take one course from Journ 120, 121, 122, and
- Must take one course from Journ 205, 206, 207

* Journ 110 or	Radio Laboratory 1 or	
* Journ 120 or	Digital Radio Laboratory or	
* Journ 205	Radio Management	(1-5)
* Journ 111 or	Radio Laboratory 2 or	
* Journ 121 or	Digital Radio Laboratory 2 or	
* Journ 206	Radio Workshop	(1-5)
* Journ 112 or	Radio Laboratory 3 or	
* Journ 122 or	Digital Radio Laboratory 3 or	
* Journ 207	Advanced Radio Workshop	(1-5)

Electives: Students must choose 1-6 credits from the following courses to total 34-44 credits:

Cmst& 102	Introduction to Mass Media	5
Cmst& 220	Public Speaking	5
* Journ 156	Broadcast and New Media Announcing	3
* Journ 177-179 and	Journalism Work Experience 1-3 and	1-12
* Coop 171	Work Experience Seminar	1
* Journ 251-253	Journalism Internship	3-9

* Course transfers as elective only. Consult with transfer institution.

**Communication Studies
Academic Certificate
20 Credits**

Courses used to fulfill requirements in one section may not be used to fulfill requirements in another section.

Contact: Kathleen Loucks, ext. 4641 Will Scott, ext. 4281
kloucks@greenriver.edu wscott@greenriver.edu

Kate Katims, ext. 4283
kkatims@greenriver.edu

Dept./No.	Course Title	Credits
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Required: 10 credits

Cmst& 220	Public Speaking	5
Cmst& 210 or	Interpersonal Communication or	
Cmst& 230	Small Group Communication	5

Select a minimum of 10 credits from the following list of courses.

* Cmst 100	Fundamentals of Oral Communication	5
Cmst& 210 or	Interpersonal Communication or	5
Cmst& 230	Small Group Communication	5
* Cmst& 177-179 and	Communication Work Experience 1-3 and	1-5
* Coop 171	Work Experience Seminar	1
Cmst 212	Persuasion and Propaganda	5
Cmst 215	Critical Analysis of Media	5
Cmst 238	Intercultural Communication	5
Cmst 245	Argumentation	5
* Cmst 299	Independent Study–Communication Studies	2-5

* Course transfers as elective only. Consult with transfer institution.

**Advanced Communication Studies
Academic Certificate
30 Credits**

Courses used to fulfill requirements in one section may not be used to fulfill requirements in another section.

Contact: Kathleen Loucks, ext. 4641 Will Scott, ext. 4281
kloucks@greenriver.edu wscott@greenriver.edu

Kate Katims, ext. 4283
kkatims@greenriver.edu

Dept./No.	Course Title	Credits
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Required: 10 credits

Cmst& 220	Public Speaking	5
Cmst& 210 or	Interpersonal Communication or	
Cmst& 230	Small Group Discussion	5

Select a minimum of 10 credits from the following courses:

Cmst& 210 or	Interpersonal Communication or	
Cmst& 230	Small Group Communication	5
Cmst 212	Persuasion and Propaganda	5
Cmst 215	Critical Analysis of Media	5
Cmst 238	Intercultural Communication	5
Cmst 245	Argumentation	5

Select a minimum of 10 credits from the following courses:

Art 109	Beginning Design	5
Art 120	Introduction to Graphic Design	5
* Bus 159	Professional Selling	5
* Cmst 100	Fundamentals of Oral Communication	5
Cmst& 102	Introduction to Mass Media	5
* Cmst 177-179 and	Communication Work Experience 1-3 and	
* Coop 171	Work Experience Seminar	1-5
Cmst 212	Persuasion and Propaganda	5
Cmst 215	Critical Analysis of Media	5
Cmst 238	Intercultural Communication	5
Cmst 245	Argumentation	5
* Cmst 299	Independent Study–Communication Studies	1-5
* Journ 110 or	Radio Laboratory or	
* Journ 111 or	Radio Laboratory 2 or	
* Journ 112	Radio Laboratory 3	1-5
Journ 150	Introduction to Broadcasting	3
Journ 151	Radio Production	3
* Journ 205 or	Radio Management or	
* Journ 206 or	Radio Workshop or	
* Journ 207	Advanced Radio Workshop	1-5

* Course transfers as elective only. Consult with transfer institution.

Computing and Software Systems
Associate Pre-Professional Degree
90 Credits

This Associate Pre-Professional degree program is designed to prepare students and meet all prerequisites for entrance to the University of Washington-Tacoma. Students are expected to have completed the following curricula prerequisites during their high school years: Algebra I and II (2 years); Geometry (1 year); Trigonometry (1 year); Physics with lab (1 year); Chemistry or Biology (1 year); Composition/Literature (4 years); Foreign Language (2 years); and be able to demonstrate fluency in computing technologies.

Students exiting this program possess a unique combination of skills and knowledge that will make them well prepared for entry-level positions in the public or private sectors. Students take courses in computer languages, computer architecture, database, data communications and systems analysis and design. Students acquire the necessary computer programming skills for positions concerned with the utilization of the computer in the analysis and solution of scientific, engineering, business and other technical problems.

Contact: Janet Ash, ext 4614 Alan Carter, ext 4630
 jash@greenriver.edu acarter@greenriver.edu

Dept./No.	Course Title	Credits
Core Requirements:		
Bus& 101	Introduction to Business	5
Cmst& 220	Public Speaking	5
CS& 131	Computer Science I C++	5
CS 132	C++ Data Structures	5
CS& 141	Computer Science I Java	5
CS 145	Java 2	5
Engl& 101	English Composition I	5
Engl 128	Research Writing: Science/Engineering/Business	5
IT 101	Introduction to Computer Science	5
IT 102	Programming 1 for Information Professionals	5
IT 190	Linux Administration	5
IT 201	Fundamental Database Design	5
IT 220	Programming II for Information Professionals	5
IT 252	System Administrator for SQL Server	5
Math& 151 or	Calculus I or	
Math 256	Statistics for Business and Social Science	5
Phil& 101	Introduction to Philosophy	5
Phys 110	Introduction to College Physics	5
Psyc& 100 or	General Psychology or	
Soc& 101	Introduction to Sociology	5

Note: Certain courses listed above have additional prerequisites. Consult GRCC catalog for more information or contact the program advisor.

Diversity Studies
Academic Certificate
20 Credits

Examining diversity encompasses the knowledge, attitudes and skills necessary for students to understand power relations; to function responsibly in a diverse, global society; and to gain a critical awareness of the social construction of race, ethnicity, gender, class, sexual orientation, disability, culture, religion and age in local, national and global contexts.

Students must have an accumulative GPA of 2.0 for the classes chosen for the certificate; only one class can have a pass/fail designation.

Students seeking the Gender Studies certificate may use no more than two courses from that certificate to fulfill the Diversity Studies certificate requirements.

Note: This certificate does not qualify for federal financial aid or veteran's funding, unless the certificate or courses is applied towards an Associate in Arts or Associate Development degree.

Contact: Louise Hull, ext 4386 Vik Bahl, ext 4223
 lhull@greenriver.edu vbahl@greenriver.edu

Dept./No.	Course Title	Credits
Required Course:		
Ames 100 or Phil 238	Introduction to Ethnic and Minority Studies or Introduction to the Philosophy of Human Rights	5
Select from the following courses to total 20 credits:		
Anth& 206	Cultural Anthropology	(5)
Anth& 210	Indians of North America	(5)
Drma 121	Contemporary American Movies	(5)
Engl 160	Literature by and About Women	(5)
Engl 163	The Poetics of Rap and Hip Hop	(5)
Engl 247	American Ethnic Literature	(5)
Engl 248	African American Literature	(5)
Engl 257	Non-Western World Literature	(5)
Geog 108	Introduction to Human Geography	(5)
Hist 103	The Modern World	(5)
Hist& 215	Women in United States History	(5)
Hist 224	African American History	(5)
Hist 226	Asian-American History	(5)
Hist 228	Latinos in the United States	(5)
Hist 233	History of Latin America	(5)
Human 224	Women and World Religions	(5)
Soc 220	Sex and Gender in Society	(5)

Early Childhood Education and Diversity Studies
Associate in Applied Science – Transfer (AAS-T)
90-91 Credits

This Associate in Applied Science-Transfer (AAS-T) is a dual purpose degree built upon the technical courses required for job preparation. It includes college-level general education courses, enabling the student to transfer to a select number of baccalaureate institutions. Programs that offer this degree option will have articulated a transfer agreement with specific universities.

Students completing the AAS-T Early Childhood Education and Diversity Studies degree will also earn an Early Childhood Education certificate and a separate certificate in Diversity Studies. The completion of the degree and certificate program prepares graduates to seek employment in child care centers, Head Start, family child care homes, cooperative and private preschools, children's homes, institutions and other programs serving children from birth through 8 years of age. This curriculum provides meaningful instruction for parents, foster parents, and persons working with young children as instructional aides or Paraeducators. Diversity Studies encompasses the knowledge, attitudes and skills necessary for students to understand power relations; to function responsibly in a diverse, global society; and to gain a critical awareness of the social construction of race, ethnicity, gender, class, sexual orientation, disability, culture, religion and age in local, national and global contexts.

Basic Requirements:

- Completion of 90 applicable college-level quarter credit hours
- GRCC cumulative GPA must be a minimum of 2.00 (Note: A higher admissions GPA may be required at the receiving institutions).
- Transfer credits with less than a "D" grade do not satisfy a graduation requirement.
- At least 30 of the 90 quarter credits for a degree must be completed in residence at GRCC.

Contacts: Diana Holz, ext. 4334 Leslie Kessler, ext. 4555
 dholz@greenriver.edu lkessler@greenriver.edu

Dept./No. Course Title Credits

Basic Skills Requirement: 15

# Engl& 101	English Composition I	(5)
# Cmst& 220	Public Speaking	(5)
# Math	Completion of Math course for which Math 097 or higher is a prerequisite	(5)

Lab Science Requirement: Select 5-6 credits from the following: 5-6

Biol &100	Survey of Biology	(5)
Biol 103	Introduction to Botany	(5)
Chem& 121	Introduction to Chemistry	(5)
Chem& 131	Introduction to Organic Chemistry and Biochemistry	(5)
Chem& 140	General Chemistry Prep with Lab	(5)
Chem& 161	General Chemistry with Lab I	(6)
Chem& 162	General Chemistry with Lab II	(6)
Chem& 163	General Chemistry with Lab III	(6)
Chem& 261	Organic Chemistry with Lab I	(6)
Chem& 262	Organic Chemistry with Lab II	(6)
Chem& 263	Organic Chemistry with Lab III	(6)
Geol &101	Introduction to Physical Geology	(5)
Geol 206	Earth History	(5)
Geol& 208	Geology of Pacific Northwest	(5)
Phys 105	Concepts of the Physical World	(5)
Phys 110	Introduction to College Physics	(5)
Phys 111	College Physics 2	(5)
Phys 112	College Physics 3	(5)
Phys 150	Physics for the Life Sciences 1	(5)
Phys 151	Physics for the Life Sciences 2	(5)
Phys 152	Physics for the Life Sciences 3	(5)
Phys 201	Physics/Science/Engineering 1	(5)
Phys 202	Physics/Science/Engineering 2	(5)
Phys 203	Physics/Science/Engineering 3	(5)

Diversity Studies Requirements 25

# Ames 100 or	Introduction to Ethnic and Minority Studies or	(5)
Phil 238	Introduction to the Philosophy of Human Rights	(5)

Select an additional 20 credits from the following courses to satisfy the 25 credits of Diversity Studies requirement:

Anth& 206	Cultural Anthropology	(5)
Anth& 210	Indians of North America	(5)
Drma 121	Contemporary American Movies	(5)
Engl 160	Literature By and About Women	(5)
Engl 163	The Poetics of Rap and Hip Hop	(5)
Engl 247	American Ethnic Literature	(5)
Engl 248	African-American Literature	(5)
Engl 257	Non-Western World Literature	(5)
Geog 108	Introduction to Human Geography	(5)
Hist 103	The Modern World	(5)
Hist 224	African-American History	(5)
Hist& 215	Women in US History	(5)
Hist 226	Asian-American History	(5)
Hist 228	Latinos in the US	(5)
Hist 233	History of Latin America	(5)
Human 224	Women and World Religions	(5)
Soc 220	Sex and Gender in Society	(5)

Early Childhood Education Core Requirements: 45

Select one or more of the ECE certificates with any ECE/Edec/Educ classes over the 100 level to make up 45 credits. (Must include Educ 240 Multicultural/Anti Bias Issues in Education [5 credits] and 12 credits of practicum.)

- Early Childhood Education, Certificate of Proficiency, 44 credits (see page 83)
- Early Childhood Education, Assistant Teacher, Certificate of Proficiency, 27-28 credits (see page 84)
- Early Childhood Education, Child Development Associate (CDA), Certificate of Proficiency, 20 credits (see page 84)

Early Childhood Education, Instructional Paraeducator, Certificate of Proficiency, 44 credits (see page 84)
 Early Childhood Education, Montessori Teaching, Certificate of Proficiency, 34 credits (see page 84)

Satisfies general education requirements.

Early Childhood Education Paraeducator Associate in Applied Science-Transfer (AAS-T) 94-96 Credits

Paraeducators are a valuable asset for teachers in providing support and assistance in instruction and other direct services to students, and in helping to ensure a positive, safe, and supportive learning community. Based on the Washington state Paraeducator standards, the program provides students with the training needed to work as effective members of instructional teams. Core competencies covered in this program prepare paraeducators to effectively support and extend instruction and services, thereby increasing student learning. These core competencies revolve around the areas of instructional strategies, behavior management, and human growth and development. The coursework is offered partially online, as well as in the classroom, drawing on the expertise of local professionals and schools.

Through advising, the student can match their practicum placements and a portion of their course work to Early Childhood, elementary or secondary education with an emphasis in special education, ESOL classrooms, and other specialized populations.

This is a dual-purpose degree program that is intended to prepare students for employment as paraeducators with transfer options to specific baccalaureate degree programs. *Students who wish to explore other transfer options in Teacher Education should contact Project TEACH, a pre-service teacher preparation program designed to provide future teachers with a seamless pathway to a teaching career through partnership with local schools. Project TEACH provides classes designed specifically for future K-12 teachers.

Contacts: Diana Holz, ext. 4334 Leslie Kessler, ext. 4555
 dholz@greenriver.edu lkessler@greenriver.edu

Dept./No. Course Title Credits

Basic Skills Requirements:

# Engl& 101	English Composition I	5
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Select one 5-credit course from the following: 5

Math& 107	Math in Society	(5)
Math& 141	Precalculus 1	(5)
Math 147	Finite Math for Business and Social Science	(5)
Math& 148	Business Calculus	(5)
Math 170	Number Theory for Elementary Teachers	(5)

Humanities/Fine Arts:

Art& 100	Art Appreciation	5
# Cmst& 210 or	Interpersonal Communication or	
Cmst& 220	Public Speaking	5
Musc& 105	Music Appreciation	5

Social Science:

Anth& 100 or	Survey of Anthropology or	
Anth& 206	Cultural Anthropology	5
Psyc& 100	General Psychology	5

Natural Science:

Biol& 100 or	Survey of Biology or	
Geol& 101	Introduction to Physical Geology	5

Health Education:

HI Ed 150	Total Wellness	5
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Program Core:

ECE 101 or	Introduction to Early Childhood Education or	
Educ& 205	Introduction to Education with Field Experience	5

Edec 102	Computers in Education	3
Edec 130	Guidance and Discipline	3
Edec 140	Health, Safety and Nutrition	3
Edec 190	The Role of the Paraeducator	2
Edec 194	Special Topics: School Orientation	1
Edec 195	Special Topics: Alcohol and Drug Awareness	1
Edec 196	Special Topics: Test Administration and Scoring	1
Edec 200	Curriculum Development in Literacy	2
Edec 245	Challenging Behaviors in Young Children	2
Edec 293	Issues of Child Abuse	2
Educ& 115	Child Development	5
Educ& 204	Exceptional Child	5
Educ 210	Assisting Practicum	6
Educ 240	Multicultural/Anti-Bias Issues in Education	3-5
Electives	Any ECE, Edec, Educ	5

Satisfies general education requirements.

* **Note:**

1. You must consult with an appropriate advisor to obtain information on specific requirements of the receiving baccalaureate institution.
2. Some courses may have prerequisites. See course catalog for descriptions.

Gender Studies Academic Certificate 20 Credits

The interdisciplinary academic certificate focuses on the study of gender. The program includes an introductory course in gender studies and 15 credits of additional courses. Content for additional courses may include issues of gender roles for men and women, social construction of gender and sex, and sexuality.

Note: This certificate does not qualify for federal financial aid or veteran's funding, unless the certificate or courses is applied towards an Associate in Arts or Associate Development degree.

Contact: Michelle Marshman, ext. 4384
mmarshman@greenriver.edu

Dept./No.	Course Title	Credits
Required Course:		
Human 160 or S Sci 160	Introduction to Gender Studies or Introduction to the Study of Gender	5
Select 15 credits from the following courses:		15
Engl 160	Literature By and About Women	(5)
Hist& 215	Women in United States History	(5)
Human 224	Women and World Religion	(5)
Phil 206	Philosophical Issues of Sex and Gender	(5)
Psyc 180	Human Sexuality	(5)
Soc 220	Sex and Gender in Society	(5)

Hispanic Studies Academic Certificate 20 Credits

This certificate program is a 20-credit interdisciplinary certificate. The program fosters awareness, knowledge and understanding of the Hispanic world. It offers the student an opportunity to engage in a concentrated study of the diverse culture, art, language and history of Mexico, Central and South America, the Caribbean, Hispanic North America and Spain. Given the continued importance of Latin America to the United States and the increasing population of Hispanics in the United States, this focused program of study will be advantageous to those students entering the job market, as well as transfer students.

Students may enter this certificate program during any quarter. A 2.5 GPA is required for those courses applied to this certificate.

Note: This certificate does not qualify for federal financial aid or veteran's funding, unless the certificate or courses is applied towards an Associate in Arts or Associate Development degree.

Contact: Marisela Fleites-Lear, ext. 4409
mfleites-lear@greenriver.edu

Dept./No.	Course Title	Credits
Required Course:		
Hist 233	History of Latin America	5
Span& 222	Spanish V	5
Select 10 credits from the following courses:		10
Hist 228	Latinos in the United States	(5)
Human 190	Latin American Culture through Literature	(5)
Human 191	Latin America in Film	(5)
Span& 223	Spanish VI	(5)

Information Technology Computer Support Specialist Associate in Applied Science-Transfer Degree (AAS-T) 90 Credits

This degree program prepares students for entry-level employment in a variety of IT positions, such as PC repair technician, computer support technician, technical support specialist, and systems administrator.

Students in this degree program receive foundational training in a broad range of help desk and computer systems administration subjects, resulting in a balanced, well-rounded knowledge of information technology. In addition, students learn key interpersonal communication skills sought by employers, and complete a minimum of 264 hours of help-desk work experience.

Computer support technicians troubleshoot hardware, software, and operating system problems reported by end users, often over the telephone. Technical support specialists install, configure, update, troubleshoot, and repair computer hardware, software, operating systems, and peripheral devices. System administrators install, support, and maintain an organization's network servers and directory services infrastructure.

Contact: Alan Carter, ext. 4630
acarter@greenriver.edu

Gus Gomez, ext. 4309
ggomez@greenriver.edu

Dept./No.	Course Title	Credits
General Education Requirements:		
Bus& 101	Introduction to Business	5
Cmst& 210 or Cmst& 220 or Cmst& 230	Interpersonal Communication or Public Speaking or Small Group Communication	5
Engl& 101	English Composition I	5
Math& 107 or Math& 141 or Math& 142 or Math 147 or Math& 148 or Math& 151	Math in Society or Precalculus 1 or Precalculus 2 or Finite Math for Business and Social Science or Business Calculus or Calculus I	5
Core Requirements:		
* Keyboarding	30 wpm (5 minute-typing test administered by Business Education department)	
Bus E 100	Fundamentals of Computers	5
Bus E 132	Business Communication Applications	5
IT 101	Introduction to Computer Science	5
IT 110 or	PC Support Technician 1 or CompTIA A+ Certification	0-5
IT 115 or	PC Support Technician 2 or CompTIA A+ Certification	0-5

IT 116	PC Support Technician 3 (Windows Applications)	5
IT 130	Introduction to Networking	5
IT 135	Introduction to Network Security	5
# IT 140	Customer Service for IT Professionals	5
IT 160	Microsoft Windows (Current version) Server Implementation	5
IT 225 or IT 121 or Bus E 184	Shell Scripting for Windows or Introduction to HTML or Internet Basic and Web Design	5
IT 240	Manage MS Windows (Current version) Network Environment	5
Practical Experience: Ten credits from the following courses:		10
IT 171	IT Work Experience Seminar	(1)
IT 175	Student Assistant	(0-4)
IT 178	Help Desk Work Experience	(5-9)

- Electives:**
- ** Any course numbered 100 or higher in the college catalog 0-10
 - * *Keyboarding/typing skills may be demonstrated by passing a 5-minute typing test at 30 wpm with five or less errors using the proper typing techniques administered by the Business Education department.*
 - ** *Elective credits are only required if students submit a CompTIA A+ certification in place of IT 110 and/or IT 115.*

Note: Students wishing to transfer to Central Washington University should take Engl 128 in addition to Engl& 101. They should also take Math 147, and one of the following: (Math& 107, Math& 141, Math& 142, Math& 148 or Math& 151). Students who wish to transfer should meet with an academic advisor to ensure they take the appropriate classes to meet the transfer requirements.

Information Technology Information Assurance Associate in Applied Science-T (AAS-T) Degree 105-120 Credits

This degree program prepares graduates for employment in the information technology field as computer security specialists and information assurance technicians.

Information assurance is one of the fastest growing and most challenging specialty areas in information technology. Computer security specialists and information assurance technicians educate end users about security; implement security configurations, including hardening servers and client computers; monitor the network for attempted and actual security breaches; and respond to attacks.

Students in this degree program receive foundational training in a broad range of networking and computer systems administration subjects, resulting in a balanced, well-rounded knowledge of information technology. Students also complete four courses on key information assurance and network security topics: Introducing to Network Security, Information Assurance, Designing and Implementing Security, and Implementing and Security Wireless Networks. In addition to these specialized courses, students learn key interpersonal communication skills sought by employers and complete a minimum of 90 hours of information assurance-related work experience.

Contact: Alan Carter, ext. 4630 Gus Gomez, ext. 4309
 acarter@greenriver.edu ggomez@greenriver.edu

Dept./No.	Course Title	Credits
General Education Requirements:		
Bus& 101	Introduction to Business	5
Cmst& 210 or Cmst& 220 or Cmst& 230	Interpersonal Communication or Public Speaking or Small Group Communication	5
Engl& 101	English Composition I	5

Engl 128	Research Writing: Science/Engineering/Business	5
Math& 107 or Math& 141 or Math& 142 or Math 147 or Math& 151	Math in Society or Precalculus 1 or Precalculus 2 or Finite Math for Business and Social Science or Eligible for Math& 142 or higher Calculus I	0-5

Note: Students wishing to transfer to Central Washington University should take Math 147 and one of the following: (Math& 107, Math& 141, Math& 142, Math& 148 or Math& 151). Students who wish to transfer should meet with an academic advisor to ensure they take the appropriate classes to meet the transfer requirements.

Core Requirements:

* Keyboarding	30 wpm (5 minute-typing test administered by Business Education department)	
IT 110 or	PC Support Technician 1 or CompTIA A+ Certification	0-5
IT 115 or	PC Support Technician 2 or CompTIA A+ Certification	0-5
IT 116 or	PC Support Technician 3 (Windows Applications) or Inside Microsoft Office	5
Bus E 266	Introduction to Networking	5
IT 130	Introduction to Network Security	5
IT 135	Customer Service for IT Professionals	5
IT 140	Introduction to Microsoft Project	5
IT 145	Microsoft Windows (Current version) Server Implementation	5
IT 160	Linux Administration	5
IT 190	Information Assurance	5
IT 215	Shell Scripting for Windows or Programming 1 for Information Professionals or Computer Science 1 Java	5
IT 225 or IT 102 or CS& 141	Implementing Firewalls	5
IT 216	Manage MS Windows (Current version) Network Environment or Advanced Linux Administration – TCP/IP	5
IT 240 or	Implementing and Administering Directory Services	5
IT 243	Patch Management	5
IT 245	Designing and Implementing Security	5
IT 255	Implementing and Securing Wireless Networks	5
IT 280		
IT 285		

Practical Experience – 10 credits from the following courses **10**

IT 171	IT Work Experience Seminar	(1)
IT 175	Student Assistant	(0-3)
IT 178	Help Desk Work Experience	(0-9)
IT 179	Network Security Work Experience	(0-9)

* *Keyboarding/typing skills may be demonstrated by passing a 5-minute typing test at 30 wpm with five or less errors using the proper typing techniques administered by the Business Education department.*

Information Technology Networking Associate in Applied Science-Transfer Degree (AAS-T) 105-120 Credits

The degree program prepares students for entry-level employment in a variety of IT positions, such as PC repair technician, help-desk technician, technical support specialist, network technician, and network or computer systems administrator.

Students in this degree program receive foundational training in a broad range of networking and computer systems administration subjects, resulting in a balanced, well-rounded knowledge of information technology. Students also complete four courses on key networking topics: Introduction to Networking, Managing Cisco Routers and Switches, Managing a Microsoft

Windows Network Environment, and Implementing and Securing Wireless Networks (or Implementing and Managing Microsoft Exchange). In addition to these specialized courses, students learn key interpersonal communication skills sought by employers and complete a minimum of 90 hours of information assurance-related work experience.

Help-desk technicians troubleshoot hardware, software, and operating system problems reported by end users, often over the telephone. Technical support specialists install, configure, update, troubleshoot, and repair computer hardware, software, operating systems, and peripheral devices. Network technicians and administrators install, support, and maintain an organization's network infrastructure. They also troubleshoot problems and monitor the network to ensure that performance and availability standards are met. System administrators install, support, and maintain an organization's network servers and directory services infrastructure.

Contact: Alan Carter, ext. 4630 Gus Gomez, ext. 4309
 acarter@greenriver.edu ggomez@greenriver.edu

Dept./No.	Course Title	Credits
General Education Requirements:		
Bus& 101	Introduction to Business	5
Cmst& 210 or	Interpersonal Communication or	
Cmst& 220 or	Public Speaking or	
Cmst& 230	Small Group Communication	5
Engl& 101	English Composition I	5
Engl 128	Research Writing: Science/Engineering/Business	5
Math& 107 or	Math in Society or	
Math& 141 or	Precalculus 1 or	
Math& 142 or	Precalculus 2 or	
Math 147 or	Finite Math for Business and Social Science or	
	Eligible for Math& 142 or higher	0-5
Math& 151	Calculus I	

Note: Students wishing to transfer to Central Washington University should take Math 147 and one of the following: (Math& 107, Math& 141, Math& 142, Math& 148 or Math& 151). Students who wish to transfer should meet with an academic advisor to ensure they take the appropriate classes to meet the transfer requirements.

Core Requirements:

* Keyboarding	30 wpm (five minute typing test administered by Business Education department)	
IT 110 or	PC Support Technician 1 or	0-5
IT 115 or	PC Support Technician 2 or	0-5
IT 116 or	PC Support Technician 3 (Windows Applications) or	
Bus E 266	Inside Microsoft Office	5
IT 130	Introduction to Networking	5
IT 132	Structured Cabling	2
IT 135	Introduction to Network Security	5
IT 140	Customer Service for IT Professionals	5
IT 145	Using Microsoft Project (Current version)	5
IT 160	Microsoft Windows (Current version) Server Implementation	5
IT 190	Linux Administration	5
IT 210	Managing Cisco Routers and Switches	5
IT 102 or	Programming I for Information Professionals or	
IT 121 or	Introduction to HTML or	
Bus E 184 or	Internet Basic and Web Design or	
IT 225 or	Shell Scripting for Windows or	
CS& 141	Computer Science I Java	5
IT 216	Implementing Firewalls	5
IT 240 or	Manage MS Windows (Current version) Network Environment or	
IT 243	Advanced Linux Administration – TCP/IP	5
IT 245	Implementing and Administering Directory Services	5
IT 250	Implement and Manage MS Exchange (Current version)	5

IT 252 or	MS SQL Server Administration or	
IT 201	Fundamental Database Design	5
IT 285	Implementing and Securing Wireless Networks	5

Practical Experience eight credits from the following courses: 8

IT 171	IT Work Experience Seminar	(1)
IT 175	Student Assistant	(0-3)
IT 178	Help Desk Work Experience	(0-7)
IT 181	Network Management Work Experience	(0-7)

* *Keyboarding/typing skills may be demonstrated by passing a 5-minute typing test at 30 wpm with five or less errors using the proper typing techniques administered by the Business Education department.*

**Information Technology
Networking Infrastructure**

**Associate in Applied Science-Transfer Degree (AAS-T)
103-113 Credits**

This degree program is designed to prepare graduates for employment in the fast-growing information technology field as network technicians, network administrators, and network engineers.

Network technicians and administrators install, support, and maintain an organization's network infrastructure. They also troubleshoot problems and monitor the network to ensure that performance and availability standards are met. Network engineers design, plan, implement and administer complex network environments.

Students in this degree program receive foundational training in a broad range of networking subjects, resulting in a balanced, well-rounded knowledge of planning, implementing, maintaining and troubleshooting networks, including the routers, switches, wireless networking, firewalls, and wiring infrastructure. In addition, students learn key interpersonal, critical thinking, and communication skills sought by employers. Each graduate of this program completes a minimum of 150 hours of network management work experience.

Contact: Alan Carter, ext. 4630 Gus Gomez, ext. 4309
 acarter@greenriver.edu ggomez@greenriver.edu

Dept./No.	Course Title	Credits
General Education Requirements: (25 credits)		
Bus& 101	Introduction to Business	5
Cmst& 210 or	Interpersonal Communication or	
Cmst& 220 or	Public Speaking or	
Cmst& 230	Small Group Communication	5
Engl& 101	English Composition I	5
Engl 128	Research Writing: Science/Engineering/Business	5
Math 147	Finite Mathematics for Business and Social Science	5
Note: Students wishing to transfer to Central Washington University should take Math 147 and one of the following: (Math& 107, Math& 141, Math& 142, Math& 148 or Math& 151). Students who wish to transfer should meet with an academic advisor to ensure they take the appropriate classes to meet the transfer requirements.		
Core Requirements: (79-89 credits)		
* Keyboarding	30 wpm (5 minute typing test administered by Business Education department)	
IT 110 or	PC Support Tech I or	
	Achieve Microsoft MCDST Certification or	
	Achieve CompTIA A+ Certification	0-5
IT 115 or	PC Support Tech II or	
	Achieve CompTIA A+ Certification	0-5
IT 130	Introduction to Networking	5
IT 132	Structured Cabling	2
IT 140	Customer Service for IT Professionals	5
IT 190	Linux Administration	5
IT 211	Routing Theory and Implementation	5
IT 212	Advanced Routing and Switching	5
IT 213	Implementing Wide Area Networking	5

IT 216	Implementing Firewalls	5
IT 240	Manage MS Windows (Current version) Network Environment	5
IT 271	Building Scalable Internetworks	5
IT 272	Implementing Secure Converged WANs	5
IT 273	Building Multilayer Switched Networks	5
IT 274	Optimizing Converged Networks	5
IT 285	Implementing and Securing Wireless Networks	5
IT 286	Implementing Voice Over IP (VOIP)	5

Practical Experience: Six credits from the following courses: 6
 IT 171 IT Work Experience Seminar (1)
 IT 177 Network Administration Work Experience (5)

* *Keyboarding/typing skills may be demonstrated by passing a 5-minute typing test at 30 wpm with five or less errors using the proper typing techniques administered by the Business Education department.*

Information Technology Systems

Associate in Applied Science-Transfer Degree (AAS-T) 90-105 Credits

This degree program is designed to transfer to university to complete a bachelor's degree in an IT related field. In addition, the degree program prepares students for entry-level employment in a variety of IT positions such as: PC repair technician, help-desk technician, technical support specialist, network technician, and network or computer systems administrator.

Students in this degree program receive foundational training in a broad range of networking and computer systems administration subjects resulting in a balanced, well-rounded knowledge of information technology. Students complete three courses on key networking topics: Introduction to Networking, Managing Cisco Routers and Switches, and Implementing Firewalls. In addition, students learn key interpersonal communication skills sought by employers and complete a minimum of 120 hours of information technology-related work experience.

Help-desk technicians troubleshoot hardware, software, and operating system problems end users report (usually via telephone.) Technical support specialists install, configure, update, troubleshoot, and repair computer hardware, software, operating systems, and peripheral devices. Network technicians and administrators install, support, and maintain an organization's network infrastructure. Students learn to troubleshoot problems and monitor the network to ensure the system meets performance and availability standards. System administrators install, support, and maintain an organization's network servers and directory services infrastructure.

Contact: Alan Carter, ext. 4630 Gus Gomez, ext. 4309
 acarter@greenriver.edu ggomez@greenriver.edu

Dept./No.	Course Title	Credits
General Education Requirements:		
Bus& 101	Introduction to Business	5
Cmst& 210 or	Interpersonal Communication or	
Cmst& 220 or	Public Speaking or	
Cmst& 230	Small Group Communication	5
Engl& 101	English Composition I	5
Engl 128	Research Writing: Science/Engineering/Business	5
Math& 142 or	Precalculus 2 or	
Math& 151	Calculus I	5
Phil& 101	Introduction to Philosophy	5
Psyc& 100 or	General Psychology or	
Soc& 101	Introduction to Sociology	5

Note: Students who wish to transfer should meet with an academic advisor to ensure they take the appropriate classes to meet the transfer requirements for the university which they intend to transfer.

Core Requirements:		
* Keyboarding	30 wpm (5-minute typing test administered by Business Education department)	
IT 102	Programming I for Information Professionals	5
IT 110 or	PC Support Technician 1 or CompTIA A+ Certification	0-5
IT 115 or	PC Support Technician 2 or CompTIA A+ Certification	0-5
IT 130	Introduction to Networking	5
IT 135	Introduction to Network Security	5
IT 140	Customer Service for IT Professionals	5
IT 160	Microsoft Windows (Current version) Server Implementation	5
IT 190	Linux Administration	5
IT 201	Fundamental Database Design	5
IT 210	Managing Cisco Routers and Switches	5
IT 216	Implementing Firewalls	5
IT 220	Programming II for Information Professionals	5

Practical Experience: Five credits from the following courses: 5
 IT 171 IT Work Experience Seminar (1)
 IT 175 Student Assistant (0-2)
 IT 178 Help Desk Work Experience (0-4)
 IT 181 Network Management Work Experience (0-4)

Electives: 0-5 Credits from any course numbered 100 or higher in the college catalog 0-5

Note: Elective credits are only required if students submit a CompTIA A+ certification in place of IT 110 and/or IT 115.

* *Keyboarding/typing skills may be demonstrated by passing a 5-minute typing test at 30 wpm with five or less errors using the proper typing techniques administered by the Business Education department.*

Math/Science Certificate for Elementary (K8) Teachers Academic Certificate 30 Credits

A minimum cumulative GPA of 2.5 for all six courses and a minimum 2.0 GPA in each individual course is required to obtain the certificate. The certificate does not lead to a Washington state endorsement in mathematics or science.

Contact: Steve Kinholt, ext. 4354 Keith Clay, ext. 4248
 skinholt@greenriver.edu kclay@greenriver.edu

Dept./No.	Course Title	Credits
Math 170	Number Theory for Elementary Teachers	5
Math 171	Geometry for Elementary Teachers	5
Math 172	Probability and Statistics for Elementary Teachers	5
IDS 101	Interdisciplinary Science 1	5
IDS 102	Interdisciplinary Science 2	5
IDS 103	Interdisciplinary Science 3	5

Mechanical Design Technology Associate in Applied Science Degree-Transfer (AAS-T) 120 Credits

Mechanical designers and technicians assist engineers in industry and require a very broad technological background. Students in this program develop proficiency in board drawing and computer-aided drafting. Students are able to prepare drawings for manufacturing and fabrication. The ANSI (American National Standards Institute) and the ASME (American Society of Mechanical Engineers) drafting and design standards will be taught and

reinforced as students prepare drawings in both 2-D and 3-D using AutoCAD, KeyCreator, and Mastercam applications software. Throughout this course of study, students use sketches, notes, technical literature, and personal research to complete assignments. Students complete related credits in the areas of manufacturing and engineering.

For additional information, see the course description listed under Design Technology.

Contact: Terry Waagan, ext. 4342 Felix Serna, ext. 4321
 twaagan@greenriver.edu fserna@greenriver.edu

Dept./No.	Course Title	Credits
# Cmst 100 or Cmst& 210 or Cmst& 220	Fundamentals of Oral Communication or Interpersonal Communication or Public Speaking	5
D T 100 or D T 110 and	Introduction to CADD/CAM or Introduction to AutoCAD and	(7) (4)
D T 112	Introduction to KeyCreator	(4) 7-8
D T 101 or D T 101.1 and D T 101.2	Technical Drafting or Drafting Fundamentals and Machine Drafting 1	(7) (4) (3) 7
D T 102 or D T 102.1 and D T 102.2	Descriptive Geometry or Descriptive Geometry and Machine Drafting 2	(7) (4) (3) 7
D T 105 or Tech 100	Design Drafting Careers or Careers for the New Millennium	2
D T 113 or D T 236	Introduction to SolidWorks or Introduction to Inventor	4
D T 115	Geometric Dimensioning and Tolerancing	4
D T 131	Mechanical Drafting (CADD)	7
D T 135	3-D CADD/CAM	7
D T 145	Structural Drafting-Steel	4
D T 151	Technical Illustration	7
D T 231	Mechanical Design (CADD)	7
D T 232	Drafting and Design Projects (CADD)	7
D T 237	Advanced 3-D CADD/CAM	4
# Engl& 101 or Engl 128	English Composition I or Research Writing: Science/Engineering/Business	5
I E 189	Basic Metallurgy	4
I E 204 or Engr& 214	Statics and Strengths or Statics	5
# Phys 110 or Phys 201	Introduction to College Physics or Physics/Science/Engineering 1	5
# Ten credits from the following Math courses:		10
Math& 141	Precalculus 1	(5)
Math& 142	Precalculus 2	(5)
Math& 151	Calculus I	(5)
Math& 152	Calculus II	(5)
Electives: Students must choose from the following courses to total 120 credits:		
Coop 171	Work Experience Seminar	(1)
D T 113	Introduction to SolidWorks	(4)
D T 175	Drafting Work Experience	(4-6)
D T 177-179	Drafting Work Experience 1-3	(3 ea)
D T 180-182	Leadership Skills 1-3	(1 ea)
D T 199 or 299	Independent Study-Drafting	(1-5 ea)
D T 200	ADDA Certification	(2)
D T 210	Advanced AutoCAD Development 1	(4)
D T 236	Introduction to Inventor	(4)
D T 238	Intermediate Inventor	(3)
D T 277-279	Drafting Work Experience 4-6	(3 ea)
Engr 106	Introduction to Engineering Problems	(3)
Indus 102.1	Welding Survey 1	(3)
Mfg	Any Manufacturing class	(1-9)

Satisfies general education requirements.

Natural Resources

Associate Pre-Professional Degree

95 Credits

This pre-professional degree program prepares students to transfer to a college or university program as juniors in several natural resources areas. By developing academic skills in mathematics, science, English, humanities, and natural resource courses, the student can transfer directly into a professional program such as natural resources management, forest engineering, or wildlife biology. Selected natural resource courses will transfer to these four-year programs.

This program of study is designed to transfer to most four-year professional programs in natural resources or closely related fields. While setting up a specific program, students should consult the catalog of the school to which they plan to transfer. The university catalog requirements provide the guidance for substitutions. The pre-professional plan must be approved by the natural resources instructor/advisor. Some professional schools require a foreign language.

Contact: Dick Hopkins, ext. 4509 Rob Sjogren, ext. 4582
 dhopkins@greenriver.edu rsjogren@greenriver.edu

Dept No.	Course Title	Credits
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A minimum of 95 credits must be earned from the following categories:

Natural Resources/GIS core classes:

GIS 291	GIS Project Planning	2
Natrs 100	Introduction to Natural Resources	5
Natrs 172	Computer Applications Overview	4
Natrs 180	Natural Resources Measurements	7
Natrs 181	Forest Navigation and Mapping	8
Natrs 182	Air Photo Interpretation and Remote Sensing	5
Natrs 183	Tree and Shrub Identification	5
Natrs 210	Introduction to Soils	5

Mathematics—minimum of 10 credits from:

Math& 141	Precalculus 1	5
Math& 142	Precalculus 2	5
Math& 151	Calculus I	5
Math& 152	Calculus II	5
Math 256	Statistics for Business and Social Science	5

English—required:

Engl& 101	English Composition I	5
Engl 128	Research Writing: Science/Engineering/Business	5

Science—minimum of 10 credits from:

Biol& 211	Majors Cellular	6
Biol& 212	Majors Cellular	6
Biol& 213	Majors Cellular	6
Chem& 121	Introduction to Chemistry	5
Chem& 131	Introduction to Organic Chemistry and Biochemistry	5
Phys 105	Concepts of the Physical World	5

Humanities—required:

Cmst& 220	Public Speaking	5
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Social Science—minimum of 10 credits from:

Econ& 201	Microeconomics	5
Econ& 202	Macroeconomics	5
Geog 120	Introduction to Physical Geography	5
Soc& 101	Introduction to Sociology	5

Wellness:

P E 113	Group Dynamics Activities (taken concurrently with NATRS 181)	1
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Electives—minimum of 8 credits from:

- Any of the above-listed classes
- Any Natural Resources (NATRS) course
- Any Engineering course
- Any GRCC course that is required by the university of 100-level or higher

PROFESSIONAL/TECHNICAL DEGREES AND CERTIFICATES

There are 44 different job-training programs at Green River, each designed to prepare students for immediate employment.

Professional/technical programs are offered in business and office occupations, health sciences, the trades and technical fields. In each program, there is hands-on training using current technology. Expert instructors provide individual attention in classrooms, labs and workshops. Each program is guided by an industry advisory committee to ensure that training meets the needs of local business and industry.

Training programs range in length from one quarter (11 weeks) to two years or more.

In some programs, classes are designed to provide up-to-date information to people already working in industry who need to learn new technology.

ASSOCIATE IN APPLIED ARTS DEGREE (AAA) AND ASSOCIATE IN APPLIED SCIENCE DEGREE (AAS)

The Associate in Applied Arts and the Associate in Applied Science degrees are designed for students in professional/technical programs. The only difference between these degrees is the field of study. Applied Arts degrees are generally awarded for business and business-related fields; Applied Science degrees are granted in health science, technical and trade subjects.

These professional/technical degrees are designed for students who want to prepare for employment. In some cases, credits earned may be applied to study at a four-year college or university.

Degree requirements include:

1. Earning a minimum of 90 credits with a minimum GPA of 2.0.
2. Completing a minimum of 24 credits, including the last quarter of residence, at Green River.
3. Earning no more than 25 percent of the credit requirements on a pass/no credit basis.

The curriculum for each professional/technical program is determined by the faculty of Green River Community College and in some cases an advisory committee from business and industry. Consult the listing of the program of your choice for specific classes required.

PROFESSIONAL/TECHNICAL CERTIFICATE (CERT)

Professional/technical certificates are awarded in some programs.

Professional/technical certificates are designed for students who want to prepare for immediate employment. The certificate includes specific courses in your area of study, as well as related instruction courses that are intended to enhance your learning. In some cases, the credits you earn for these certificates may be applied to an Associate in Applied Arts Degree, Associate in Applied Science Degree, or to study at a four-year college or university.

Professional/Technical Certificate requirements include:

1. Earning a minimum of 45 credits with a minimum GPA of 2.0.
2. Completing a minimum of 12 credits, including the last quarter of residence, at Green River.
3. Earning no more than 25 percent of the credit requirements on a pass/no credit basis.

The curriculum for each professional/technical program is determined by the faculty of Green River Community College and in some cases an advisory committee from business and industry. Specific requirements are listed in "Programs of Study." Students should consult the program listings for specific classes required.

CERTIFICATES OF PROFICIENCY (CERT-P)

Certificates of Proficiency are awarded in some professional/technical programs. The curriculum for each professional/technical program is determined by the faculty of Green River Community College, and in some cases an advisory committee from business and industry. Certificates of Proficiency coursework is 44 or less credits and generally do not include "related instruction" courses. See "Programs of Study" for availability and specific requirements for Certificates of Proficiency, which usually do not include classes outside the major subject.

Certificate of Proficiency requirements include:

1. Earn a minimum GPA of 2.0.
2. Complete a minimum of 25 percent of the credits required, including the last quarter of residence at Green River.
3. Earning no more than 25 percent of the credit requirements on a pass/no credit basis.

RELATED INSTRUCTION REQUIREMENTS FOR THE

Associate In Applied Arts Degree (AAA) and Associate In Applied Science Degree (AAS)

The Associate in Applied Arts (AAA) and the Associate in Applied Science (AAS) degrees are designed for students in professional/technical programs. The faculty of Green River Community College and an advisory committee from local business and industry determine the curriculum for each professional/technical program. Each curriculum includes major field requirements, and related instruction requirements. To earn a degree, a student must accumulate a minimum of 90 credits, meet the specific requirements of the program, and earn a minimum GPA of 2.0. Twenty-four of the total 90 credits, including the last quarter of study, must be completed at Green River. No more than 25 percent of the credit requirements may be earned on a pass/no-credit basis.

Students seeking AAA or AAS degrees must complete related instruction requirements in the program-related areas of communication, computation, and human relations. Where it is appropriate, safety and environmental awareness courses are also required for degree programs.

In most professional/technical fields at Green River, these related instructions are already included within the program. The requirements may be part of several courses or may be included in one particular course. Most students, in meeting the specific requirements of the programs, will automatically meet the related instruction requirements. (Courses designated as related instruction requirements will be denoted with a # symbol.)

The related instruction requirements and their minimum levels of proficiency are listed below. The listed courses in communication, computation, and human relations may be credited toward no more than one related instruction requirement.

Certificates

Related instruction requirements are included in all certificates that are one year in length or longer (45 credits or more).

AAA and AAS Degrees and Certificates

1. COMMUNICATION

A. Writing:

The student will earn a minimum of three credits* from the following: English &101, 109, 126, 127, or 128.

* Although three credits are the minimum requirement, all of the above English courses are offered at five credits.

OR

Business Education 130 for the following business-related degrees and certificates:

<u>Degrees</u>	<u>Certificates</u>
Accounting Technician	Administrative Assistant
Administrative Assistant	Business Applications Specialist
Business Applications Specialist	Business Foundations
Business Management	Retail Management
Computer Reporting Technologies–Captioning	
Computer Reporting Technologies–Court Reporting	
Legal Administrative Assistant	
Medical Office Assistant	

OR

Advanced placement 3 (AP3):	Waiver from writing requirement; no credit granted.
Advanced placement 4 (AP4):	Waiver from writing requirement and 5 credits granted for college-level writing
Advanced placement 5 (AP5):	Waiver from writing requirement and 10 credits granted for college-level writing

B. Oral: The student will earn a minimum of three credits* from the following:

Communication Studies 100, &210, &220, and &230

** Although three credits are the minimum requirement, most communication courses are offered at five credits.*

2. COMPUTATION

Students pursuing degrees or certificates in programs without a specified computation or math course may satisfy this requirement by one of the following:

A. The student will earn a minimum of three credits* from a mathematics course numbered 100 or higher (excluding co-op Math courses).

** Although three credits is the minimum requirement, most mathematics courses are offered at five credits.*

B. Achieve a COMPASS score sufficient for eligibility for Math& 142 or above.

OR

Advanced placement 3 or 4 (AP3 or AP4):	Waiver from computation requirement on the AB Examination and 5 credits granted for Math&151
Advanced placement 5 (AP5):	Waiver from computation requirement on the AB Examination and 10 credits granted for Math&151 and Math&152
Advanced placement 3 (AP3):	Waiver from computation requirement on the BC Examination and 5 credits granted for Math&151
Advanced placement 4 or 5 (AP4 or AP5):	Waiver from computation requirement on the BC Examination and 10 credits granted for Math&151 and Math&152

C. Business Education 110 or Business Administration 145 for the following business related degrees and certificates:

<u>Degrees</u>	<u>Certificates</u>
Accounting Technician	Administrative Assistant
Administrative Assistant	Business Applications Specialist
Business Applications Specialist	Business Foundations
Business Management	Retail Management
Computer Reporting Technologies–Captioning	
Computer Reporting Technologies–Court Reporting	
Early Childhood Education	
Legal Administrative Assistant	
Medical Office Assistant	
Occupational Therapist Assistant	
Physical Therapist Assistant	

D. Computation - Acomp 100N for Occupational Therapy Assistant, Physical Therapist Assistant, and Practical Nursing programs.

E. Computation - Acomp 100T for Occupational Therapy Assistant, Physical Therapist Assistant, and Trades degrees.

3. HUMAN RELATIONS

The student will participate in a minimum of three credits* or 33 hours of course work in which personal quality foundation skills and interpersonal workplace competencies are taught and practiced. These qualities and competencies are identified in the U.S. Department of Labor Secretary's Commission on Achieving Necessary Skills (SCANS). SCANS skills include, but are not limited to the following: demonstrate responsibility, self-worth, and sociability in groups, self-management and integrity/honesty; participate as a team member; help others; exhibit leadership; negotiates agreement; and develop an appreciation of socio-cultural differences while respecting the rights of others.

The student's Human Relations requirement is met if at least 80% of the SCANS attributes (as mentioned above) are embedded into a course or courses that are part of their professional or technical program (see program requirements). If not embedded, the student will earn a minimum of three credits* from the following courses:

- Behavioral Science 103, 190**
- Business Management 166**
- Communication Studies 100, &210, &220, &230, 238**

** Although three credits are the minimum requirement, most courses that meet this requirement are offered at five credits.*

Accounting
Associate in Applied Arts Degree
90 Credits

The graduate of this two-year program will be prepared for employment in accounting and future supervisory positions in accounting and business. Students in this program must complete all required Accounting classes with a grade of 2.0 or higher. Students must earn a cumulative GPA of 2.0 or higher.

Contact: Paul Mueller, ext. 2635
 pmueller@greenriver.edu

Dept./No.	Course Title	Credits
Core Requirements:		
Bus& 101 or Bus 164	Introduction to Business or Entrepreneurship and Small Business Management	5
* Acct 110	Practical Financial Accounting 1	5
* Acct 111	Practical Financial Accounting 2	5
Acct 112	QuickBooks for Accounting	5
** Acct 113	Practical Accounting	5
Acct 118	Individual Taxation	5
Acct 121	Payroll Accounting	5
Bus E 100	Fundamentals of Computers	5
† Bus E 101	Beginning Typing/Keyboarding	5
Bus E 162	Introduction to Excel	5
Bus E 163	Advanced Excel	5
Bus& 201 or Pols& 200	Business Law or Introduction to Law	5
Related Instruction Requirements:		
# B A 145	Business Computation	5
# Behsc 103 or Bus 166 or Cmst 100 or Cmst& 210 or Cmst& 220	Interpersonal Relations or Human Relations and Work Readiness or Fundamentals of Oral Communication or Interpersonal Communication or Public Speaking	5
# Bus E 130 or Engl 109 or Engl& 101 or Engl 126 or Engl 127 or Engl 128	Business Correspondence or Writing for Trades and Professional/Technical Degrees or English Composition I or Writing: Humanities or Writing: Social Sciences or Research Writing: Science/Engineering/Business	5
# Cmst 100 or Cmst& 210 or Cmst& 220 or Cmst& 230	Fundamentals of Oral Communication or Interpersonal Communication or Public Speaking or Small Group Communication	5
Reading	Eligible for Read 104, Reading Mastery	0-5
Electives: Students may choose from the following courses to total 90 credits:		
	Any Acct course	5
	Any B A course	5
	Any Bus E Course	5
	Any Bus Course	5
	Any Math Course	5
Coop 171	Work Experience Seminar	1
Econ 100	Economic Principles and Applications	5
Econ& 201	Microeconomics	5
Econ& 202	Macroeconomics	5

Satisfies related instruction requirements.

Students can only apply Cmst 100, &210, or &220 towards the human relations area if NOT already used in the Communications area of the related instruction requirements.

* Acct& 201, Principles of Accounting I, may be substituted for Acct 110 and Acct 111.

** Acct& 202, Principles of Accounting II, may be substituted for Acct 113.

† Bus E 101; Beginning Typing/Keyboarding may be waived by passing a 3-minute typing test at 30 wpm with five or less errors using the proper touch typing techniques. Elective credits may be used to meet the minimum degree credit requirements.

Accounting
Certificate of Proficiency
40 Credits

For the student who desires early employment, or wishes to add specialty credentials to an already earned degree, GRCC offers a course of instruction culminating in an Accounting certificate. (Tech Prep students may articulate into this program as a continuation of training started in high school qualified programs.) Students in this program must complete all required Accounting classes with a grade of 2.0 or higher. Students must earn a cumulative GPA of 2.0 or higher.

Contact: Paul Mueller, ext. 2635
 pmueller@greenriver.edu

Dept./No.	Course Title	Credits
Core Requirements:		
Bus& 101 or Bus 164	Introduction to Business or Entrepreneurship and Small Business Management	5
* Acct 110	Practical Financial Accounting 1	5
* Acct 111	Practical Financial Accounting 2	5
Acct 112	QuickBooks for Accounting	5
Acct 121	Payroll Accounting	5
Bus E 100	Fundamentals of Computers	5
Bus E 110	Business Math Applications	5
Bus E 162	Introduction to Excel	5
* Acct& 201, Principles of Accounting I, may be substituted for Acct 110 and Acct 111.		

Accounting Clerk
Certificate of Proficiency
15 Credits

Students must complete all required Accounting classes with a grade of 2.0 or higher. Students must earn a cumulative GPA of 2.0 or higher.

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Dept./No.	Course Title	Credits
Core Requirements:		
* Acct 110	Practical Financial Accounting 1	5
Bus E 100	Fundamentals of Computers	5
Bus E 110	Business Math Applications	5
* Acct& 201, Principles of Accounting I, may be substituted for Acct 110.		

Administrative Assistant
Associate in Applied Arts Degree
90 Credits

This degree program provides students an opportunity to develop essential business skills in their area of interest, as well as to offer a comprehensive general education. Placement in courses depends on the student's prior education and experience. Earning an Administrative Assistant degree will prepare the student for employment as an office worker in an entry level position. Students in this program must complete all required classes with a grade of 2.0 or higher. This program meets related instruction requirements for the Associate in Applied Arts degree. Students may enter this program at the beginning of any quarter.

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Dept./No.	Course Title	Credits
Lifetime Fitness/Wellness/ Activity	Any course listed under the AA degree Lifetime Fitness/Wellness/Activity area	1+
Bus E 100	Fundamentals of Computers	5
* Bus E 101	Beginning Typing/Keyboarding	5
* Bus E 102	Intermediate Keyboarding	5
Bus E 103	Advanced Keyboarding	5
# Bus E 110	Business Math Applications	5
Bus E 112	Beginning Word	5
# Bus E 130	Business Correspondence	5
Bus E 132	Business Communication Applications	5
Bus E 140	Records Management	5
Bus E 150	Introduction to Windows	5
Bus E 162 or Bus E 163	Introduction to Excel or Advanced Excel	5
Bus E 177	Business Education Work Experience 1	3
Bus E 200	Production Keyboarding	5
Bus E 214	Introduction to Information Security	5
# Bus E 250	Office Administration	5
Bus E 266	Inside Microsoft Office	5
# Cmst 100 or Cmst& 210 or Cmst& 220 or Cmst& 230	Fundamentals of Oral Communication or Interpersonal Communication or Public Speaking or Small Group Communication	5
Coop 171	Work Experience Seminar	1
Reading	Eligible for Read 104 (as determined by the appropriate COMPASS test score) or completion of Read 094	0-5
Elective Courses: In addition to the required courses, if necessary, choose from the following to total 90 credits:		
Bus& 101 or Bus 164	Introduction to Business or Entrepreneurship and Small Business Management	5
Acct 110 or Acct& 201 or Bus E 090	Practical Financial Accounting 1 or Principles of Accounting I or Office Accounting	5
Acct 112	QuickBooks for Accounting	5
Behsc 190	Stress Management	5
Bus 166	Human Relations and Work Readiness	5
Bus E 080	Keyboarding	2
Bus E 107 and/or Bus E 108	Typing Speed and Accuracy 1 and/or Typing Speed and Accuracy 2	4-8
o Bus E 111	Personal Computing	3
o Bus E 115	Professional Image Building	1
Bus E 119 or Bus E 119.1-119.7	MOS Core and Expert Certification Preparation or Prep Tests: Microsoft Access, Excel, PowerPoint or Word	1-7
Bus E 120	Machine Transcription	5
Bus E 163	Advanced Excel	5
Bus E 170.1 or Bus E 170.2 or Bus E 170.3	Beginning Keyboarding-Alphabet Keys or Keyboarding-Mastering 10-Key and Symbols or Keyboarding-Speed and Accuracy-Skill Building	1
Bus E 171.1 or Bus E 171.2 or Bus E 171.3	PowerPoint: Preparing a Presentation or PowerPoint: Designs with Graphics and Multimedia or PowerPoint: Customize and Incorporate Web Features	1
Bus E 173.1 or Bus E 173.2 or Bus E 173.3 or Bus E 173.4 or Bus E 173.5	Word: Create, Edit and Format Documents or Word: Tables and Sharing Documents or Word: Mail Merges and Other Productivity Tools or Word: Create a Newsletter or Word: Creating Forms, Macros and Document Security	1
Bus E 174.1 or Bus E 174.2 or Bus E 174.3 or Bus E 174.4 or Bus E 174.5	Excel: Introduction to Formulas and Functions or Excel: Charts and Working with Large Worksheets or Excel as a Database or Excel: Data Consolidation and What-If Analysis or Excel: Collaboration, the Web and Macros	1

Bus E 175	Instructor Assistant	1-5
Bus E 176.1 or Bus E 176.2 or Bus E 176.3 or Bus E 176.4	Access: Create and Modify a Database or Access: Use Queries to Produce Information or Access: Create and Modify Forms or Access: Create and Modify Reports	1
† Bus E 178-179	Business Education Work Experience 2-3	2-10
Bus E 184	Internet and Basic Web Design	5
Bus E 185	Introduction to Microsoft Access	5
Bus E 214	Introduction to Information Security	5
Bus E 216	Computer Support Internship 1	5
Bus E 255	Advanced Word	5
Engl 105	Grammar and Usage	5
Psyc& 100	General Psychology	5
Soc& 101	Introduction to Sociology	5

* Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.

† Students may earn up to 10 credits through Co-op classes.

Satisfies related instruction requirements.

o Qualifies as AA-DTA activity credit.

Note: Students may choose the advanced computer applications course as an alternative to the introductory application course requirement such as Bus E 255 in place of Bus E 112.

Administrative Assistant Certificate 65-70 Credits

This certificate program provides students an opportunity to develop essential business skills. Earning an Administrative Assistant Certificate will prepare the student for employment as an office worker in an entry-level position. These credits can be applied to any Business Education degree program. Students in this program must complete all required classes with a grade of 2.0 or higher.

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Dept./No.	Course Title	Credits
Bus E 100	Fundamentals of Computers	5
* Bus E 102	Intermediate Keyboarding	5
Bus E 103	Advanced Keyboarding	5
# Bus E 110	Business Math Applications	5
Bus E 112	Beginning Word	5
# Bus E 130	Business Correspondence	5
Bus E 140	Records Management	5
Bus E 150	Introduction to Windows	5
Bus E 162 or Bus E 163	Introduction to Excel or Advanced Excel	5
Bus E 214	Introduction to Information Security	5
# Bus E 250	Office Administration	5
Bus E 266	Inside Microsoft Office	5
# Cmst 100 or Cmst& 210 or Cmst& 220 or Cmst& 230	Fundamentals of Oral Communication or Interpersonal Communication or Public Speaking or Small Group Communication	5
Reading	Eligible for Read 104 (as determined by the appropriate COMPASS test score) or completion of Read 094	0-5

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

Bus & 101 or Bus 164	Introduction to Business or Entrepreneurship and Small Business Management	5
Acct 110 or Acct & 201 or Bus E 090	Practical Financial Accounting 1 or Principles of Accounting I or Office Accounting	5
Acct 112	QuickBooks for Accounting	5
Bus 166	Human Relations and Work Readiness	5
Bus E 080	Keyboarding	2
* Bus E 101	Beginning Typing/Keyboarding	5
Bus E 107 and/or Bus E 108	Typing Speed and Accuracy 1 and/or Typing Speed and Accuracy 2	4-8
o Bus E 111	Personal Computing	3
o Bus E 115	Professional Image Building	1
Bus E 120	Machine Transcription	5
Bus E 132	Business Communication Applications	5
Bus E 163	Advanced Excel	5
Bus E 170.1 or Bus E 170.2 or Bus E 170.3	Beginning Keyboarding-Alphabet Keys or Keyboarding-Mastering 10-Key and Symbols or Keyboarding-Speed and Accuracy-Skill Building	1
Bus E 171.1 or Bus E 171.2 or Bus E 171.3	PowerPoint: Preparing a Presentation or PowerPoint: Design with Graphics and Multimedia or PowerPoint: Customize and Incorporate Web Features	1
Bus E 173.1 or Bus E 173.2 or Bus E 173.3 or Bus E 173.4 or Bus E 173.5	Word: Create, Edit and Format Documents or Word: Tables and Sharing Documents or Word: Mail Merges and Other Productivity Tools or Word: Create a Newsletter or Word: Creating Forms, Macros and Document Security	1
Bus E 174.1 or Bus E 174.2 or Bus E 174.3 or Bus E 174.4 or Bus E 174.5	Excel: Introduction to Formulas and Functions or Excel: Charts and Working with Large Worksheets or Excel as a Database or Excel: Data Consolidation and What-If Analysis or Excel: Collaboration, the Web and Macros	1
Bus E 176.1 or Bus E 176.2 or Bus E 176.3 or Bus E 176.4	Access: Create and Modify a Database or Access: Use Queries to Produce Information or Access: Create and Modify Forms or Access: Create and Modify Reports	1
† Bus E 177-179 and Coop 171	Business Education Work Experience 1-3 and Work Experience Seminar	2-10 1
Bus E 184	Internet and Basic Web Design	5
Bus E 185	Introduction to Microsoft Access	5
Bus E 214	Introduction to Information Security	5
Bus E 255	Advanced Word	5
Engl 105	Grammar and Usage	5

* Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.

† Students may earn up to 10 credits through Co-op classes.

Satisfies related instruction requirements.

o Qualifies as AA-DTA activity credit.

Note: Students may choose the advanced computer applications course as an alternative to the introductory application course requirement such as Bus E 255 in place of Bus E 112.

Data Entry Certificate of Proficiency 14-15 Credits

These classes may be applied toward the two-year Associate in Applied Arts Degree. Students in this program must complete all required classes with a grade of 2.0 or higher.

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Dept./No.	Course Title	Credits
Bus E 100	Fundamentals of Computers	5
Bus E 101 or Bus E 107	Beginning Typing/Keyboarding or Typing Speed and Accuracy 1	4-5
Bus E 110	Business Math Applications	5

File Clerk Certificate of Proficiency 14 -15 Credits

These classes may be applied toward the two-year Associate in Applied Arts Degree. Students in this program must complete all required classes with a grade of 2.0 or higher.

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Dept./No.	Course Title	Credits
Bus E 100	Fundamentals of Computers	5
Bus E 101 or Bus E 107	Beginning Typing/Keyboarding or Typing Speed and Accuracy 1	4-5
Bus E 140	Records Management	5

Office Support 1 Certificate of Proficiency 14-15 Credits

These classes may be applied toward the two-year Associate in Applied Arts Degree. Students in this program must complete all required classes with a grade of 2.0 or higher.

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Dept./No.	Course Title	Credits
Bus E 102 or Bus E 107	Intermediate Keyboarding or Typing Speed and Accuracy 1	4-5
Bus E 112	Beginning Word	5
Bus E 130	Business Correspondence	5

Automotive Technology

Associate in Applied Science Degree
97-106 Credits

This degree program prepares the student for employment in the automotive industry.

Graduates of the program achieve competencies set forth by the National Automotive Technicians Education Foundation (NATEF) and the National Institute for Automotive Service Excellence (ASE) and obtained related education in the fields of leadership, human relations and communication.

Credit for hours of training is usually granted to those entering into an approved apprenticeship program and is granted for the certification experience requirement.

Entry into the program is on a space-available basis with instructor's permission.

New students must show proof of a valid driver's license.

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Dept./No.	Course Title	Credits
First Quarter		
Reading requirement	Eligible for Read 104	
Atech 110	Shop Procedures	2
Atech 116	Suspension and Steering	6
Atech 117	Brakes	7
Atech 150	Automotive Leadership Skills 1	1
# Cmst 100	Fundamentals of Oral Communication	5
Second Quarter		
# Acomp 100T or Math 062	Computations for the Trades or Review of Arithmetic or Eligible for Math 070, Pre-Algebra	0-5
Atech 111	Electrical and Electronic Systems	14
Atech 151	Automotive Leadership Skills 2	1
Third Quarter		
Atech 112	Engine Performance	9
Atech 113	Engine Repair	3
Atech 152	Automotive Leadership Skills 3	1
Indus 102.1	Welding Survey 1	3
Fourth Quarter		
Atech 112	Engine Performance	5
Atech 115	Manual Drive Trains and Axles	6
Atech 153	Automotive Leadership Skills 4	1
# Engl 109	Writing for Trades and Professional/Technical Degrees	5
Fifth Quarter		
Atech 114 and/or Atech 108.1	Automotive Transmission and Transaxle and/or State Emission Control Specialist Phase 1	4-8
Atech 118	Heating and Air Conditioning	6
Atech 154	Automotive Leadership Skills 5	1
# Behsc 103	Interpersonal Relations	5
Sixth Quarter		
Atech 119 or Atech 177	Special Shop Practice or Auto Work Experience 1	12

Satisfies related instruction requirements. For scheduling or transferability reasons, other courses from the current list of related instruction requirements may be substituted.

Automotive Technology – Brakes, Steering and Suspension

Certificate of Proficiency
16 Credits

Recipients of the certificate will have achieved competencies set forth by the National Automotive Technicians Education Foundation (NATEF) and the National Institute for Automotive Service Excellence (ASE).

The major objective of this certificate program is to provide students opportunity to develop essential skills necessary for an entry-level position in the field of Automotive Brakes, Steering and Suspension repair.

Entry into the program will be on a space-available basis with instructor's permission.

New students must show proof of a valid driver's license.

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Dept./No.	Course Title	Credits
First Quarter		
Reading requirement	Eligible for Read 104	
Atech 110	Shop Procedures	2
Atech 116	Suspension and Steering	6
Atech 117	Brakes	7
Atech 150 or	Automotive Leadership Skills 1 or	1
Atech 151 or	Automotive Leadership Skills 2 or	1
Atech 152 or	Automotive Leadership Skills 3 or	1
Atech 153 or	Automotive Leadership Skills 4 or	1
Atech 154	Automotive Leadership Skills 5	1

Automotive Technology – Electrical Systems

Certificate of Proficiency
15 Credits

Recipients of this certificate achieve competencies set forth by the National Automotive Technicians Education Foundation (NATEF) and the National Institute for Automotive Service Excellence (ASE).

The major objective of this certificate program is to provide students opportunity to develop essential skills necessary for an entry-level position in the field of automotive electrical systems repair.

Entry into the program is on a space-available basis with instructor's permission.

New students must show proof of a valid driver's license.

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Dept./No.	Course Title	Credits
Reading requirement	Eligible for Read 104	
Atech 111	Electrical and Electronic Systems	14
Atech 150 or	Automotive Leadership Skills 1 or	1
Atech 151 or	Automotive Leadership Skills 2 or	1
Atech 152 or	Automotive Leadership Skills 3 or	1
Atech 153 or	Automotive Leadership Skills 4 or	1
Atech 154	Automotive Leadership Skills 5	1

**Automotive Technology –
Engine Performance**
Certificate of Proficiency
15 Credits

Recipients of this certificate achieve competencies set forth by the National Automotive Technicians Education Foundation (NATEF) and the National Institute for Automotive Service Excellence (ASE).

The major objective of this certificate program is to provide students opportunity to develop essential skills necessary for an entry-level position in the field of automotive engine performance and drivability repair.

Entry into the program is on a space-available basis with instructor’s permission.

New students must show proof of a valid driver’s license.

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Dept./No.	Course Title	Credits
Reading requirement	Eligible for Read 104	
Atech 112	Engine Performance	14
Atech 150 or	Automotive Leadership Skills 1 or	
Atech 151 or	Automotive Leadership Skills 2 or	
Atech 152 or	Automotive Leadership Skills 3 or	
Atech 153 or	Automotive Leadership Skills 4 or	
Atech 154	Automotive Leadership Skills 5	1

**Automotive Technology –
Heating and Air Conditioning**
Certificate of Proficiency
7 Credits

Recipients of this certificate achieve competencies set forth by the National Automotive Technicians Education Foundation (NATEF) and the National Institute for Automotive Service Excellence (ASE).

The major objective of this certificate program is to provide students opportunity to develop essential skills necessary for an entry-level position in the field of automotive heating/air conditioning repair.

Entry into the program is on a space-available basis with instructor’s permission.

New students must show proof of a valid driver’s license.

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Dept./No.	Course Title	Credits
Reading requirement	Eligible for Read 104	
Atech 118	Heating and Air Conditioning	6
Atech 150 or	Automotive Leadership Skills 1 or	
Atech 151 or	Automotive Leadership Skills 2 or	
Atech 152 or	Automotive Leadership Skills 3 or	
Atech 153 or	Automotive Leadership Skills 4 or	
Atech 154	Automotive Leadership Skills 5	1

**Automotive Technology -
Transmission and Transaxle**
Certificate of Proficiency
15 Credits

Recipients of this certificate achieve competencies set forth by the National Automotive Technicians Education Foundation (NATEF) and the National Institute for Automotive Service Excellence (ASE).

The major objective of this certificate program is to provide students an opportunity to develop essential skills necessary for an entry-level position in automotive transmission and transaxle repair.

Entry into the program is on a space-available basis with instructor’s permission.

New students must show proof of a valid driver’s license.

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Paul Mueller, ext. 2635
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Dept./No.	Course Title	Credits
Reading requirement	Eligible for Read 104	
Atech 114	Automatic Transmission and Transaxle	8
Atech 115	Manual Drive Trains and Axle	6
Atech 150 or	Automotive Leadership Skills 1 or	
Atech 151 or	Automotive Leadership Skills 2 or	
Atech 152 or	Automotive Leadership Skills 3 or	
Atech 153 or	Automotive Leadership Skills 4 or	
Atech 154	Automotive Leadership Skills 5	1

Air Transportation
Associate in Applied Science Degree
95 Credits

Aviation, business and human relations courses form the core of this program, which is designed to help prepare a student for entry into the airline industry. It is intended for students interested in ramp service, customer service, reservations, flight attendant service, aircraft servicing, airport maintenance and airport management careers.

Students may enter this program at the beginning of any quarter.

Contact: George Comollo, ext. 4336
gcomollo@greenriver.edu

Dept./No.	Course Title	Credits
Acct 110 or	Practical Financial Accounting 1 or	
Acct& 201	Principles of Accounting I	5
Avia 101	Aviation Fundamentals	5
Avia 110	Airline Operation	5
Avia 111 or	Private Pilot Ground School or	
Avia 123	Aviation Weather	5
Avia 213	Aviation History and Careers	5
Avia 214	Airport Management and Operations	5
# Behsc 103 or	Interpersonal Relations or	
Behsc 190 or	Stress Management or	
Bus 166 or	Human Relations and Work Readiness or	
Cmst& 210	Interpersonal Communication	5
Bus& 101 or	Introduction to Business or	
Bus 164	Entrepreneurship and Small Business Management	5
Bus 121	Marketing Fundamentals	5
Bus E 100	Fundamentals of Computers	5
# Cmst 100 or	Fundamentals of Oral Communication or	
Cmst& 220	Public Speaking	5
Econ 100 or	Economic Principles and Applications or	
Econ& 202	Macroeconomics	5

64 Programs of Study

# Engl& 101	English Composition I	5
# Math	Any Math course 100 or higher	5
Psyc& 100	General Psychology	5
Electives (20 credits). Must include any two (2) of the following:		
Avia 177-179 and Coop 171	Aviation Work Experience 1-3 and Work Experience Seminar	1-13 1
Avia 211 and Avia 212	Aerodynamics for Pilots and Human Factors for Aviators	3 2
Bus& 201	Business Law	5
Bus 159	Professional Selling	5
Bus 181	Introduction to International Business	5
Natrs 117	Aerial Photography Uses and Ground Based Mapping	2

Satisfies related instruction requirements.

Air Traffic Control Associate in Applied Science Degree 97 Credits

Green River Community College is a Federal Aviation Administration-Air Traffic College Training Initiative (FAA AT-CTI) school. Graduates of this program must meet the following specific program completion standards (Recommendation Criteria) to earn a positive recommendation for hire by the FAA.

Academic Performance – Students must successfully complete:

- Non-aviation courses with a grade of 75% (GRCC grade 2.0) or higher,
- Aviation courses, except ATC courses, with a grade of 80% (GRCC grade 2.5) or higher,
- ATC courses, excluding Avia 203 ATC Capstone Course, with a grade of 85% (GRCC grade 3.0) or higher,
- Successfully complete Avia 203 – the GRCC ATC capstone course – with a grade of 87% (GRCC grade 3.2) or higher, AND, complete the following tests in:
 - Avia 203 Area Knowledge Test – **90%**
 - Avia 203 Phraseology Tests – **80%**
 - Avia 203 Strip-Marking Tests – **80%**
 - Avia 203 AT-Basics Final Exam series (Four Tests) with a minimum score of 80% on any of the final four exams and an overall average score of 90% or higher for all four tests.
- The ATC degree program with an overall minimum GPA of 85% (GRCC 3.0)

Conduct and Deportment

GRCC AT-CTI faculty must recommend to the FAA the suitability of each graduate of this program to work for the FAA in an Air Traffic Control job. To earn a positive recommendation, students must demonstrate excellent judgment, superior cooperation and respectful behavior at all times and in all situations. Any factual situation on or off campus involving a student that reflects on the student's judgment or ability to work effectively within groups or teams, will be included in the GRCC recommendation to the FAA.

Contact: George Comollo, ext. 4336 Curt Scott, ext. 4335
gcomollo@greenriver.edu cscott@greenriver.edu

Dept./No.	Course Title	Credits
Avia 101	Aviation Fundamentals	5
Avia 110	Airline Operation	5
Avia 111	Private Pilot Ground School	5
Avia 123	Aviation Weather	5
Avia 128	Basic Weather Observation	2
Avia 201	Air Traffic Control 1	5
Avia 202	Air Traffic Control 2	5
Avia 203	Air Traffic Control 3-Enroute ATC	5
Avia 208	Airline Dispatch	5

Avia 209	International Flight Planning and ETOPS	5
Avia 211	Aerodynamics for Pilots	3
Avia 212	Human Factors for Aviators	2
Avia 213	Aviation History and Careers	5
Avia 214	Airport Management and Operations	5
Avia 216	Instrument Pilot Ground School	5
# Behsc 103 or Behsc 190 or Bus 166 or Cmst& 210	Interpersonal Relations or Stress Management or Human Relations and Work Readiness or Interpersonal Communication	5 5 5
Bus E 100	Fundamentals of Computers	5
# Cmst 100 or Cmst& 220	Fundamentals of Oral Communication or Public Speaking	5 5
# Engl& 101	English Composition I	5
# Math 115T or Natural Science	Natural Resources Algebra/Trigonometry 1 or Any Math course 100 or higher Any physics, chemistry, geology, biology, astronomy course with a lab	5 5 5

Suggested Electives:

Avia 112	Aircraft System and Flight Deck Technology	2
Avia 121	Basic Weather Theory	2
Avia 127	Basic Weather Reports	1
Avia 177-179 and Coop 171	Aviation Work Experience 1-3 and Work Experience Seminar	1-13 1
Natrs 117	Aerial Photography Uses and Interpretation	2

Satisfies related instruction requirements.

Aircraft Dispatcher Certificate of Proficiency 41- 43 Credits

This certificate program prepares students with no background in aviation for the FAA Aircraft Dispatcher practical examination. This examination must be taken within 90 days of graduation.

Entrance Requirements:

- Math scores of 86-100 on the numerical skill portion of the COMPASS or qualifies for Math 072.
- College-level reading competency as measured by COMPASS reading assessment or eligible for Read 104.
- Recommended keyboarding/typing skill of 30 wpm. Keyboarding/typing skills may be demonstrated by passing a 3-minute typing test at 30 wpm with five or less errors using the proper touch typing technique administered by the Business Education department.

Contact: George Comollo, ext. 4336
gcomollo@greenriver.edu

Dept./No.	Course Title	Credits
First Quarter		
Avia 110	Airline Operation	5
Avia 111	Private Pilot Ground School	5
Avia 123	Aviation Weather	5
Second Quarter		
Avia 201	Air Traffic Control 1	5
Avia 216	Instrument Pilot Ground School	5
Bus E 100 or Bus E 111	Fundamentals of Computers or Personal Computing	3-5
Third Quarter		
Avia 208	Airline Dispatch	5
Avia 209	International Flight Planning and ETOPS	5
Elective	Any course 100 or higher	3

Advanced Air Traffic Control
Certificate of Proficiency
25 Credits

This certificate program prepares individuals with no background in aviation for the FAA admission test into the Air Traffic Control System.

Contact: George Comollo, ext. 4336
 gcomollo@greenriver.edu

Dept./No.	Course Title	Credits
First Quarter		
Avia 111	Private Pilot Ground School	5
Avia 123	Aviation Weather	5
Avia 216	Instrument Pilot Ground School	5
Second Quarter		
Avia 201	Air Traffic Control 1	5
Avia 202	Air Traffic Control 2	5

Airline Dispatch
Associate in Applied Science Degree
92 Credits

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 gcomollo@greenriver.edu cscott@greenriver.edu

Dept./No.	Course Title	Credits
Avia 101	Aviation Fundamentals	5
Avia 110	Airline Operation	5
Avia 111	Private Pilot Ground School	5
Avia 123	Aviation Weather	5
Avia 128	Basic Weather Observation	2
Avia 201	Air Traffic Control 1	5
Avia 202	Air Traffic Control 2	5
Avia 208	Airline Dispatch	5
Avia 209	International Flight Planning and ETOPS	5
Avia 211	Aerodynamics for Pilots	3
Avia 212	Human Factors for Aviators	2
Avia 213	Aviation History and Careers	5
Avia 214	Airport Management and Operations	5
Avia 216	Instrument Pilot Ground School	5
# Behsc 103 or	Interpersonal Relations or	
Behsc 190 or	Stress Management or	
Bus 166 or	Human Relations and Work Readiness or	
Cmst& 210	Interpersonal Communication	5
Bus E 100	Fundamentals of Computers	5
# Cmst 100 or	Fundamentals of Oral Communication or	
Cmst& 220	Public Speaking	5
# Engl& 101	English Composition 1	5
# Math 115T or	Natural Resources Algebra/Trigonometry 1 or	
	Any Math course 100 or higher	5
Natural Science	Any physics, chemistry, geology, biology, astronomy course with a lab	5
Suggested Electives:		
Avia 112	Aircraft System and Flight Deck Technology	2
Avia 121	Basic Weather Theory	2
Avia 127	Basic Weather Reports	1
Avia 177-179 and	Aviation Work Experience 1-3 and	1-13
Coop 171	Work Experience Seminar	1
Natrs 117	Aerial Photography Uses and Interpretation	2

Satisfies related instruction requirements.

Airline Dispatcher Completion
Certificate of Proficiency
20 - 25 Credits

This certificate program prepares individuals with no background in aviation for the FAA Aircraft Dispatcher practical examination. This examination must be taken within 90 days of graduation.

Contact: George Comollo, ext. 4336
 gcomollo@greenriver.edu

Dept./No.	Course Title	Credits
First Quarter		
Avia 111	Private Pilot Ground School (if necessary)	0-5
Avia 123	Aviation Weather	5
Avia 216	Instrument Pilot Ground School	5
Second Quarter		
Avia 201	Air Traffic Control 1	5
Avia 208	Airline Dispatch	5

International Flight Planning
Certificate of Proficiency
25 - 30 Credits

This certificate program prepares individuals with only an aircraft dispatcher's license to be knowledgeable in international operations and ETOPS procedures.

Contact: George Comollo, ext. 4336
 gcomollo@greenriver.edu

Dept./No.	Course Title	Credits
First Quarter:		
Avia 111	Private Pilot Ground School (if necessary)	0-5
Avia 123	Aviation Weather	5
Avia 216	Instrument Pilot Ground School	5
Second Quarter:		
Avia 201	Air Traffic Control 1	5
Avia 208	Airline Dispatch	5
Avia 209	International Flight Planning and ETOPS	5

Helicopter Pilot
Associate in Applied Science Degree
93 Credits

This degree program is similar to Professional Pilot except that an instrument rating is not required. The Commercial Helicopter Pilot FAA certificate (license) is required. This degree requires 150 hours of flight time. Flight training is conducted at Boeing Field, Tacoma Narrows, or Crest Airpark.

Contact: George Comollo, ext. 4336
 gcomollo@greenriver.edu

Dept./No.	Course Title	Credits
Avia 101	Aviation Fundamentals	5
Avia 110	Airline Operation	5
Avia 111	Private Pilot Ground School	5
Avia 123	Aviation Weather	5
Avia 201	Air Traffic Control 1	5
Avia 206	Helicopter Ground School	3
Avia 208	Airline Dispatch	5
Avia 211	Aerodynamics for Pilots	3
Avia 212	Human Factors for Aviators	2

Avia 213	Aviation History and Careers	5
Avia 216	Instrument Pilot Ground School	5
Avia 218	Commercial Pilot Ground School	5
# Behsc 103 or	Interpersonal Relations or	
Behsc 190 or	Stress Management or	
Bus 166 or	Human Relations and Work Readiness or	
Cmst& 210	Interpersonal Communication	5
Bus E 100	Fundamentals of Computers	5
# Cmst 100 or	Fundamentals of Oral Communication or	
Cmst& 220	Public Speaking	5
# Engl& 101	English Composition 1	5
# Math	Any Math course 100 or higher	5
Natural Science	Any physics, chemistry, geology, biology, astronomy course with a lab	5

Electives: Select 10 credits from the following courses to total 93 credits:

Avia 177-179 and	Aviation Work Experience 1-3 and	1-13
Coop 171	Work Experience Seminar	1
GIS 260	Cartography-Based GIS	5
Natrs 117	Aerial Photography Uses and Ground Based Mapping	2

Satisfies related instruction requirements.

Helicopter Certificate

Certificate of Proficiency
33 Credits

This one year Helicopter certificate option supplements the GRCC Helicopter Pilot two year degree program.

Contact: George Comollo, ext. 4336
gcomollo@greenriver.edu

Dept./No.	Course Title	Credits
Avia 111	Private Pilot Ground School	5
Avia 123	Aviation Weather	5
Avia 206	Helicopter Ground School	3
Avia 211	Aerodynamics for Pilots	3
Avia 212	Human Factors for Aviators	2
Avia 213	Aviation History and Careers	5
Avia 216	Instrument Pilot Ground	5
Avia 218	Commercial Pilot Ground	5

Professional Pilot Associate in Applied Science Degree 97 Credits

The degree program for Professional Pilot, Instrument Pilot and Commercial Pilot requires completion of the relevant FAA certificates (licenses). All ground instruction and supporting courses are available on campus. Because Green River does not own or operate any aircraft, all flight training except for use of flight simulator, is completed at local airports where the flight schools are located. Each pilot certificate requires the passing of a flight physical, a written test, accumulation of a prescribed amount of flight time, and a flight test. The written test may be taken anytime, and actual flight time is not required. The pilot ground school and other supporting courses at Green River prepare students for the written test.

Charges for flight training include a per-hour rate for the aircraft (about \$98 per hour), and per hour rate for the flight instructor when the instructor is on-board, for a combined total of about \$130 per hour. As the student progresses to higher ratings, such as instrument pilot, more expensive aircraft is required for at least part of the flight time. The flight instructor also charges a fee for pre- and post-flight instruction. Flight costs are in addition to tuition and can be paid to Green River or to the flight school.

Contact: George Comollo, ext. 4336
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Curt Scott, ext. 4335
cscott@greenriver.edu

Dept./No.	Course Title	Credits
Avia 101	Aviation Fundamentals	5
Avia 110	Airline Operation	5
Avia 111	Private Pilot Ground School	5
Avia 123	Aviation Weather	5
Avia 128	Basic Weather Observation	2
Avia 201	Air Traffic Control 1	5
Avia 208	Airline Dispatch	5
Avia 211	Aerodynamics for Pilots	3
Avia 212	Human Factors for Aviators	2
Avia 213	Aviation History and Careers	5
Avia 214	Airport Management and Operations	5
Avia 216	Instrument Pilot Ground School	5
Avia 218	Commercial Pilot Ground School	5
# Behsc 103 or	Interpersonal Relations or	
Behsc 190 or	Stress Management or	
Bus 166 or	Human Relations and Work Readiness or	
Cmst& 210	Interpersonal Communication	5
Bus E 100	Fundamentals of Computers	5
# Cmst 100 or	Fundamentals of Oral Communication or	
Cmst& 220	Public Speaking	5
# Engl& 101	English Composition 1	5
# Math	Any Math course 100 or higher	5
# Natural Science	Any Physics, Chemistry, Geology, Biology, Astronomy course with a lab	5

Electives: Select ten (10) credits from the following courses to total 97 credits.

Avia 112	Aircraft System and Flight Deck Technology	2
Avia 121	Basic Weather Theory	2
Avia 127	Basic Weather Reports	1
Avia 177-179 and	Aviation Work Experience 1-3 and	1-13
Coop 171	Work Experience Seminar	1
Natrs 117	Aerial Photography Uses and Ground Based Mapping	2
GIS 260	Cartography-Based GIS	5

Satisfies related instruction requirements.

Basic Airport Management

Certificate of Proficiency
15 Credits

Contact: George Comollo, ext. 4336
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Curt Scott, ext. 4335
cscott@greenriver.edu

Dept./No.	Course Title	Credits
Avia 110	Airline Operation	5
Avia 213	Aviation History and Careers	5
Avia 214	Airport Management and Operations	5

Basic Aviation Knowledge

Certificate of Proficiency
10 Credits

This certificate program prepares individuals with no background in aviation for the FAA Private Pilot written exam.

Contact: George Comollo, ext. 4336
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Curt Scott, ext. 4335
cscott@greenriver.edu

Dept./No.	Course Title	Credits
First Quarter:		
Avia 111	Private Pilot Ground School	5
Avia 123	Aviation Weather	5

Intermediate Aviation Knowledge
Certificate of Proficiency
15 Credits

This certificate program prepares individuals with only the Private Pilot background in aviation for the FAA Instrument Pilot written exam.

Contact: George Comollo, ext. 4336 Curt Scott, ext. 4335
 gcomollo@greenriver.edu cscott@greenriver.edu

Dept./No.	Course Title	Credits
First Quarter		
Avia 111	Private Pilot Ground School	5
Avia 123	Aviation Weather	5
Avia 216	Instrument Pilot Ground School	5

Advanced Aviation Knowledge
Certificate of Proficiency
20 Credits

This certificate program prepares individuals with a Private Pilot and Instrument Rating Background for the FAA Commercial Pilot written exam.

Contact: George Comollo, ext. 4336 Curt Scott, ext. 4335
 gcomollo@greenriver.edu cscott@greenriver.edu

Dept./No.	Course Title	Credits
First Quarter		
Avia 111	Private Pilot Ground School	5
Avia 123	Aviation Weather	5
Avia 216	Instrument Pilot Ground School	5
Second Quarter		
Avia 218	Commercial Pilot Ground School	5

Basic Weather Observer
Certificate of Proficiency
5 Credits

This certificate program prepares students to become Certified Weather Observers under National Weather Service standards. It allows students with no background in this field to obtain the necessary knowledge and become Certified Weather Observers upon employment within the aviation industry.

Note: This certificate does not qualify for federal financial aid or veteran's funding.

Contact: George Comollo, ext. 4336
 gcomollo@greenriver.edu

Dept./No.	Course Title	Credits
Avia 121	Basic Weather Theory	2
Avia 127	Basic Weather Reports	1
Avia 128	Basic Weather Observation	2

Business Applications Specialist
Associate in Applied Arts Degree
91-96 Credits

This degree program provides students an opportunity to develop essential business skills in their area of interest, as well as a comprehensive general education. Placement in courses depends on the student's prior education and experience. Students in this program must complete all required classes with a grade of 2.0 or higher. Students may enter this program at the beginning of any quarter. This program meets the college's related instruction requirements for the Associate in Applied Arts degree.

Contact: Tonya McCabe, ext. 4783 Lea Ann Simpson, ext. 4393
 tmccabe@greenriver.edu lsimpson@greenriver.edu

Dept./No.	Course Title	Credits
Lifetime Fitness/Wellness/Activity	Any courses under the AA degree Lifetime Fitness/Wellness/Activity Area	1+
Bus E 100	Fundamentals of Computers	5
* Bus E 101	Beginning Typing/Keyboarding	5
* Bus E 102	Intermediate Keyboarding	5
# Bus E 110	Business Math Applications	5
Bus E 112	Beginning Word	5
# Bus E 130	Business Correspondence	5
Bus E 132	Business Communication Applications	5
Bus E 140	Records Management	5
Bus E 150	Introduction to Windows	5
Bus E 162	Introduction to Excel	5
Bus E 184	Internet and Basic Web Design	5
Bus E 185	Introduction to Microsoft Access	5
Bus E 214	Introduction to Information Security	5
Bus E 216	Computer Support Internship 1	5
Bus E 218	Basic Office PC Support	5
# Bus E 250	Office Administration	5
Bus E 266	Inside Microsoft Office	5
# Cmst 100 or Cmst& 210 or Cmst& 220 or Cmst& 230	Fundamentals of Oral Communication or Interpersonal Communication or Public Speaking or Small Group Communication	5
Reading	Eligible for Read 104 (as determined by the appropriate COMPASS test score) or completion of Read 094	0-5
To enhance the student's preparation for future employment, we recommend the following:		
Acct 110 or Acct& 201 or Bus E 090	Practical Financial Accounting 1 or Principles of Accounting I or Office Accounting	5
Acct 112	QuickBooks for Accounting	5
Behsc 190	Stress Management	5
Bus& 101 or Bus 164	Introduction to Business or Entrepreneurship and Small Business Management	5
Bus 166	Human Relations and Work Readiness	5
Bus E 103	Advanced Keyboarding	5
Bus E 107 and/or Bus E 108	Typing Speed and Accuracy 1 and/or Typing Speed and Accuracy 2	4-8
o Bus E 111	Personal Computing	3
o Bus E 115	Professional Image Building	1
Bus E 119 or Bus E 119.1-119.7	MOS Core and Expert Certification Preparation or Prep Tests: Microsoft Access, Excel, PowerPoint or Word	1-7
Bus E 132	Business Communication Applications	5
Bus E 163	Advanced Excel	5
Bus E 170.1 or Bus E 170.2 or Bus E 170.3	Beginning Keyboarding-Alphabet Keys or Keyboarding-Mastering 10-Key and Symbols or Keyboarding-Speed and Accuracy-Skill Building	1
Bus E 171.1 or Bus E 171.2 or	PowerPoint: Preparing a Presentation or PowerPoint: Design with Graphics and Multimedia or	
Bus E 171.3	PowerPoint: Customize and Incorporate Web Features	1
Bus E 173.1 or Bus E 173.2 or Bus E 173.3 or Bus E 173.4 or Bus E 173.5	Word: Create, Edit and Format Documents or Word: Tables and Sharing Documents or Word: Mail Merges and Other Productivity Tools or Word: Create a Newsletter or Word: Creating Forms, Macros and Document Security	1
Bus E 174.1 or Bus E 174.2 or	Excel: Introduction to Formulas and Functions or Excel: Charts and Working with Large Worksheets or	
Bus E 174.3 or Bus E 174.4 or Bus E 174.5	Excel as a Database or Excel: Data Consolidation and What-If Analysis or Excel: Collaboration, the Web and Macros	1

Bus E 175	Instructor Assistant	1-5
Bus E 176.1 or	Access: Create and Modify a Database or	
Bus E 176.2 or	Access: Use Queries to Produce Information or	
Bus E 176.3 or	Access: Create and Modify Forms or	
Bus E 176.4	Access: Create and Modify Reports	1
† Bus E 177-179 and	Business Education Work Experience 1-3 and	2-10
Coop 171	Work Experience Seminar	1
Bus E 217	Computer Support Internship 2	5
Bus E 219	Basic Networking Concepts	5
Bus E 255	Advanced Word	5
Psyc& 100	General Psychology	5
Soc& 101	Introduction to Sociology	5

Satisfies related instruction requirements.

* Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.

† Students may earn up to 10 credits through Cooperative Education classes.

◦ Qualifies as AAA activity credit.

Business Applications Specialist Certificate 75-80 Credits

This certificate program provides students an opportunity to develop essential business skills. Earning a Business Applications Specialist certificate provides students with educational background and skills to help secure employment as an office worker in an entry-level position. These credits can be applied to any Business Education degree program. Students in this program must complete all required classes with a grade of 2.0 or higher.

Contact: Tonya McCabe, ext. 4783 Lea Ann Simpson, ext. 4393
 tmcabec@greenriver.edu lsimpson@greenriver.edu

Dept./No.	Course Title	Credits
Bus E 100	Fundamentals of Computers	5
* Bus E 102	Intermediate Keyboarding	5
# Bus E 110	Business Math Applications	5
Bus E 112	Beginning Word	5
#* Bus E 130	Business Correspondence	5
Bus E 132	Business Communication Applications	5
Bus E 140	Records Management	5
Bus E 150	Introduction to Windows	5
Bus E 162	Introduction to Excel	5
Bus E 184	Internet and Basic Web Design	5
Bus E 185	Introduction to Microsoft Access	5
Bus E 218	Basic Office PC Support	5
# Bus E 250	Office Administration	5
Bus E 266	Inside Microsoft Office	5
# Cmst 100 or	Fundamentals of Oral Communication or	
Cmst& 210 or	Interpersonal Communication or	
Cmst& 220 or	Public Speaking or	
Cmst& 230	Small Group Communication	5
Reading	Eligible for Read 104 (as determined by the appropriate COMPASS test score) or completion of Read 094	0-5

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

Acct 110 or	Practical Financial Accounting 1 or	
Acct& 201 or	Principles of Accounting I or	
Bus E 090	Office Accounting	5
Acct 112	QuickBooks for Accounting	5
Art 109	Beginning Design	5
Bus& 101 or	Introduction to Business or	
Bus 164	Entrepreneurship and Small Business Management	5

Bus 166	Human Relations and Work Readiness	5
Bus E 101	Beginning Typing/Keyboarding	5
Bus E 103	Advanced Keyboarding	5
Bus E 107 and/or	Typing Speed and Accuracy 1 and/or	
Bus E 108	Typing Speed and Accuracy 2	4-8
◦ Bus E 111	Personal Computing	3
◦ Bus E 115	Professional Image Building	1
Bus E 119 or	MOS Core and Expert Certification Preparation or	
Bus E 119.1-119.7	Prep Tests: Microsoft Access, Excel, PowerPoint, or Word	1-7
Bus E 132	Business Communication Applications	5
Bus E 163	Advanced Excel	5
Bus E 170.1 or	Beginning Keyboarding-Alphabet Keys or	
Bus E 170.2 or	Keyboarding-Mastering 10-Key and Symbols or	
Bus E 170.3	Keyboarding-Speed and Accuracy-Skill Building	1
Bus E 171.1 or	PowerPoint: Preparing a Presentation or	
Bus E 171.2 or	PowerPoint: Design with Graphics and Multimedia or	
Bus E 171.3	PowerPoint: Customize and Incorporate Web Features	1
Bus E 173.1 or	Word: Create, Edit and Format Documents or	
Bus E 173.2 or	Word: Tables and Sharing Documents or	
Bus E 173.3 or	Word: Mail Merge and Other Productivity Tools or	
Bus E 173.4 or	Word: Create a Newsletter or	
Bus E 173.5	Word: Creating Forms, Macros and Document Security	1
Bus E 174.1 or	Excel: Introduction to Formulas and Functions or	
Bus E 174.2 or	Excel: Charts and Working with Large Worksheets or	
Bus E 174.3 or	Excel as a Database or	
Bus E 174.4 or	Excel: Data Consolidation and What-If Analysis or	
Bus E 174.5	Excel: Collaboration, the Web and Macros	1
Bus E 175	Instructor Assistant	1-5
Bus E 176.1 or	Access: Create and Modify a Database or	
Bus E 176.2 or	Access: Use Queries to Produce Information or	
Bus E 176.3 or	Access: Create and Modify Forms or	
Bus E 176.4	Access: Create and Modify Reports	1
† Bus E 177 and	Business Education Work Experience 1 and	3-5
Coop 171	Work Experience Seminar	1
Bus E 214	Introduction to Information in Security	5
Bus E 216	Computer Support Internship 1	5
Bus E 217	Computer Support Internship 2	5
Bus E 219	Basic Networking Concepts	5
Bus E 255	Advanced Word	5

Satisfies related instruction requirements.

* Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.

† Students may earn up to 10 credits through Cooperative Education classes.

◦ Qualifies as AAA activity credit.

Note: Students may choose the advanced computer applications course as an alternative to the introductory application course requirement such as Bus E 255 in place of Bus E 112.

Business Applications for Small Business Certificate of Proficiency 40 Credits

This certificate program provides students an opportunity to develop essential business skills. Earning this certificate provides the student educational background and skills to be involved in a small business focusing on current business applications. Students in this program must complete all required classes with a grade of 2.0 or higher.

Contact: Tonya McCabe, ext. 4783 Lea Ann Simpson, ext. 4393
 tmccabe@greenriver.edu lsimpson@greenriver.edu

Dept./No.	Course Title	Credits
Required Classes:		
Acct 110	Practical Financial Accounting 1	5
Bus 164	Entrepreneurship and Small Business Management	5
† Bus E 101	Beginning Typing/Keyboarding	0-5
Bus E 130	Business Correspondence	5
Bus E 162	Introduction to Excel	5
Bus E 266	Inside Microsoft Office	5
Bus E 132	Business Communication Applications	5
Bus E 214	Introduction to Information Security	5
Electives: Select one from the following courses to total 40 credits:		
Acct 111	Practical Financial Accounting 2	5
Acct 112	QuickBooks for Accounting	5
Bus E 110	Business Math Applications	5
Bus E 112	Beginning Word	5
Bus E 140	Records Management	5
Bus E 150	Introduction to Windows	5
Bus E 163	Advanced Excel	5
Bus E 184	Internet and Basic Web Design	5
Bus E 185	Introduction to Microsoft Access	5
Bus E 214	Introduction to Information Security	5
Bus E 216	Computer Support Internship 1	5

† Bus E 101 Beginning Typing/Keyboarding may be waived by passing a 5-minute typing test at 35 wpm with five or less errors using the proper touch typing techniques. Elective credits may be used to meet the minimum degree credit requirements.

**Business Applications –
 Distance Education Preparation
 Certificate of Proficiency
 15 Credits**

Note: This certificate does not qualify for federal financial or veteran’s funding.

Contact: Tonya McCabe, ext. 4783 Lea Ann Simpson, ext. 4393
 tmccabe@greenriver.edu lsimpson@greenriver.edu

Dept./No.	Course Title	Credits
Bus E 100	Fundamentals of Computers	5
Bus E 118	Basics for Online Education	5
Bus E 184	Internet and Basic Web Design	5

**Business Management
 Associate in Applied Arts Degree
 93-98 Credits**

This degree program prepares students to be successful in a wide range of business careers. The focus is on providing a broad set of business skills that help students perform better in the workplace and increase their advancement opportunities. Career paths in business management include marketing, sales, general management, project management, small business, and more.

Business Management courses emphasize practical application of skills important for personal and professional development. Our students range from those with no business experience to those with more than two decades in the workforce.

Contact: Jeff Perlot, ext. 4865
 jperlot@greenriver.edu

Dept./No.	Course Title	Credits
* Keyboarding	30 wpm (test administered by the Business Education Dept.)	
Reading	Eligible for Read 104 or completion of Read 094	0-5
Acct 110 or Acct& 201	Practical Financial Accounting 1 or Principles of Accounting I	5
# B A 145 or Math& 107 or Math 147	Business Computation or Math in Society or Finite Math for Business and Social Science	5
Bus& 101 or Bus 164	Introduction to Business or Entrepreneurship and Small Business Management	5
Bus 103	Business Leadership	5
Bus 121	Marketing Fundamentals	5
Bus 159	Professional Selling	5
# Bus 166	Human Relations and Work Readiness	5
Bus 173	Basic Financial Management	5
Bus 175	Career Management Seminar	1
Bus 177	Supervised Work Experience 1	2
Bus 181	Introduction to International Business	5
Bus 202	Project Management and E-Business	5
Bus 257	Customer Service Strategies	5
Bus 258	Principles of Management and Supervision	5
Bus E 100	Fundamentals of Computers	5
# Bus E 130 or Engl& 101	Business Correspondence or English Composition 1	5
Bus E 162	Introduction to Excel	5
# Cmst& 210 or Cmst& 220	Interpersonal Communication or Public Speaking	5

Students must choose 10 credits from the following electives. Students wishing to obtain an additional specialized certificate should seek advising assistance.

Bus& 201 or Pols& 200	Business Law or Introduction to Law	5
Bus E	Any Business Education classes	5
Econ 100 or Econ& 202	Economic Principles and Applications or Macroeconomics	5

Satisfies related instruction requirements.

* Keyboarding/typing skills may be demonstrated by passing a 3-minute typing test at 30 wpm with five or less errors using the proper typing techniques administered by the Business Education Department.

**Business Management –
 Business Foundations
 Certificate
 45 Credits**

Contact: Jeff Perlot, ext. 4685
 jperlot@greenriver.edu

Dept./No.	Course Title	Credits
Acct 110 or Acct& 201	Practical Financial Accounting 1 or Principles of Accounting 1	5
# B A 145 or Math& 107 or Math 147	Business Computation or Math in Society or Finite Math in Business and Social Science	5
Bus& 101 or Bus 164	Introduction to Business or Entrepreneurship and Small Business Management	5
# Bus 166	Human Relations and Work Readiness	5
Bus 173	Basic Financial Management	5
Bus E 100	Fundamentals of Computers	5
# Bus E 130 or Engl& 101	Business Correspondence or English Composition 1	5
Bus E 162	Introduction to Excel	5
# Cmst& 210 or Cmst& 220	Interpersonal Communication or Public Speaking	5

Satisfies related instruction requirement

**Business Management –
International Business**
Certificate of Proficiency
30 Credits

Note: This certificate does not qualify for federal financial aid or veteran's funding.

Contact: Jeff Perlot, ext. 4685
jperlot@greenriver.edu

Dept./No.	Course Title	Credits
Bus& 101 or Bus 164	Introduction to Business or Entrepreneurship and Small Business Management	5
Bus 121	Marketing Fundamentals	5
Bus 181	Introduction to International Business	5
Bus 184	International Business Strategies	5
Bus& 201 or Pols& 200	Business Law or Introduction to Law	5
Econ& 202 or Geog 205	Macroeconomics or Environmental Geography	5

**Business Management –
Management and Supervision**
Certificate of Proficiency
25 Credits

This certificate program is for anyone interested in being a more effective manager. This certificate can be completed in as little as two quarters and provides immediate applicable skills for a business professional or entrepreneur. All courses apply towards the Business Management Associate in Applied Arts degree.

Contact: Jeff Perlot, ext. 4865
jperlot@greenriver.edu

Dept./No.	Course Title	Credits
Bus 103	Business Leadership	5
Bus 166	Human Relations and Work Readiness	5
Bus 181	Introduction to International Business	5
Bus 202	Project Management and E-Business	5
Bus 258	Principles of Management and Supervision	5

**Business Management –
Marketing and Sales**
Certificate of Proficiency
20 Credits

This certificate program teaches the fundamental skills required for success in marketing and sales. This certificate can be completed as little as one to two quarters and provides immediately applicable skills for a business professional or entrepreneur. All courses apply towards the Business Management Associate in Applied Arts degree.

Dept./No.	Course Title	Credits
Bus 121	Marketing Fundamentals	5
Bus 159	Professional Selling	5
Bus 202	Project Management and E-Business	5
Bus 257	Customer Service Strategies	5

**Business Management –
Retail Management**
Certificate
50 Credits

This certificate program prepares individuals to manage a variety of retail sales operations or lines of merchandise. The program serves both entry-level job candidates and current employees. After successful completion of the required coursework, students receive a certificate, which may also show the WAFC (Washington Association of Food Chains) endorsement.

Dept./No.	Course Title	Credits
# B A 145 or Math& 107 or Math 147	Business Computation or Math in Society or Finite Math for Business and Social Science	5
Acct 110 or Acct& 201	Practical Financial Accounting 1 or Principles of Accounting I	5
Bus 103	Business Leadership	5
Bus 121	Marketing Fundamentals	5
# Bus 166	Human Relations and Work Readiness	5
Bus 257	Customer Service Strategies	5
Bus 258	Principles of Management and Supervision	5
Bus E 100	Fundamentals of Computers	5
# Bus E 130 or Engl& 101	Business Correspondence or English Composition 1	5
# Cmst& 210 or Cmst& 220	Interpersonal Communication or Public Speaking	5

Satisfies related instruction requirement

**Fundamentals of Caregiving:
Introduction to Health Occupations**
Certificate of Proficiency
12 Credits

Students learn the essential skills necessary for becoming an entry level health care and human services provider which include basic workplace skills and ethics, responsibilities of a care provider, communication skills, patient rights and confidentiality. Students are also instructed in general patient and workplace safety rules. Students earn CPR and Basic First Aid certificates, HIV/AIDS certificate and Fundamentals of Caregiving certificate with completion of the course. Students are provided mock hands-on, supervised experience in patient/client related tasks. Seminar portion teaches students the essentials of resume writing and job interviewing.

Note: This certificate does not qualify for federal financial aid or veteran's funding.

Contact: Leslie Kessler, ext. 4555
lkessler@greenriver.edu

Dept./No.	Course Title	Credits
Fall Quarter: H Hsc 110	Fundamentals of Caregiving: Introduction to Health Occupations	12

**Carpentry Technology –
Residential and Light Commercial**
Associate in Applied Science Degree
91-96 Credits

This degree program prepares individuals to become successfully employed in the field of construction. Students can also apply these skills to a variety of jobs within the residential construction field. Students can choose to earn a variety of certificates related to residential carpentry, or can earn an AAS in Residential and Light Commercial Carpentry. After completion of the certificates or the degree, students can readily find employment as

a carpenter helper for either general or specialty contractors. Generally after a period of time, most students find themselves in jobs such as: lead carpenters, general contractors, specialty contractors, supervisors, vendor representatives, designers, retail sales specialists, building inspectors, or in other construction-related employment such as construction management positions.

Note: Students whose primary language is not English must have successfully completed ESOL Level 3 prior to enrolling in the Carpentry Technology Program

Additional Note: Students are required to show proof of medical insurance for all Carpentry classes with the exception of Carpentry 144 and 148.

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

Dept./No.	Course Title	Credits
* Carp 101.1	Residential and Light Commercial Carpentry 1	13
Carp 101.2	Carpentry Seminar 1	3
* Carp 102.1	Residential and Light Commercial Carpentry 2	13
Carp 102.2	Carpentry Seminar 2	3
* Carp 103.1	Residential and Light Commercial Carpentry 3	13
Carp 103.2	Carpentry Seminar 3	3
Carp 144	Residential Blueprint Reading	3
Carp 145	Stair Design and Construction	4
Carp 146	Basic Cabinet Construction	4
Carp 147	Residential Remodeling Practices	6
Carp 148	Material Estimating	4
Carp 149	Rafter Cutting and Assembly	4
Carp 151	International Residential Code	3

Related Instruction Requirements:

# Human Relations	5 credits of Human Relations listed in the Related Instruction Requirements on page 56	5
# Oral Communication	5 credits of Oral Communications listed in the Related Instruction Requirements on page 56	5
# Written Communication	5 credits of Written Communications listed in the Related Instruction Requirements on page 56	5
# Computation	Acomp 100T, Computation for the Trades or Completion of Math 062 or Eligible for Math 070	0-5

* One credit of Leadership embedded within this course.

Bold face course offered days only. Other courses offered nights only.

Satisfies related instruction requirements.

Note: Most Related Instruction courses have prerequisites. Please work with Carpentry advisor to select courses that meet program requirements and scheduling constraints.

**Carpentry Technology –
Residential and Light Commercial
Certificate of Proficiency
42 Credits**

This certificate program prepares students with carpentry skills and knowledge related to the entire spectrum of residential as well as parts of light commercial construction. Completion can lead to employment with either general or specialty contractors whose focus is on residential or light commercial building. Students develop a wide range of skills and knowledge in the carpentry trade ranging from foundations to interior trim.

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

Dept./No.	Course Title	Credits
Carp 101.1	Residential and Light Commercial Carpentry 1	13
Carp 101.2	Carpentry Seminar 1	3
Carp 102.1	Residential and Light Commercial Carpentry 2	13
Carp 103.1	Residential and Light Commercial Carpentry 3	13

**Carpentry Technology –
Residential Concrete Forming and Placement
Certificate of Proficiency
16 Credits**

This certificate program offers students the basic skills and knowledge to find employment with specialty or general contractors whose focus is residential foundations or concrete flatwork (driveways, sidewalks, etc.). Primarily, the focus is on locating and forming residential foundations that are square, level, plumb, and per specifications. In addition, students learn portable power tool usage related to foundation work, as well as how to calculate, order, and place concrete.

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

Dept./No.	Course Title	Credits
Carp 101.1	Residential and Light Commercial Carpentry 1	13
Carp 101.2	Carpentry Seminar 1	3

**Carpentry Technology –
Residential Exterior Finish Level 1
Certificate of Proficiency
9 Credits**

This certificate program offers students the basic skills and knowledge required to find employment with specialty or general contractors whose focus is exterior finish. Students develop skills in applying various types of roof covering and materials, various types of siding and related trim pieces, and basic deck construction. In addition, students learn portable power tool usage designed specifically for exterior trim, as well as exterior material knowledge and specifications.

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

Dept./No.	Course Title	Credits
Carp 103.1	Residential and Light Commercial Carpentry 3	9

**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 develop basic skills in drywall installation and finishing, installing interior doors, installing running and standing trim, installing various interior accessories, and basic cabinet installation. In addition, students learn portable power tool usage designed specifically for interior trim, interior material knowledge, and specifications.

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

Dept./No.	Course Title	Credits
Carp 103.1	Residential and Light Commercial Carpentry 3	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 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.

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

Dept./No.	Course Title	Credits
Carp 103.1	Residential and Light Commercial Carpentry 3	13
Carp 103.2	Carpentry Seminar 3	3
Carp 146	Basic Cabinet Construction	4
Carp 147	Residential Remodeling Practices	6

**Carpentry Technology –
Residential Light and Commercial Framing 1**
Certificate of Proficiency
16 Credits

This certificate prepares students with the basic skills and knowledge required to find employment with specialty or general contractors whose focus is residential and/or light commercial framing, i.e., floors, walls, truss roofs, light gauge metal, etc. Students develop basic skills in blueprint reading, layout skills, assembly and erection of floors, walls and truss roof systems, WISHA/OSHA safety regulations, and code requirements relating to framing. In addition, students learn portable power tool usage designed specifically to frame structures, framing material knowledge, and specifications.

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

Dept./No.	Course Title	Credits
* Carp 102.1	Residential and Light Commercial Carpentry 2	13
* Carp 102.2	Carpentry Seminar 2	3

* Must complete sections I and II in student manual.

**Carpentry Technology –
Residential Light and Commercial Framing 2**
Certificate of Proficiency
24 Credits

This certificate program prepares students with the additional skills and knowledge required for advancement with specialty or general contractors whose focus is residential and/or light commercial framing. Students develop skills in two areas specific to framing stair design and construction (straight run stairs, ¼ and ½ turn stairs, and basic circular stairs), as well as knowledge of all the UBC requirements that govern stairs, and calculating, cutting, and assembly of “stick framed” roof systems, (ceiling joist and common, hip, valley, and jack rafters).

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

Dept./No.	Course Title	Credits
* Carp 102.1	Residential and Light Commercial Carpentry 2	13
* Carp 102.2	Carpentry Seminar 2	3
Carp 145	Stair Design and Construction	4
Carp 149	Roof Cutting and Assembly	4

* Must complete sections I and II in student manual.

**Computer Reporting Technologies –
Captioning - Sequence A (Day)**
Associate in Applied Arts Degree
144-209 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.

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. A spelling test score of 90 percent accuracy or higher or Engl 090 is required prior to entry into the Computer Reporting Technologies Program.

Upon completion of the required classes, students qualify for the Associate in Applied Arts degree in Captioning. They must have completed 40 hours of internship of which 25 hours is actual writing time and 15 hours is research and dictionary preparation; passed three 15-minute literary broadcast material tests at 180 wpm at 96 percent accuracy or higher; and passed three 5-minute tests on Q&A (two-voice) at 225 wpm with 95 percent accuracy or higher.

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

Contact: 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 109	Legal Terminology	3
# Bus E 130 or	Business Correspondence or	
Engl& 101 or	English Composition 1 or	
Engl 109	Writing for Trades and Professional/ Technical Degrees	5
# Cmst 100 or	Fundamentals of Oral Communication or	
Cmst& 220	Public Speaking	5
Crpt 100.1	Machine Shorthand Theory 1	10
Crpt 100.2	Machine Shorthand Theory 2	10
Crpt 101.1	Machine Shorthand Theory 3	10
Crpt 101.2	Machine Shorthand – 60 wpm	10
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	Captioning Internship 1	4
Crpt 253	Captioning Internship 2	4
Crpt 254	Captioning Internship 3	4

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:

Acct 110	Practical Financial Accounting 1	5
Bus 103	Business Leadership	5
Bus& 201 or	Business Law or	
Pols& 200	Introduction to Law	5
Bus E 100	Fundamentals of Computers	5
Bus E 107 or	Typing Speed and Accuracy 1 or	5
Bus E 108 or	Typing Speed and Accuracy 2 or	
* Typing test	60 wpm with fewer than 5 errors	0-4
Bus E 184	Internet and Basic Web Design	5
Bus E 266	Inside Microsoft Office	5
Crpt 255	Computer-Aided Transcription-Advanced	3
Edec 221	Sign Language 2	2
Engl 106	Vocabulary Mastery	5
Lib 101	Searching Electronic Databases	2

Additional Suggested Electives: Electives might not be eligible for financial aid or veteran's benefits.

(See your financial aid advisor.)

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 five or less errors using the proper typing techniques administered by the Business Education Department.

**Computer Reporting Technologies –
Captioning - Sequence B (Evening)
Associate in Applied Arts Degree
98-135 Credits**

Contact: 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 109	Legal Terminology	3
Bus E 110 or	Business Math Applications or	
Math 072	Eligible for Math 072	0-5
# Bus E 130 or	Business Correspondence or	
Engl& 101 or	English Composition 1 or	
Engl 109	Writing for Trades and Professional/ Technical Degrees	5
# Cmst 100 or	Fundamentals of Oral Communication or	
Cmst& 220	Public Speaking	5
Crpt 080	Machine Shorthand Lab	0-6
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
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 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	Captioning Internship 1	4
Crpt 253	Captioning Internship 2	4
Crpt 254	Captioning Internship 3	4
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:

Acct 110	Practical Financial Accounting 1	5
Bus 103	Business Leadership	5
Bus& 201 or	Business Law or	
Pols& 200	Introduction to Law	5
Bus E 100	Fundamentals of Computers	5
Bus E 107 or	Typing Speed and Accuracy 1 or	
Bus E 108 or	Typing Speed and Accuracy 2 or	
* Typing test	60 wpm with fewer than 5 errors	0-4
Bus E 184	Internet and Basic Web Design	5
Bus E 266	Inside Microsoft Office	5
Crpt 255	Computer-Aided Transcription – Advanced	3
Edec 221	Sign Language 2	2
Engl 106	Vocabulary Mastery	5
Lib 101	Searching Electronic Databases	2

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

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 five or less errors using the proper typing techniques administered by the Business Education Department.

**Computer Reporting Technologies –
Court Reporting - Sequence A (Day)
Associate in Applied Science Degree
148-217 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. A COMPASS spelling test score of 90 percent accuracy or higher or Engl 090 is required prior to entry into the Computer Reporting Technologies Program.

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 percent accuracy or higher on literary at 180 wpm and jury charge at 200 wpm; and passed three 5-minute tests on Q&A (two-voice) at 225 wpm with 95 percent accuracy or higher.

In addition to the course work, there are state and 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.

Contact: 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
# Bus E 130 or	Business Correspondence or	
Engl& 101 or	English Composition 1 or	5
Engl 109	Writing for Trades and Professional/Technical Degrees	

Bus E 109	Legal Terminology	3
# Cmst 100 or Cmst& 220	Fundamentals of Oral Communication or Public Speaking	5
Crpt 100.1	Machine Shorthand Theory 1	10
Crpt 100.2	Machine Shorthand Theory 2	10
Crpt 101.1	Machine Shorthand Theory 3	10
Crpt 101.2	Machine Shorthand – 60 wpm	10
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 1-3 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 and Usage	5
Engl 108	Medical Terminology	2

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

Acct 110	Practical Financial Accounting 1	5
Bus& 201	Business Law	5
Bus E 100	Fundamentals of Computers	5
Bus E 107 or Bus E 108 or	Typing Speed and Accuracy 1 or Typing Speed and Accuracy 2 or	
* Typing Test	60 wpm with fewer than 5 errors	0-4
Bus E 184	Internet and Basic Web Design	5
Bus E 266	Inside Microsoft Office	5
Crpt 255	Computer-Aided Transcription Advanced	3
Engl 106	Vocabulary Mastery	5

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

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
CJ& 101	Introduction to Criminal Justice	5
CJ& 240	Introduction to Forensic Science	5

Satisfies related instruction requirement.

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

Computer Reporting Technologies – Court Reporting - Sequence B (Evening)

Associate in Applied Science Degree
103-143 Credits

Contact: 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 Bus E 110 or Math	Business Computation or Business Math Applications or Eligible for Math 072	0-5
Bus E 109	Legal Terminology	3
# Bus E 130 or Engl& 101 or Engl 109	Business Correspondence or English Composition 1 or Writing for Trades and Professional/Technical Degrees	5

# Cmst 100 or Cmst& 220	Fundamentals of Oral Communication or Public Speaking	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
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 1-3 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 105	Grammar and Usage	5
Engl 108	Medical Terminology	2

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

Acct 110	Practical Financial Accounting 1	5
Bus& 201	Business Law	5
Bus E 100	Fundamentals of Computers	5
Bus E 107 or Bus E 108 or	Typing Speed and Accuracy 1 or Typing Speed and Accuracy 2 or	
* Typing Test	60 wpm with fewer than 5 errors	0-4
Bus E 184	Internet and Basic Web Design	5
Bus E 266	Inside Microsoft Office	5
Crpt 255	Computer-Aided Transcription Advanced	3
Engl 106	Vocabulary Mastery	5

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

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
CJ& 101	Introduction to Criminal Justice	5
CJ& 240	Introduction to Forensic Science	5

Satisfies related instruction requirement.

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

Computer Reporting Technologies – 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 health care will be highly sought after in the next century.

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

Dept./No.	Course Title	Credits
AP 100 or AP 103	Survey of Human Anatomy-Physiology or Essentials of Human Anatomy-Physiology 1	5
Bus E 123	Advanced Medical Machine Transcription	5
Crpt 177 and Coop 171	Court Reporting/Captioning Work Experience 1-3 and Work Experience Seminar	2
Bus E 130 or Engl& 101	Business Correspondence or English Composition I	5
Crpt 136 or Crpt 098	Machine Shorthand – 160 wpm or Machine Shorthand – 160 wpm	6-16
Crpt 250	Computer-Aided Transcription	3
Crpt 251	Introduction to Captioning/Alternative Careers	3
Engl 108	Medical Terminology	2

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

Acct 110	Practical Financial Accounting 1	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	ICD Medical Coding	5
Bus E 184	Internet and Basic Web Design	5
Bus E 255	Advanced Word	5
Bus E 266	Inside Microsoft Office	5
Crpt 255	Computer-Aided Transcription Advanced	3
Engl 105	Grammar and Usage	5

Computer Reporting Technologies – Scripist/Text Editor Certificate of Proficiency 44 Credits

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

Dept./No.	Course Title	Credits
Crpt 100.1 and Crpt 100.2 or Crpt 090 and Crpt 091	Machine Shorthand Theory 1 and Machine Shorthand Theory 2 or Machine Shorthand Theory and Machine Shorthand Theory-Advanced	8-20
Crpt 101.1 and Crpt 092	Machine Shorthand Theory 3 and Machine Shorthand – 40 wpm	4-10
Crpt 153	Court Reporting Procedures 1	5
Crpt 250	Computer-Aided Transcription	3
Crpt 255	Computer-Aided Transcription Advanced	3
Engl 108	Medical Terminology	2

Electives: Students must choose from the following courses to total 44 credits:

Acct 110	Practical Financial Accounting 1	5
Bus E 109	Legal Terminology	3
Bus E 110	Business Math Applications	5
Bus E 112	Beginning Word	5
Bus E 130	Business Correspondence	5
Bus E 140	Records Management	5
Bus E 184	Internet and Basic Web Design	5
Bus E 255	Advanced Word	5
Bus E 266	Inside Microsoft Office	5
Crpt 177 and Coop 171	Court Reporting/Captioning Work Experience 1-3 and Work Experience Seminar	1-2 1

Computer Reporting Technologies – Text Entry Certificate of Proficiency 42 Credits

Contact: 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& 101	Business Correspondence or English Composition 1	5
Crpt 136 or Crpt 098	Machine Shorthand 160 wpm or Machine Shorthand 160 wpm	6-16
Crpt 250	Computer-Aided Transcription	3
Crpt 251	Introduction to Captioning/Alternative Careers	3
Crpt 177 and Coop 171	Court Reporting/Captioning Work Experience 1-3 and Work Experience Seminar	1-2 1

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

Acct 110	Practical Financial Accounting 1	5
Bus E 100	Fundamentals of Computers	5
Bus E 110	Business Math Applications	5
Bus E 112	Beginning Word	5
Bus E 140	Records Management	5
Bus E 145	ICD Medical Coding	5
Bus E 184	Internet and Basic Web Design	5
Bus E 255	Advanced Word	5
Bus E 266	Inside Microsoft Office	5
Crpt 255	Computer-Aided Transcription-Advanced	3
Engl 105	Grammar and Usage	5
Engl 106	Vocabulary Mastery	5
Engl 108	Medical Terminology	2

Computerized Machining and 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 is prepared for entry into the manufacturing industry as a conventional or Computer Numerical Control (CNC) 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
ttaglien@greenriver.edu

Dept./No.	Course Title	Credits
# Acomp 100T or Math 072 or	Computations for the Trades or Elementary Algebra or Eligible for Math 097, Intermediate Algebra	0-5
# Cmst 100 or Cmst& 210 or Cmst& 220 or Cmst& 230	Fundamentals of Oral Communication or Interpersonal Communication or Public Speaking or Small Group Communication	5
# Engl&101 or Engl 109	English Composition I or Writing for Trades and Professional/Technical Degrees	5

# Human Relations	Any course that satisfies the Human Relations Related Instruction Requirements on page 56	5
Indus 102.1	Welding Survey 1	3
Mfg 111	Measuring Systems and Quality Assurance Level 1	3
Mfg 112	Shop Safety and Production Procedures Level 1	2
Mfg 113	Cutting Tools and Workholding Level 1	2
Mfg 114	Manufacturing Planning and Processes Level 1	1
Mfg 115	Reading Engineering Drawings Level 1	3
Mfg 116	Manufacturing Careers and 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 and Quality Assurance Level 2	3
Mfg 122	Shop Safety and Production Procedures Level 2	2
Mfg 123	Cutting Tools and Workholding Level 2	2
Mfg 124	Manufacturing Planning and Processes Level 2	1
Mfg 125	Reading Engineering Drawings Level 2	3
Mfg 126	Manufacturing Careers and 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 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 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 1 and Work Experience Seminar	7-12 1

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

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

Satisfies related instruction requirements.

Computerized Machining and Manufacturing Technology Certificate of Proficiency 39-44 Credits

This is a one-year (three quarter) program 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.

Upon completion of this certificate, students are 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
ttaglien@greenriver.edu

Dept./No.	Course Title	Credits
Acomp 100T or Math 072 or	Computations for the Trades or Elementary Algebra or Eligible of Math 097, Elementary Algebra	0-5
Mfg 111	Measuring Systems and Quality Assurance Level 1	3
Mfg 112	Shop Safety and Production Procedures Level 1	2
Mfg 113	Cutting Tools and Workholding Level 1	2
Mfg 114	Manufacturing Planning and Processes Level 1	1
Mfg 115	Reading Engineering Drawings Level 1	3
Mfg 116	Manufacturing Careers and 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 and Quality Assurance Level 2	3
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 Level 1	2
Mfg 151	CNC Systems 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 162	Applied Materials for Manufacturing	2
Mfg 164	Shop Math	2

Criminal Justice Associate in Applied Science Degree 112-113 Credits

This degree program is a broad discipline, encompassing the scientific study of crime, criminals, the criminal justice system, treatment of offenders, and theories of crime causation. It is interdisciplinary in nature, drawing from such fields as psychology, political science, sociology, economics, biology and law. Students are encouraged to participate in the Criminal Justice Advisory Committee and the criminal justice club called "Future Criminal Justice Professionals." Those interested in transferring to a university should consider this degree because it also satisfies the requirements of the Associate in Arts degree. Students should contact a criminal justice advisor in order to create a customized program of study.

Many criminal justice students continue their academic careers; some others seek employment with a variety of criminal justice agencies; other students are returning law enforcement officers updating their skills and education.

Contact: Ron Riley, ext. 4859
rriley@greenriver.edu

Dept./No.	Course Title	Credits
Anth& 206 or Anth& 236	Cultural Anthropology or Forensic Anthropology	5
# Cmst& 210	Interpersonal Communication	5
# Cmst& 230	Small Group Communication	5
# Engl& 101	English Composition I	5
Engl 126 or Engl 127 or Engl 128	Writing: Humanities or Writing: Social Sciences or Research Writing: Science/Engineering/Business	5
# Math& 107 or Math 100 or higher	Math in Society or any college level Math class	5
Natural Science	Select any three courses from at least two separate areas. 10 credits must be from List A, including a minimum of 5 credits from lab sciences. The additional 5 credits can be from List A or List B	15

P E 101 or	Physical Fitness Lab or	(2)	
P E 102 or	Jogging or	(2)	
P E 103 or	Total Physical Fitness or	(3)	
P E 111 or	Aerobic Walking or	(2)	
P E 131 or	Weight Training or	(2)	
* P E 149 or	CORE Training for Health or	(2)	
P E 160 or	Exercise and Nutrition or	(3)	
P E 165	Exercise and Health	(3)	2-3
P E 113	Group Dynamics Activities		1
Phil 160 or	Introduction to the Philosophy of Science or		
Phil 115	Reasoning in Everyday Life		5
Photo 101	Beginning Black and White Photography		5
Photo 111	Beginning Digital Photography		5
Psyc& 100	General Psychology		5
Soc& 101	Introduction to Sociology		5

Required Core Classes:

CJ& 101	Introduction to Criminal Justice	5
CJ 200	Individual Rights in Criminal Justice	5
CJ 205	Criminal Evidence	5
CJ 220	Multicultural Diversity in Criminal Justice	5
Soc 215	Survey of Criminology	5

Electives: Select from the following courses to total 112-113 credits.

Anth& 236	Forensic Anthropology	5
Bus E 100	Fundamentals of Computers	5
Bus E 140	Records Management	5
Bus E 250	Office Administration	5
CJ& 105	Introduction to Corrections	5
CJ& 110	Criminal Law	5
CJ 115	Fingerprint Science	5
CJ 177-179 and	Criminal Justice Work Experience 1-3 and	5
Coop 171	Work Experience Seminar	1
CJ 236	Community Oriented Policing	5
CJ& 240	Introduction to Forensic Science	5
CJ 294	Special Topics: Criminal Justice	5
CJ 299	Independent Study-Criminal Justice	5
Psyc 209	Fundamentals of Psychological Research	5
Soc 245	Juvenile Delinquency	5

Satisfies related instruction requirements.

Note: Students must attain a grade of 2.0 or higher in all CJ classes.

Corrections Certificate of Proficiency 35 Credits

Terrific career opportunities are available to those seeking employment in federal, state and local correctional facilities. The Seattle area is home to the new King County Detention facility, and other federal correctional facilities are still under construction. Great job potential with local correctional agencies exists for Green River students, though job placement is not guaranteed.

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Dept./No.	Course Title	Credits
Bus E 140	Records Management	5
Bus E 250	Office Administration	5
CJ& 101	Introduction to Criminal Justice	5
CJ&105	Introduction to Corrections	5
CJ 200	Individual Rights to Criminal Justice	5
Eng& 101	English Composition I	5
Soc 215	Survey of Criminology	5

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

CJ 177-179 and	Criminal Justice Work Experience 1-3 and	1-5
Coop 171	Work Experience Seminar	1

Note: Students must attain a grade of 2.0 or higher in all CJ classes.

Law Enforcement Certificate of Proficiency 40 Credits

This short-term certificate is designed to be completed in just two quarters and includes an introduction to the criminal justice system and a more focused examination of current trends and practices in policing. Students who earn the certificate are afforded employment opportunities with local law enforcement agencies, though job placement is not guaranteed.

Contact: Ron Riley, ext. 4859
rriley@greenriver.edu

Dept./No.	Course Title	Credits
Bus E 140	Records Management	5
Bus E 250	Office Administration	5
CJ& 101	Introduction to Criminal Justice	5
CJ& 110	Criminal Law	5
CJ 200	Individual Rights in Criminal Justice	5
CJ 220	Multicultural Diversity in Criminal Justice	5
CJ 236	Community oriented Policing	5
Engl& 101	English Composition I	5

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

Bus E 100	Fundamentals of Computers	5
CJ 177-179 and	Criminal Justice Work Experience 1-3 and	1-5
Coop 171	Work Experience Seminar	1

Note: Students must attain a grade of 2.0 or higher in all CJ classes.

Design Technology – Design Drafting Technology Associate in Applied Science Degree 110-111 Credits

This degree program allows students to sample a broad range of drafting careers, including studies in mechanical, architectural, civil, structural, and electrical-electronics drafting. Students develop proficiency in board drafting and computer-aided drafting. Students prepare drawings for manufacturing and fabrication. The ANSI (American National Standards Institute) and the ASME (American Society of Mechanical Engineers) drafting and design standards are taught and reinforced as students prepare drawings in both 2-D and 3-D using AutoCAD, KeyCreator, and Mastercam applications software. Throughout this course of study, students are required to use sketches, notes, technical literature, and personal research to complete assignments. Students may take related credits in the trade areas of building, manufacturing, engineering, welding, and surveying.

Contact: Terry Waagan, ext. 4342 Felix Serna, ext.4321
twaagan@greenriver.edu fserna@greenriver.edu

Dept./No.	Course Title	Credits
Required Courses:		
# Cmst 100 or	Fundamentals of Oral Communication or	
Cmst& 210 or	Interpersonal Communication or	
Cmst& 220	Public Speaking	5
D T 100 or	Introduction to CADD/CAM or	(7)
D T 110 and	Introduction to AutoCAD and	(4)
D T 112	Introduction to KeyCreator	(4)
D T 101 or	Technical Drafting or	(7)
D T 101.1 and	Drafting Fundamentals and	(4)
D T 101.2	Machine Drafting 1	(3)
D T 102 or	Descriptive Geometry or	(7)
D T 102.1 and	Descriptive Geometry and	(4)
D T 102.2	Machine Drafting 2	(3)
D T 105 or	Design Drafting Careers or	
Tech 100	Careers for the New Millennium	2

D T 113 or D T 236	Introduction to SolidWorks or Introduction to Inventor	4
D T 131	Mechanical Drafting-CADD	7
D T 135	3-D CADD/CAM	7
D T 151	Technical Illustration	7
# D T 231	Mechanical Design (CADD)	7
# Engl 109 or Engl 128	Writing for Trades and Professional/Technical Degrees or Research Writing: Science/Engineering/Business	5
# Math 116T or Math& 142 or Math& 151	Technical Math 2 or Precalculus 2 or Calculus I	5
Phys 110 or Phys 201	Introduction to College Physics or Physics/Science/Engineering 1	5
Three credits from the following courses:		3
Carp	Any Carpentry shop/lab course	(1-4)
Indus 102.1	Welding Survey 1	(3)
Mach/Mfg	Any Machining shop/lab course	(1-4)
Mfg 111 and Mfg 114 or Mfg 111 and Mfg 155	Measuring Systems Level 1 and Manufacturing Planning Level 1 or Measuring Systems Level 1 and Advanced Manufacturing Process	(3) (1) (3) (1)
Weld	Any Welding shop/lab course	(1-4)
Four credits from the following courses:		4
Carp 148	Material Estimating	(5)
Engr& 214	Statics	(5)
I E 189	Basic Metallurgy	(4)
I E 204	Statics and Strengths	(5)
Elective Courses: Additionally, complete 28 credits from the following list:		28
Bus 164	Entrepreneurship and Small Business Management	(5) (4)
D T 110	Introduction to AutoCAD	(4)
D T 113	Introduction to SolidWorks	(4)
D T 115	Geometric Dimensioning and Tolerancing	(4) (4)
D T 125	Civil Drafting 1	(5)
D T 141	Architectural Drafting 1	(5)
D T 142	REVIT Architecture 1	(4)
D T 145	Structural Drafting-Steel	(4)
D T 146	Structural Drafting-Concrete	(4)
D T 147	Structural Drafting-Wood	(4)
D T 200	ADDA Certification Preparation	(2)
D T 210	Advanced AutoCAD Development 1	(4)
D T 225	Civil Drafting 2	(4)
D T 232	Drafting and Design Projects (CADD)	(7)
D T 236	Introduction to Inventor	(4)
D T 237	Advanced 3-D CADD/CAM	(4)
D T 238	Intermediate Inventor	(3)
D T 241	Architectural Drafting 2	(4)
GIS 121	Introduction to GIS	(5)
GIS 260	Cartography-Based GIS	(5)
I E 114	CATIA-2-D	(4)
I E 210	CATIA-Modeling	(7)
I E 214	CATIA-Solids	(5)
I E 215	CATIA-3-D Surfacing	(4)
Natrs 181	Forest Navigation and Mapping	(8)
A maximum of eight credits from the following courses:		8
Carp 148	Material Estimating	(4)
Engr 106	Introduction to Engineering Problems	(3)
Engr& 214	Statics	(5)
I E 189	Basic Metallurgy	(4)
I E 204	Statics and Strengths	(5)
A maximum of eight credits from the following courses:		8
Carp	Any Carpentry shop/lab course	(1-8)

Indus	Any Industry shop/lab course	(1-8)
Mfg	Any Manufacturing shop/lab course	(1-8)
Weld	Any Welding shop/lab course	(1-8)
A maximum of 13 credits from the following courses:		13
Coop 171	Work Experience Seminar	(1)
D T 175	Drafting Work Experience	(4-12)
D T 177-179	Drafting Work Experience 1-3	(3 ea)
D T 180-182	Leadership Skills 1-3	(1 ea)
D T 199 or 299	Independent Study-Drafting	(1-5 ea)
D T 277-279	Drafting Work Experience 4-6	(3 ea)
P E 113	Group Dynamic Activities	(1)
Tech 100	Careers for the New Millennium	(2)
A maximum of ten credits from the following courses:		10
Engl 100	Introductory Composition	(5)
Engl& 101	English Composition I	(5)
Math 117T	Technical Math 3	(5)
Math& 141	Precalculus 1	(5)
Math& 151	Calculus I	(5)
Math& 152	Calculus II	(5)
Phys 111	College Physics 2	(5)

Satisfies related instruction requirements.

Note: Courses used to satisfy "Required Courses" requirements may not be used to satisfy "Elective Courses" requirements.

Design Technology – Construction Design Technology Associate in Applied Science Degree 120 Credits

This degree program allows students to be employed by firms connected with the construction and building industry. Using board drafting techniques and computer-aided drafting, students prepare drawings in both 2-D and 3-D. Throughout the program, industry-accepted drafting and design standards are taught and reinforced. Students use sketches, notes, technical literature, and personal research to complete assignments. Students complete related credits in the areas of construction and engineering.

Contact: Terry Waagan, ext. 4342 Felix Serna, ext.4321
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Dept./No.	Course Title	Credits
Required Courses:		
Carp 151 or Carp 152	International Residential Code or International Building Code	3
# Cmst 100 or Cmst& 210 or Cmst& 220	Fundamentals of Oral Communication or Interpersonal Communication or Public Speaking	5
Coop 171	Work Experience Seminar	1
D T 100 or D T 110 and D T 112	Introduction to CADD/CAM or Introduction to AutoCAD and Introduction to KeyCreator	(7) (4) (4)
* D T 101 or D T 101.1 and D T 101.2	Technical Drafting or Drafting Fundamentals and Machine Drafting 1	(7) (4) (3)
* D T 102 or D T 102.1 and D T 102.2	Descriptive Geometry or Descriptive Geometry and Machine Drafting 2	(7) (4) (3)
* D T 105 or Tech 100	Design Drafting Careers or Careers for the New Millennium	2
D T 125	Civil Drafting 1	5
D T 131	Mechanical Drafting-CADD	7
D T 141	Architectural Drafting 1	5
D T 151 or Natrs 181	Technical Illustration or Forest Navigation and Mapping	7-8

D T 225	Civil Drafting 2	4
# D T 231 or	Mechanical Design (CADD) or Three credits of the Human Relations Related Instructions requirement on page 56	3-7
Bus 164	Entrepreneurship and Small Business Management	5
D T 241	Architectural Drafting 2	4
# Engl 109 or	Writing for Trades and Professional/Technical Degrees or	
Engl 128	Research Writing: Science/Engineering/Business	5
GIS 121	Introduction to GIS	5
GIS 260	Cartography-Based GIS	5
I E 204 or	Statics and Strengths or	
Engr& 214	Statics	5
# Math 116T or	Technical Math 2 or	
Math& 142 or	Precalculus 2 or	
Math& 151	Calculus I	5
Phys 110 or	Introduction to College Physics or	
Phys 201	Physics/Science/Engineering 1	5
Completion of a minimum of two (2) classes from the following courses:		
D T 142	REVIT Architecture 1	4
D T 145	Structural Drafting-Steel	4
D T 146	Structural Drafting-Concrete	4
D T 147	Structural Drafting-Wood	4
Electives: Students must choose from the following courses to total 120 credits:		
Carp	Any Carpentry course	(4)
Carp 151	International Residential Code	(3)
Carp 152	International Building Code	(3)
D T 142	REVIT Architecture 1	(4)
D T 145	Structural Drafting-Steel	(4)
D T 146	Structural Drafting-Concrete	(4)
D T 147	Structural Drafting-Wood	(4)
D T 151	Technical Illustration	(7)
D T 175	Drafting Work Experience	(4-6)
D T 177-179	Drafting Work Experience 1-3	(3 ea)
D T 180-182	Leadership Skills 1-3	(1 ea)
D T 199 or 299	Independent Study-Drafting	(1-5 ea)
D T 200	ADDA Certification	(2)
D T 231	Mechanical Design (CADD)	(7)
D T 210	Advanced AutoCAD Development 1	(4)
D T 277-279	Drafting Work Experience 4-6	(3 ea)
Engr 106	Introduction to Engineering Problems	(3)
P E 113	Group Dynamics Activities	(1)

Satisfies related instruction requirements.

**Design Technology –
Manufacturing Technology - CIM**
Associate of Applied Science Degree
110-113 Credits

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Dept./No.	Course Title	Credits
Required Courses:		
# Cmst 100 or	Fundamentals of Oral Communication or	
Cmst& 210 or	Interpersonal Communication or	
Cmst& 220	Public Speaking	5
D T 100 or	Introduction to CADD/CAM or	(7)
D T 110 and	Introduction to AutoCAD and	(4)
Bus E 150	Introduction to Windows	(5) 7-9

D T 101 or	Technical Drafting or	(7)
D T 101.1 and	Drafting Fundamentals and	(4)
D T 101.2	Machine Drafting 1	(3) 7
D T 115	Geometric Dimensioning and Tolerancing	4
D T 131	Mechanical Drafting (CAD)	7
D T 135	3-D CADD/CAM	7
# D T 231	Mechanical Design (CAD)	7
I E 189	Basic Metallurgy	4
Mfg 111	Measuring Systems and Quality Assurance Level 1	3
Mfg 112	Shop Safety and Production Procedures Level 1	2
Mfg 113	Cutting Tools and Workholding Level 1	2
Mfg 114	Manufacturing Planning and Processes Level 1	1
Mfg 115	Reading Engineering Drawings Level 1	3
Mfg 116	Manufacturing Careers and 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 and Quality Assurance Level 2	3
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 Level 1	2
Mfg 155	Advanced Manufacturing Processes	1
Mfg 156	Review-Job Shadow Level 1	1
Mfg 162	Applied Materials for Manufacturing	2
Mfg 164	Shop Math	2
# Math 116T or	Technical Math 2 or	
Math& 142	Precalculus 2	5
# Engl 109 or	Writing for Trades and Professional/Technical Degrees or	
Engl 128	Research Writing: Science/Engineering/Business	5
Area of Emphasis: 17-18		
A. Machining Emphasis		
17 credits from suggested electives below		(17)
B. Design Drafting Emphasis		
D T 180-182 Leadership Skills 1-3 or Three credits of the Human Relations Related Instructions requirement on page 56		(3)
D T 237	Advanced 3-D CADD/CAM and 11 credits from suggested electives below	(4) (11)
Suggested Electives:		
Mfg 122	Shop Safety and Production Procedures Level 2	(2)
Mfg 123	Cutting Tools and Workholding Level 2	(2)
Mfg 124	Manufacturing Planning and Processes Level 2	(1)
Mfg 125	Reading Engineering Drawings Level 2	(3)
Mfg 126	Manufacturing Careers and 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 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 Level 2	(2)
Mfg 157	Review-Job Shadow Level 2	(1)
Mfg 158	Review-Job Shadow Level 3	(1)

Satisfies related instruction requirements.

Design Technology – Mechanical Design Technology

Associate in Applied Science Degree
120 Credits

Mechanical designers and technicians assist engineers in industry and require a very broad technological background. Students develop proficiency in-board drawing and computer-aided drafting. Students prepare drawings for manufacturing and fabrication. The ANSI (American National Standards Institute) and the ASME (American Society of Mechanical Engineers) drafting and design standards are taught and reinforced as students prepare drawings in both 2-D and 3-D using AutoCAD, KeyCreator, and Mastercam applications software. Throughout this course of study, students use sketches, notes, technical literature, and personal research to complete assignments. Students complete related credits in the areas of manufacturing and engineering.

For additional information, see the course description listed under Design Technology.

Students can also earn an Associate in Applied Science Degree-Transfer in Mechanical Design Technology (AAS-T) on page 54.

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Dept./No.	Course Title	Credits
# Cmst 100 or Cmst & 210 or Cmst & 220	Fundamentals of Oral Communication or Interpersonal Communication or Public Speaking	5
D T 100 or D T 110 and D T 112	Introduction to CADD/CAM or Introduction to AutoCAD and Introduction to KeyCreator	(7) (4) (4) 7-8
D T 101 or D T 101.1 and D T 101.2	Technical Drafting or Drafting Fundamentals and Machine Drafting 1	(7) (4) (3) 7
D T 102 or D T 102.1 and D T 102.2	Descriptive Geometry or Descriptive Geometry and Machine Drafting 2	(7) (4) (3) 7
D T 105 or Tech 100	Design Drafting Careers or Careers for the New Millennium	2
D T 113 or D T 236	Introduction to SolidWorks or Introduction to Inventor	4
D T 115 D T 131 D T 135	Geometric Dimensioning and Tolerancing Mechanical Drafting (CADD) 3-D CADD/CAM	4 7 7
D T 145 D T 151	Structural Drafting-Steel Technical Illustration	5 7
# D T 231 D T 232 D T 237	Mechanical Design (CADD) Drafting and Design Projects (CADD) Advanced 3-D CADD/CAM	7 7 4
# Engl 109 or Engl 128 I E 189 I E 204 or Engr & 214	Writing for Trades and Professional/Technical Degrees or Research Writing: Science/Engineering/Business Basic Metallurgy Statics and Strengths or Statics	5 4 5
Phys 110 or Phys 201	Introduction to College Physics or Physics/Science/Engineering 1	5
# Ten credits from the following Math courses:		10
Math & 141 Math & 142 Math & 151 Math & 152 Math 116T Math 117T	Precalculus 1 Precalculus 2 Calculus I Calculus II Technical Math 2 Technical Math 3	(5) (5) (5) (5) (5) (5)

Electives: Students must choose from the following courses to total 120 credits:

Coop 171	Work Experience Seminar	(1)
D T 113	Introduction to SolidWorks	(4)
D T 175	Drafting Work Experience	(4-6)
D T 177-179	Drafting Work Experience 1-3	(3 ea)
D T 180-182	Leadership Skills 1-3	(1 ea)
D T 199 or 299	Independent Study-Drafting	(1-5 ea)
D T 200	ADDA Certification Preparation	(2)
D T 210	Advanced AutoCAD Development 1	(4)
D T 236	Introduction to Inventor	(4)
D T 238	Intermediate Inventor	(3)
D T 277-279	Drafting Work Experience 4-6	(3ea)
Engr 106	Introduction to Engineering Problems	(3)
Indus 102.1	Welding Survey 1	(3)
Mfg	Any Mfg class	(10)

Satisfies related instruction requirements.

Design Technology -- Architectural Drafting Proficiency

Certificate of Proficiency
39-42 Credits

Contact: Terry Waagan, ext. 4342 Felix Serna, ext. 4321
twaagan@greenriver.edu fserna@greenriver.edu

Dept./No.	Course Title	Credits
Core Requirements:		
D T 100 or D T 110 and D T 112	Introduction to CADD/CAM or Introduction to AutoCAD and Introduction to KeyCreator	(7) (4) (4) 7-8
D T 101 or D T 101.1 and D T 101.2	Technical Drafting or Drafting Fundamentals and Machine Drafting	(7) (4) (3) 7
D T 105 or Tech 100	Design Drafting Careers or Careers for the New Millennium	2
D T 131 D T 141 D T 241	Mechanical Drafting (CADD) Architectural Drafting 1 Architectural Drafting 2	7 5 4
Complete a minimum of 2 classes from the following courses: 7-9		
Carp 148 Carp 151 Carp 152 D T 125 D T 142 D T 145 D T 146 D T 147 D T 225	Material Estimating International Residential Code International Building Code Civil Drafting 1 REVIT Architecture 1 Structural Drafting-Steel Structural Drafting-Concrete Structural Drafting – Wood Civil Drafting 2	(4) (3) (3) (5) (4) (4) (4) (4) (4)

Design Technology – Architectural, Structural and Civil Drafting

Certificate
74 Credits

This certificate program develops entry-level skills in preparing detail drawings, using board drafting skills and computer-aided drafting skills, from sketches, notes, specifications and technical data furnished by architects, engineers, surveyors, builders, and firms connected with the construction and building industry. Students completing this program may enter into the following Associate of Applied Science degree programs - Construction Design Technology and Design Drafting Technology.

Contact: Terry Waagan, ext. 4342 Felix Serna, ext.4321
twaagan@greenriver.edu fserna@greenriver.edu

Dept./No.	Course Title	Credits
Core Requirements:		
# Cmst 100 or	Fundamentals of Oral Communication or	
Cmst& 210 or	Interpersonal Communication or	5
Cmst& 220	Public Speaking	
D T 100 or	Introduction to CADD/CAM or	(7)
D T 110 and	Introduction to AutoCAD and	(4)
D T 112	Introduction to KeyCreator	(4)
D T 101 or	Technical Drafting or	(7)
D T 101.1 and	Drafting Fundamentals and	(4)
D T 101.2	Machine Drafting 1	(3)
D T 102 or	Descriptive Geometry or	(7)
D T 102.1 and	Descriptive Geometry and	(4)
D T 102.2	Machine Drafting 2	(3)
D T 105 or	Design Drafting Careers or	
Tech 100	Careers for the New Millennium	2
D T 125	Civil Drafting 1	5
D T 131	Mechanical Drafting (CADD)	7
D T 141	Architectural Drafting 1	5
D T 142 or	REVIT Architecture 1 or	
D T 145 or	Structural Drafting-Steel or	
D T 146 or	Structural Drafting-Concrete or	
D T 147	Structural Drafting-Wood	4
# D T 231 or	Mechanical Design (CADD)I or	
	Three credits of the Human Relations	
	Related Instruction requirement on page 56	3-7
D T 241 or	Architectural Drafting 2 or	
D T 225	Civil Drafting 2	4
# Engl 109 or	Writing for Trades and Professional/Technical	
	Degrees or	
Engl 128	Research Writing: Science/Engineering/Business	5
# Math 116T or	Technical Math 2 or	
Math& 142 or	Precalculus 2 or	
Math& 151	Calculus I	5

Electives: Students must choose from the following courses to total 74 credits.

Carp	Any Carpentry course(s)	(1-8)
	Except Carp 146, Blueprint Reading)	
Coop 171	Work Experience Seminar	(1)
D T 142	REVIT Architecture 1	(4)
D T 145	Structural Drafting-Steel	(4)
D T 146	Structural Drafting-Concrete	(4)
D T 147	Structural Drafting-Wood	(4)
D T 151	Technical Illustration	(7)
D T 177	Drafting Work Experience 1	(3)
D T 180-181	Leadership Skills 1-2	(1 ea)
D T 199 or 299	Independent Study-Drafting	(1-5 ea)
D T 200	ADDA Certification Preparation	(2)
D T 210	Advanced AutoCAD Development 1	(4)
D T 225	Civil Drafting 2	(4)
D T 231	Mechanical Design (CADD)	(7)
D T 241	Architectural Drafting 2	(4)
Engr 106	Introduction to Engineering Problems	(3)
GIS 121	Introduction to GIS	(5)
GIS 260	Cartography-Based GIS	(5)
Engr& 214 or	Statics or	
I E 204	Statics and Strengths	(5)

Satisfies related instruction requirements.

**Design Technology –
Civil Drafting Proficiency
Certificate of Proficiency
40-42 Credits**

Contact: Terry Waagan, ext. 4342 Felix Serna, ext.4321
twaagan@greenriver.edu fserna@greenriver.edu

Dept./No.	Course Title	Credits
Core Requirements:		
D T 100 or	Introduction to CADD/CAM or	(7)
D T 110 and	Introduction to AutoCAD and	(4)
D T 112	Introduction to KeyCreator	(4)
D T 101 or	Technical Drafting or	(7)
D T 101.1 and	Drafting Fundamentals and	(4)
D T 101.2	Machine Drafting 1	(3)
D T 105 or	Design Drafting Careers or	
Tech 100	Careers for the New Millennium	2
D T 131	Mechanical Drafting-CADD	7
D T 125	Civil Drafting 1	5
D T 225	Civil Drafting 2	4
Complete a minimum of 2 classes from the following courses:		
D T 141	Architectural Drafting 1	(5)
D T 142	REVIT Architecture 1	(4)
D T 145	Structural Drafting-Steel	(4)
D T 146	Structural Drafting-Concrete	(4)
D T 147	Structural Drafting-Wood	(4)
D T 241	Architectural Drafting 2	(4)

**Design Technology –
Drafting Proficiency
Certificate of Proficiency
39-44 Credits**

Contact: Terry Waagan, ext. 4342 Felix Serna, ext.4321
twaagan@greenriver.edu fserna@greenriver.edu

Dept./No.	Course Title	Credits
Core Requirements:		
D T 100 or	Introduction to CADD/CAM or	(7)
D T 110 and	Introduction to AutoCAD and	(4)
D T 112	Introduction to KeyCreator	(4)
D T 101 or	Technical Drafting or	(7)
D T 101.1 and	Drafting Fundamentals and	(4)
D T 101.2	Machine Drafting 1	(3)
D T 102 or	Descriptive Geometry or	(7)
D T 102.1 and	Descriptive Geometry and	(4)
D T 102.2	Machine Drafting 2	(3)
D T 105 or	Design Drafting Careers or	
Tech 100	Careers for the New Millennium	2
D T 131	Mechanical Drafting-CADD	7
Complete a minimum of nine (9) credits but no more than 13 credits from the following courses:		
D T 113	Introduction to SolidWorks	(4)
D T 125	Civil Drafting 1	(5)
D T 135	3-D CADD/CAM	(7)
D T 141	Architectural Drafting 1	(5)
D T 142	REVIT Architecture 1	(4)
D T 145	Structural Drafting-Steel	(4)
D T 146	Structural Drafting-Concrete	(4)
D T 147	Structural Drafting-Wood	(4)
D T 151	Technical Illustration	(7)
D T 225	Civil Drafting 2	(4)
D T 231	Mechanical Design (CADD)	(7)
D T 232	Drafting and Design Projects (CADD)	(7)
D T 236	Introduction to Inventor	(4)
D T 237	Advanced 3-D CADD/CAM	(4)
D T 238	Intermediate Inventor	(4)
D T 241	Architectural Drafting 2	(4)
I E 114	CATIA - 2-D	(4)
I E 210	CATIA - Modeling	(7)
I E 214	CATIA - Solids	(5)
I E 215	CATIA - 3-D Surfacing	(4)

**Design Technology –
Mechanical CAD Proficiency
Certificate of Proficiency
35-36 Credits**

Contact: Terry Waagan, ext. 4342 Felix Serna, ext.4321
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Dept./No.	Course Title	Credits
D T 100 or	Introduction to CADD/CAM or	(7)
D T 110 and	Introduction to AutoCAD and	(4)
D T 112	Introduction to KeyCreator	(3)
D T 101 or	Technical Drafting or	(7)
D T 101.1 and	Drafting Fundamentals and	(4)
D T 101.2	Machine Drafting 1	(3)
D T 131	Mechanical Drafting-CADD	7
D T 135	3-D CADD/CAM	7
D T 231	Mechanical Design-CADD	7

**Design Technology –
Mechanical 3-D CAD
Certificate of Proficiency
43-44 Credits**

Contact: Terry Waagan, ext. 4342 Felix Serna, ext.4321
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Dept./No.	Course Title	Credits
D T 100 or	Introduction to CADD/CAM or	(7)
D T 110 and	Introduction to AutoCAD and	(4)
D T 112	Introduction to KeyCreator	(4)
D T 101 or	Technical Drafting or	(7)
D T 101.1 and	Drafting Fundamentals and	(4)
D T 101.2	Machine Drafting 1	(3)
D T 113 or	Introduction to SolidWorks or	
D T 236	Introduction to Inventor	4
D T 131	Mechanical Drafting (CADD)	7
D T 135	3-D CADD/CAM	7
D T 231	Mechanical Design (CADD)	7
D T 237	Advanced 3-D CADD/CAM	4

**Design Technology –
Mechanical Drafting
Certificate
74-76 Credits**

This certificate program develops entry-level board drafting and computer-aided drafting skills in mechanical drafting and design. The American National Standards Institute (ANSI) and the American Society of Mechanical Engineers (ASME) drafting and design standards will be taught and reinforced as students prepare working 2-D and 3-D drawings of objects for fabrication with AutoCAD, KeyCreator, and Mastercam application software. Throughout this course of study, students use sketches, notes, technical literature, and personal research to complete assignments. Students completing this program may enter into one of three Associate of Applied Science degree programs: Design Drafting Technology, Mechanical Design Technology, or Manufacturing Technology-CIM.

Contact: Terry Waagan, ext. 4342 Felix Serna, ext.4321
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Dept./No.	Course Title	Credits
Core Requirements:		
# Cmst 100 or	Fundamentals of Oral Communication or	
Cmst& 210 or	Interpersonal Communication or	
Cmst& 220	Public Speaking	5
D T 100 or	Introduction to CADD/CAM or	(7)
D T 110 and	Introduction to AutoCAD and	(4)
D T 112	Introduction to KeyCreator	(4)
D T 101 or	Technical Drafting or	(7)
D T 101.1 and	Drafting Fundamentals and	(4)
D T 101.2	Machine Drafting 1	(3)
D T 102 or	Descriptive Geometry or	(7)
D T 102.1 and	Descriptive Geometry and	(4)
D T 102.2	Machine Drafting 2	(3)
D T 105 or	Design Drafting Careers or	
Tech 100	Careers for the New Millennium	2
D T 113 or	Introduction to SolidWorks or	
D T 236	Introduction to Inventor	4
D T 115	Geometric Dimensioning and Tolerancing	4
D T 131	Mechanical Drafting (CADD)	7
D T 135	3-D CADD/CAM	7
# D T 231	Mechanical Design (CADD)	7
D T 237	Advanced 3-D CADD/CAM	4
# Engl 109 or	Writing for Trades and Professional/Technical Degrees or	
Engl 128	Research Writing: Science/Engineering/Business	5
Indus 102.1 or	Welding Survey 1 or	
Mfg 111 and	Measuring Systems and Quality Assurance Level 1 and	
Mfg 114 or	Manufacturing Planning and Processes Level 1 or	
Mfg 111 and	Measuring Systems and Quality Assurance Level 1 and	
Mfg 155	Advanced Manufacturing Processes	3-4
# Math 116T or	Technical Math 2 or	
Math& 142 or	Precalculus 2 or	
Math& 151	Calculus I	5
Electives:		
Coop 171	Work Experience Seminar	(1)
D T 113	Introduction to SolidWorks	(4)
D T 177	Drafting Work Experience 1	(3)
D T 180-181	Leadership Skills 1-2	(1 ea)
D T 199 or 299	Independent Study-Drafting	(1-5)
D T 200	ADDA Certification	(2)
D T 210	Advanced AutoCAD Development 1	(4)
D T 232	Drafting and Design Projects (CADD)	(7)
D T 236	Introduction to Inventor	(4)
D T 237	Advanced 3-D CADD/CAM	(4)
D T 238	Intermediate Inventor	(3)
D T 277-279	Drafting Work Experience 4-6	(3 ea)
Engr 106	Introduction to Engineering Problems	(3)
Engr& 214 or	Statics or	(5)
I E 204	Statics and Strengths	(5)
I E 114	CATIA – 2-D	(4)
I E 210	CATIA – Modeling	(7)
I E 214	CATIA – Solids	(5)
I E 215	CATIA – 3-D Surfacing	(4)

Satisfies related instruction requirements.

**Design Technology –
Structural Drafting
Certificate of Proficiency
38-42 Credits**

Contact: Terry Waagan, ext. 4342 Felix Serna, ext.4321
twaagan@greenriver.edu fserna@greenriver.edu

Dept./No.	Course Title	Credits
Core Requirements:		
D T 100 or	Introduction to CADD/CAM or	(7)
D T 110 and	Introduction to AutoCAD and	(4)
D T 112	Introduction to KeyCreator	(4) 7-8
D T 101 or	Technical Drafting or	(7)
D T 101.1 and	Drafting Fundamentals and	(4)
D T 101.2	Machine Drafting 1	(3) 7
D T 105 or	Design Drafting Careers or	
Tech 100	Careers for the New Millennium	2
D T 131	Mechanical Drafting (CADD)	7
Complete a minimum of two (2) classes from the following courses:		8
D T 142	REVIT Architecture 1	(4)
D T 145	Structural Drafting-Steel	(4)
D T 146	Structural Drafting-Concrete	(4)
D T 147	Structural Drafting-Wood	(4)
Complete a minimum of two (2) classes from the following courses:		7-10
Carp 151	International Residential Code	(3)
Carp 152	International Building Code	(3)
D T 125	Civil Drafting 1	(5)
D T 141	Architectural Drafting 1	(5)
D T 142	REVIT Architecture 1	(4)
D T 145	Structural Drafting-Steel	(4)
D T 146	Structural Drafting-Concrete	(4)
D T 147	Structural Drafting-Wood	(4)
D T 225	Civil Drafting 2	(4)
D T 241	Architectural Drafting 2	(4)

**Early Childhood Education
Associate in Applied Arts Degree
95-99 Credits**

This degree program prepares students for a career in Early Childhood Education. The completion of the degree or certificate program prepares graduates to seek employment in child care centers, Head Start, family child care homes, cooperative and private preschools, children's homes, institutions and other programs serving children from birth through 8 years of age. This curriculum provides meaningful instruction for parents, foster parents and persons working with young children as instructional aides or paraeducators. Cultural relevancy is integrated into each course.

Students may specialize in one or more areas of emphasis and may enter this program at the beginning of any quarter.

Contact: Diana Holz, ext. 4334 Leslie Kessler, ext. 4555
dholz@greenriver.edu kessler@greenriver.edu

Dept./No.	Course Title	Credits
# B A 145 or Bus E 110	Business Computation or Business Math Applications or any Acomp 100 or Math course 100 or higher	3-5
# Cmst& 210 or Cmst& 220	Interpersonal Communication or Public Speaking	5
ECE 101	Introduction to Early Childhood Education	5
ECE 175	Music and Movement Activities	3
ECE 205	Learning Environments	3
ECE 235	Child, Family and Community Relationships 3	
ECE 250	Early Childhood Education Final Practicum 1	
Edec 102	Computers in Education	3
Edec 130	Guidance and Discipline	3

Edec 140	Health, Safety and Nutrition	3
Edec 150	Multicultural Language Arts P-3	3
Edec 155	Exploring Science and Math P-3	5
Edec 160	Art for Children	3
Edec 200	Curriculum Development in Literacy	2
Edec 243	Creative Teaching of the Young Child	5
Educ& 115	Child Development	5
Educ& 204	Exceptional Child	5
Educ 240	Multicultural/Anti-Bias Issues in Education	3-5
# Engl& 101	English Composition I	5

Select 12 credits from the following practicum classes: 12

# ECE 103	Early Childhood Education Practicum 1	(3)
ECE 103.1	Child Development Associate Practicum 1	(3)
# ECE 104	Early Childhood Education Practicum 2	(3)
ECE 104.1	Child Development Associate Practicum 2	(3)
ECE 181	Montessori Practicum 1	(4)
ECE 182	Montessori Practicum 2	(4)
# ECE 214	Early Childhood Education Practicum 3	(3)
# ECE 215	Early Childhood Education Practicum 4	(3)
ECE 265	Supervised Montessori Teaching	(4)
Educ 210	Assisting Practicum	(6)

Electives or Areas of Specialization 15

Any ECE, Edec, or Educ class numbered 100 or higher.

Satisfies related instruction requirements

**Early Childhood Education
Certificate of Proficiency
44 Credits**

This certificate program is for students wishing to study young children. It can be used as an entry-level training or as a specialization in areas of infant/toddler care, preschool, before and after school care, or center management.

Contact: Diana Holz, ext. 4334 Leslie Kessler, ext. 4555
dholz@greenriver.edu lkessler@greenriver.edu

Dept./No.	Course Title	Credits
Students must choose from the following courses to total 44 credits:		
ECE 101	Introduction to Early Childhood Education	5
ECE 103	Early Childhood Education Practicum 1	3
ECE 104	Early Childhood Education Practicum 2	3
Edec 102	Computers in Education	3
Educ 110.1 and	The Developing Child: Birth to Three and	3
Educ 110.2	Preschool and School-Age Development	2
Edec 130	Guidance and Discipline	3
Edec 140	Health, Safety and Nutrition	3
Educ 240	Multicultural/Anti Bias Issues in Education	3-5

Electives or Areas of Specialization 14-16
Any ECE, Edec **or** Educ class numbered 100 **or** higher

Areas of Specialization include:

- Child Development Associates (CDA)
- Montessori Teaching
- Infant/Toddler Care Giving
- Center Management
- School-age Programs
- Family Child Care

Electives or Areas of Specialization

- Any ECE, Edec, **or** Educ class numbered 100 **or** higher. Students wishing to specialize in Montessori Education may take the Montessori practicum: ECE 181, 182, and 256 instead of ECE 103 – 104, ECE 103.1, ECE 104.1, and 214 and 215 for a total of 12 credits.
- Any combination of ECE 103, 103.1, 104, 104.1, 181, 182, 210, 214, 215, 256 and Educ 210 may be taken to satisfy practicum classes for this certificate.
- Educ 210 may substitute for ECE 103 and 104 (6 credits of practicum), **or** may be used as an elective.
- Students may substitute Educ& 115 Child Development for Educ 110.1 and 110.2

**Early Childhood Education –
Early Childhood Assistant Teacher**
Certificate of Proficiency
27-28 Credits

This certificate program is an introduction to early learning including methods of interacting with young children in the areas of art, music and movement. This certificate also prepares students to assume the role of a teacher's aide. Students are trained in the basic child care techniques of child development, health and safety, and guidance and discipline.

Contact: Diana Holz, ext. 4334 Leslie Kessler, ext. 4555
dholz@greenriver.edu lkessler@greenriver.edu

Dept./No.	Course Title	Credits
ECE 100	Basic STARS Training	2
ECE 101	Introduction to Early Childhood Education	5
ECE 103 or ECE 103.1 or	Early Childhood Education Practicum 1 or Child Development Assistant Practicum 1 or	(3)
ECE 181 or	Montessori Practicum 1 or	(4)
ECE 182	Montessori Practicum 2	(4)
ECE 175	Music and Movement Activities	3
Educ& 115 or	Child Development or	(5)
Educ 110.1 and Educ 110.2	The Developing Child-Birth to Three and Preschool and School-Age Development	(3) (2)
Edec 130	Guidance and Discipline	3
Edec 140	Health, Safety and Nutrition	3
Edec 160	Art for Children	3

**Early Childhood Education –
Child Development Associate Preparation (CDA)**
Certificate of Proficiency
20 Credits

Students who successfully complete this certificate with a minimum grade of 2.0 in each class are eligible to apply to take the Child Development Associate (CDA) examination, which leads to a nationally recognized CDA credential. The CDA national credentialing program focuses on the skills of early care and education professionals. It is designed to provide performance-based training, assessment, and credentialing of childcare staff, home visitors, and family child care providers.

Contact: Candy Benteu, Ext. 2729
cbenteu@greenriver.edu

Dept./No.	Course Title	Credits
ECE 120	Introduction to CDA	5
ECE 190	CDA Course Content	5
ECE 200	CDA Work Ethics	5
ECE 260	CDA Performance Documentation	5
Recommended Supplemental Courses:		
ECE 103.1	Child Development Assistant Practicum 1	3
ECE 104.1	Child Development Assistant Practicum 2	3

**Early Childhood Education –
Instructional Paraeducator**
Certificate of Proficiency
44 Credits

This certificate program prepares students for positions in both public and private school classrooms. Based on the Washington State Paraeducator standards, this certificate provides students training needed to work as effective members of instructional teams. Core competencies covered in this program prepare instructional aides to effectively support and extend instruction and services, thereby increasing student learning. These core competencies revolve around the areas of instructional strategies, behavior management, and human growth and development. The coursework is offered partially online, as well as in the classroom, drawing on the expertise of local professionals and schools.

Contact: Diana Holz, ext. 4334 Leslie Kessler, ext. 4555
dholz@greenriver.edu lkessler@greenriver.edu

Dept No.	Course Title	Credits
Students must choose from the following courses to total 44 credits:		
ECE 101 or Educ& 205	Introduction to Early Childhood Education or Introduction to Education with Field Experience	5
Edec 102	Computers in Education	3
Edec 130	Guidance and Discipline	3
Edec 140	Health, Safety and Nutrition	3
Edec 190	The Role of the Paraeducator	2
Edec 194	Special Topics–School Orientation	1
Edec 195	Special Topics–Alcohol and Drug Awareness	1
Edec 196	Special Topics–Test Administration and Scoring	1
Edec 200	Curriculum Development in Literacy	2
Edec 245	Challenging Behaviors in Young Children	2
Edec 293	Issues of Child Abuse	2
Educ& 115 or Educ 110.1 and Educ 110.2	Child Development or The Developing Child: Birth to Three and Preschool and School-Age Development	(5) (3) (2)
Educ& 204	Exceptional Child	5
Educ 210	Assisting Practicum	6
Educ 240	Multicultural/Anti-Bias Issues in Education	3-5

Early Childhood Education – Montessori Teaching
Certificate of Proficiency
34 Credits

Contact: Diana Holz, ext. 4334 Leslie Kessler, ext. 4555
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Dept./No.	Course Title	Credits
ECE 181	Montessori Practicum 1	4
ECE 182	Montessori Practicum 2	4
ECE 211	Introduction to Montessori	4
ECE 212	Montessori 2	4
ECE 213	Montessori 3	4
ECE 265	Supervised Montessori Teaching	4
Edec 294	Special Topics: Montessori	5
Educ& 115	Child Development	5

Forensic Technology
Associate in Applied Science Degree
113-114 Credits

This degree program answers the need for trained individuals who wish to gain employment in areas such as police support, crime scene investigations, fingerprint and trace evidence examination. Forensics or criminalistics is concerned with the recognition, identification, individualization, and evaluation of physical evidence using the methods of the natural sciences.

Some of the major areas of this specialty include forensic medicine, toxicology, serology, anthropology, odontology, trace evidence (hair, fibers, glass, etc.), documentary evidence, ballistics, explosives, accelerates, and fingerprint examination.

This degree helps prepare students to enter the field of criminalistics or to transfer to a university to continue their education. Those interested in transferring to a university should consider this degree as it also satisfies the requirement of the Associate in Arts degree.

Contact: Ron Riley, ext. 4859
rriley@greenriver.edu

Dept./No.	Course Title	Credits
AP 103	Essentials of Human Anatomy-Physiology 1	5
AP 104	Essentials of Human Anatomy-Physiology 2	5
Anth& 205	Biological Anthropology	5
Biol& 100	Survey of Biology	5
# Cmst& 210	Interpersonal Communication	5
# Cmst& 220	Public Speaking	5
# Engl& 101	English Composition I	5
Engl 126 or	Writing: Humanities or	
Engl 127 or	Writing: Social Sciences or	
Engl 128	Research Writing: Science/Engineering/Business	5
# Math& 107	Math in Society or any college level Math course	5
P E 101 or	Physical Fitness Lab or	(2)
P E 102 or	Jogging or	(2)
P E 103 or	Total Physical Fitness or	(3)
P E 111 or	Aerobic Walking or	(2)
P E 149 or	CORE Training for Health or	(2)
P E 131 or	Weight Training or	(2)
P E 160 or	Exercise and Nutrition or	(3)
P E 165 or	Exercise and Health or	(3)
P E 169	Fitness and Health	(3) 2-3
P E 113	Group Dynamics Activities	1
Phil 115 or	Reasoning in Everyday Life or	
Phil 160	Introduction to the Philosophy of Science	5
Photo 101	Beginning Black and White Photography	5
Photo 111	Beginning Digital Photography	5
Psyc& 100	General Psychology	5
Psyc& 220	Abnormal Psychology	5
Required core classes: (25 credits)		
Anth& 236	Forensic Anthropology	5
CJ &101	Introduction to Criminal Justice	5
CJ 115	Fingerprint Science	5
CJ 200	Individual Rights in Criminal Justice	5
CJ 205 or	Criminal Evidence or	
CJ& 240	Introduction to Forensics Science	5
Electives, select any three classes (15 credits maximum)		
Bus E 140	Records Management	(5)
Bus E 250	Office Administration	(5)
CJ& 105	Introduction to Corrections	(5)
CJ& 110	Criminal Law	(5)
CJ 177 and	Criminal Justice Work Experience 1 and	(5)
Coop 171	Work Experience Seminars	(1)
CJ 220	Multicultural Diversity in Criminal Justice	(5)
CJ 236	Community-Oriented Policing	(5)
CJ 294	Special Topics-Criminal Justice	(5)
CJ 299	Independent Study-Criminal Justice	(5)
Psyc 209	Fundamentals of Psychological Research	(5)
Soc 215	Survey of Criminology	(5)
Soc 245	Juvenile Delinquency	(5)

Satisfies related instruction requirements.

Note: Students must attain a grade of 2.0 or higher in all criminal justice classes.

Forensic and Fingerprint Technology Certificate of Proficiency 40 Credits

Green River Community College is one of the few colleges that offer training to become a Fingerprint Technician. This short-term certificate can be completed in just two quarters and includes training in the new Automatic Fingerprint Identification System (AFIS), classification, evidence presentation, court testimony preparation and basic job skill preparation. Students who earn the certificate are afforded great opportunity for immediate employment with local law enforcement agencies.

Contact: Ron Riley, ext. 4859
rriley@greenriver.edu

Dept./No.	Course Title	Credits
Bus E 140	Records Management	5
Bus E 250	Office Administration	5
CJ& 101	Introduction to Criminal Justice	5
CJ 115	Fingerprint Science	5
CJ 200	Individual Rights in Criminal Justice	5
CJ 205 or	Criminal Evidence or	
CJ& 240	Introduction to Forensics Science	5
Engl& 101	English Composition I	5
Photo 111	Beginning Digital Photography	5

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

Bus E 100	Fundamentals of Computers	5
CJ 177-179 and	Criminal Justice Work Experience 1-3 and	1-5
Coop 171	Work Experience Seminar	1

Note: Students must attain a grade of 2.0 or higher in all criminal justice classes.

Geographic Information Systems Associate in Applied Science Degree 102-107 Credits

Geographic Information Systems (GIS) are software applications designed to support decision-making, site-selection, spatial analysis and cartography (map making). This technology is widely used by industry and government to support applications such as urban growth management, natural resources/conservation and utilities management. The Geographic Information Systems program prepares students for employment as GIS technicians and analysts. Graduates may be employed by a wide variety of government agencies, utilities, and private businesses that operate and maintain GIS facilities.

Contact: Sabah Jabbouri, ext.4854
sjabbouri@greenriver.edu

Dept./No.	Course Title	Credits
FIRST YEAR		
Fall Quarter		
GIS 102	Exploring GIS Spatial Technology	3
GIS 121	Introduction to GIS	5
# Math 115T or	Natural Resources Algebra-Trigonometry or	
Math 116T or	Technical Math 2 or	
Math& 141 or	Precalculus I or	
Math 147	Finite Math for Business and Social Science	5
# Natrs 172	Computer Applications Overview	4

Winter Quarter		
# Engl& 101 or Engl 109 or	English Composition I or Writing for Trades and Professional/Technical Degrees or	
Engl 128	Research Writing: Science/Engineering/Business	5
Geog 120 or Natsr 270	Introduction to Physical Geography or Stream and Wetland Ecology	5
GIS 141	Spatial Statistics	3
GIS 260	Cartography Based-GIS	5
Spring Quarter		
Bus E 185	Introduction to Microsoft Access	5
GIS 220	GIS Modules Analyst	5
Electives	Any course	5-10
SECOND YEAR		
Fall Quarter		
D T 110	Introduction to AutoCAD	4
GIS 250	Data and Spatial Database Design	5
Natsr 117	Aerial Photography Uses and Ground-Based Mapping	2
Electives	Any course	5
Winter Quarter		
# Cmst& 210 or Cmst& 220	Interpersonal Communication or Public Speaking	5
GIS 202	GIS Fundamentals and Theory	5
GIS 255	Introduction to GIS Programming	5
GIS 291	GIS Project Planning	2
Spring Quarter		
GIS 270	GIS in the Field 1	5
GIS 292	GIS Project	5
GIS 177-179 and Coop 171	GIS Work Experience 1-3 and Work Experience Seminar	8 1

Satisfies related instruction requirements.

Geographic Information Systems Certificate of Proficiency 43 Credits

This certificate program is an intensive nine to twelve month program. It is designed for anyone without GIS background who wants to pursue GIS as a new career or for those pursuing GIS careers in government, industry, utilities, planning, municipal services, health or business. This program accepts new students each fall quarter. Students with previous GIS training or experience may be admitted beginning in winter or spring quarter.

Contact: Sabah Jabbouri, ext.4854
sjabbouri@greenriver.edu

Dept./No.	Course Title	Credits
Fall Quarter		
GIS 102	Exploring GIS Spatial Technology	3
GIS 121	Introduction to GIS	5
GIS 250	Data and Spatial Database Design	5
Winter Quarter		
GIS 141	Spatial Statistics	3
GIS 202	GIS Fundamentals and Theory	5
GIS 260	Cartography Based-GIS	5
GIS 291	GIS Project Planning	2
Spring Quarter		
GIS 220	GIS Modules Analyst	5
GIS 270	GIS in the Field	5
GIS 292	GIS Project, Management and Implementation	5

To enhance student's preparation for employment, an internship is highly recommended:

Natsr 117	Aerial Photography Uses and Ground-based Mapping	2
GIS 177-179 and Coop 171	GIS Work Experience 1-3 and Work Experience Seminar	8 1

Information Technology Help Desk Support Technician Certificate of Proficiency 44 Credits

This certificate program is designed to prepare students for entry-level employment as a help-desk technician or technical support specialist.

Help-desk technicians troubleshoot hardware, software, and operating system problems reported by end users, often over the telephone. Technical support specialists install, configure, update, troubleshoot, and repair computer hardware, software, operating systems, and peripheral devices.

Key topics in this certificate program include PC support, networking, user support, and Microsoft Windows Server or Linux administration. In addition to technical knowledge and skills, this program focuses on the key interpersonal communication skills sought by employers. Students in this program also gain real-world help desk work experience.

Students can also earn the Computer Support Specialist, Associate in Applied Science-Transfer degree (AAS-T). See page 51.

Contact: Alan Carter, ext. 4630 Gus Gomez, ext. 4309
acarter@greenriver.edu ggomez@greenriver.edu

Dept./No.	Course Title	Credits
Bus E 132	Business Communication Applications	5
IT 101	Introduction to Computer Science	5
IT 110	PC Support Technician 1	5
IT 115	PC Support Technician 2	5
IT 116 or Bus E 266	PC Support Technician 3 (Windows Applications) or Inside Microsoft Office	5
IT 130	Introduction to Networking	5
IT 140	Customer Service for IT Professionals	5
IT 160	Microsoft Windows (Current version) Server Implementation	5
IT 171	IT Work Experience Seminar	1
IT 178	Help Desk Work Experience	3

IT Information Assurance Technician Certificate of Proficiency 54-59 credits

This certificate program prepares students for entry-level employment as a computer security specialist or information assurance technician. It is also useful for established IT professionals who want to add the information assurance specialty to their credentials.

Information assurance is one of the fastest growing and most challenging specialty areas in information technology. Computer security specialists and information assurance technicians educate end users about security; implement security configurations, including hardening servers and client computers; monitor the network for attempted and actual security breaches; and respond to attacks.

Key topics in this certificate program include networking, network security, information assurance, and securing wireless networks. Students in this program also gain real-world network security work experience.

Students can also earn an Information Assurance Associate in Applied Science-Transfer degree in Information Assurance (AAS-T). See page 52.

Contact: Alan Carter, ext. 4630 Gus Gomez, ext. 4309
 acarter@greenriver.edu ggomez@greenriver.edu

Dept./No.	Course Title	Credits
# Cmst& 210 or Cmst& 220 or Cmst& 230	Interpersonal Communication or Public Speaking or Small Group Communication	5
# Engl& 101	English Composition I	5
# Math& 107 or Math& 141 or Math& 142 or Math 147	Math in Society or Precalculus 1 or Eligible for Math& 142 or Finite Math for Business and Social Science	0-5
IT 130	Introduction to Networking	5
IT 135	Introduction to Network Security	5
# IT 140	Customer Service for IT Professionals	5
IT 160	Microsoft Windows (Current version) Server Implementation	5
IT 171	IT Work Experience Seminar	1
IT 179	Network Security Work Experience	3
IT 215	Information Assurance	5
IT 216	Implement Firewalls	5
IT 280	Design and Implement Network Security	5
IT 285	Implement and Secure Wireless Networks	5

Satisfies related instruction requirements.

IT Network Technician Certificate of Proficiency 51-56 Credits

This certificate program prepares students for entry-level employment as a network technician or systems administrator. It is also useful for established IT professionals who want to add the network technician specialty to their credentials.

Network technicians install, support, and maintain an organization's network infrastructure. They also troubleshoot problems and monitor the network to ensure that performance and availability standards are met. In addition, systems administrators may plan and implement network security.

Key topics in this certificate program include: networking, network security, managing Cisco routers and switches, administering Microsoft Windows Directory Services, and implementing and securing wireless networks. Students in this program also gain real-world network management work experience.

Students can also earn an Associate in Applied Science -Transfer degree in Networking (AAS-T). See page 52.

Contact: Alan Carter, ext. 4630 Gus Gomez, ext. 4309
 acarter@greenriver.edu ggomez@greenriver.edu

Dept./No.	Course Title	Credits
# Cmst& 210 or Cmst& 220 or Cmst& 230	Interpersonal Communication or Public Speaking or Small Group Communication	5
# Engl& 101	English Composition I	5
# Math& 107 or Math& 141 or Math& 142 or Math 147	Math in Society or Precalculus 1 or Eligible for Math& 142 or Finite Math for Business and Social Science	0-5
IT 130	Introduction to Networking	5
IT 132	Structured Cabling	2
IT 135	Introduction to Network Security	5
# IT 140	Customer Service for IT Professionals	5
IT 160	Microsoft Windows (Current version) Server Implementation	5
IT 171	IT Work Experience Seminar	1

IT 181	Network Management Work Experience	3
IT 210	Manage Cisco Routers and Switches	5
IT 240	Manage MS Windows (Current version) Network Environment	5
IT 285	Implement and Secure Wireless Networks	5

IT PC Repair Technician Certificate of Proficiency 26 Credits

This certificate program prepares students for entry-level employment in the information technology industry as a computer service technician. Computer service technicians, also called PC hardware technicians, install and configure hardware, operating systems, and applications on computers. They also diagnose and repair or resolve computer hardware and software problems, and perform preventive maintenance and basic networking tasks. They may also work on keyboards, monitors, printers, and mice. This certificate program provides students with a broad introduction to computer science topics, including operating systems, Microsoft Office applications, networking, and the Internet. The program has a strong emphasis on PC technical support, and includes hands-on training on hardware and software troubleshooting. In addition to technical knowledge and skills, this program teaches key customer service skills sought by employers. Students in this program also gain real-world help desk work experience.

Contact: Alan Carter, ext. 4630 Gus Gomez, ext. 4309
 acarter@greenriver.edu ggomez@greenriver.edu

Dept./No.	Course Title	Credits
IT 101	Introduction to Computer Science	5
IT 110	PC Support Technician 1	5
IT 115	PC Support Technician 2	5
IT 140	Customer Service for IT Professionals	5
IT 171	IT Work Experience Seminar	1
† IT 178	Help Desk Work Experience	5

† Students may earn up to 8 credits through co-op classes.

Legal Administrative Assistant Associate in Applied Arts Degree 97-102 Credits

This degree program provides students an opportunity to develop essential business skills in their area of interest, as well as to offer a comprehensive general education. Placement in courses depends on prior education and experience. Students in this program must complete all required classes with a grade of 2.0 or higher. This program meets the college's related instruction requirements for the Associate in Applied Arts degree. Students may enter this program at the beginning of any quarter.

Contact: Julie Slettvet, ext 4687 Susan Kolwitz, ext. 4375
 jslettvet@greenriver.edu skolwitz@greenriver.edu

Dept./No.	Course Title	Credit
Activity	Any course under the AA degree Lifetime Fitness/Wellness/Activity area	1+
Bus& 201 or Pols& 200	Business Law or Introduction to Law	5
Bus E 100	Fundamentals of Computers	5
* Bus E 101	Beginning Typing/Keyboarding	5
* Bus E 102	Intermediate Keyboarding	5
Bus E 103	Advanced Keyboarding	5
Bus E 109	Legal Terminology	3
# Bus E 110	Business Math Applications	5
Bus E 112	Beginning Word	5
Bus E 121	Legal Machine Transcription 1	5
Bus E 129	Legal Machine Transcription 2	5
# Bus E 130	Business Correspondence	5

Bus E 132	Business Communication Applications	5
Bus E 140	Records Management	5
Bus E 150	Introduction to Windows	5
Bus E 177	Business Education Work Experience 1	3
Bus E 201	Legal Production Keyboarding	5
Bus E 235	Legal Office Procedures	4
# Bus E 250	Office Administration	5
Bus E 266	Inside Microsoft Office	5
# Cmst 100 or	Fundamentals of Oral Communication or	
Cmst& 210 or	Interpersonal Communication or	
Cmst& 220 or	Public Speaking or	
Cmst& 230	Small Group Discussion	5
Coop 171	Work Experience Seminar	1
Reading	Eligible for Read 104 (as determined by the appropriate COMPASS test score) or completion of Read 094	0-5

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

Acct 110 or	Practical Financial Accounting 1 or	
Acct& 201 or	Principles of Accounting I or	
Bus E 090	Office Accounting	5
Bus& 101 or	Introduction to Business or	
Bus 164	Entrepreneurship and Small Business Management	5
Bus& 201 or	Business Law or	
Pols& 200	Introduction to Law	5
Behsc 190	Stress Management	5
Bus 166	Human Relations and Work Readiness	5
Bus E 107 and/or	Typing Speed and Accuracy 1 and/or	
Bus E 108	Typing Speed and Accuracy 2	4-8
Bus E 111	Personal Computing	3
o Bus E 115	Professional Image Building	1
Bus E 119 or	MOS Core and Expert Certification Preparation or	
Bus E 119.1-119.7	Prep Tests: Microsoft Access, Excel, PowerPoint or Word	1-7
Bus E 162 or	Introduction to Excel or	
Bus E 163	Advanced Excel	5
Bus E 175	Instructor Assistant	1-5
† Bus E 178-179	Business Education Work Experience 2-3	2-10
Bus E 184	Internet and Basic Web Design	5
Bus E 185	Introduction to Microsoft Access	5
Bus E 214	Introduction to Information Security	5
Bus E 255	Advanced Word	5
Engl 105	Grammar and Usage	5
Psyc& 100	General Psychology	5
Soc& 101	Introduction to Sociology	5

* Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.

† Students may earn up to 10 credits through Co-op classes.

Satisfies related instruction requirements.

o Qualifies as AA-DTA activity credit

Note: Students may choose the advanced computer applications course as an alternative to the introductory application course requirement such as Bus E 255 in place of Bus E 112.

Manufacturing Technology
Associate in Applied Science Degree
108 Credits

This is a two-year degree program that prepares students for employment in the metalworking industry. A graduate of the program will be able to perform simple layout, work from planned sequence of operations, and set up and operate conventional machine tools with a minimum of supervision. More advanced students will have proficiencies in areas of Computerized Numerical Control (CNC) programming and machine operations.

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.

Suggested first quarter classes for beginning Manufacturing Technology students are:

- Mach 101
- Acomp 100T
- Mach 167 - Blueprint Reading

Note: Students whose primary language is not English must pass ESOL Level 3 before enrolling in the Manufacturing Technology Program.

Contact: Tom Tagliente, ext. 4228 Paul Mueller, ext. 2635
ttaglien@greenriver.edu pmueller@greenriver.edu

Dept./No.	Course Title	Credits
# Acomp 100T	Computation for the Trades	5
# Behsc 103 or	Interpersonal Relations or	
Behsc 190 or	Stress Management or	
Bus 166	Human Relations and Work Readiness	5
# Cmst 100 or	Fundamentals of Oral Communication or	
Cmst& 220 or	Public Speaking or	
Cmst& 210	Interpersonal Communications	5
# Engl 109 or	Writing for Trades and Professional/Technical Degrees or	
Engl& 101 or	English Composition I or	
Engl 126 or	Writing: Humanities or	
Engl 127 or	Writing: Social Sciences or	
Engl 128	Research Writing: Science/Engineering/Business	5
I E 189	Basic Metallurgy	4
Indus 102.1	Welding Survey 1	3
Mach 101	Beginning Machining	13
Mach 102	Intermediate Machining	13
Mach 103	Advanced Machining	13
Mach 104	Precision Machining	13
Mach 105	Beginning CNC	13
Mach 167	Blueprint Reading-Machine Shop	3

Select 13 credits from the following options: **13**

Option 1

† Mach 106 or	Intermediate CNC or	(13)
Mach 178 and	CNC Machine Work Experience and	(12)
Coop 171	Work Experience Seminar	(1)

Option 2

† Mach 109 or	Special Machining Practice or	(13)
Mach 177 and	Conventional Machine Work Experience and	(12)
Coop 171	Work Experience Seminar	(1)

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

Bus E 111	Personal Computing	3
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Satisfies related instruction requirements.

† Students are allowed to substitute Mach 177 and Coop 171 for Mach 109 or Mach 178 and Coop 171 for Mach 106. This substitution is by faculty permission only.

Manufacturing Technology
Certificate of Proficiency
44 Credits

Dept./No.	Course Title	Credits
Acomp 100T	Computation for the Trades	5
Mach 101	Beginning Machining	13
Mach 102	Intermediate Machining	13
Mach 103	Advanced Machining	10
Mach 167	Blueprint Reading-Machine Shop	3

Suggested first quarter classes for beginning Machine Technology students are:

Acomp 100T	Computation for the Trades	5
Mach 101	Beginning Machining	13
Mach 167	Blueprint Reading-Machine Shop	3

Medical Office Assistant
Associate in Applied Arts Degree
111-116 Credits

This degree program provides students an opportunity to develop essential business skills in their area of interest as well as to offer a comprehensive general education. Placement in courses depends on prior education and experience. Students in this program must complete all required classes with a grade of 2.0 or higher. This program meets the college's related instruction requirements for the Associate in Applied Arts degree. Students may enter this program at the beginning of any quarter.

Contact: Susan Kolwitz, ext. 4375
 skolwitz@greenriver.edu

Dept./No.	Course Title	Credits
AP 100	Survey of Human Anatomy-Physiology	5
Bus E 100	Fundamentals of Computers	5
* Bus E 102	Intermediate Keyboarding	5
Bus E 103	Advanced Keyboarding	5
# Bus E 110	Business Math Applications	5
Bus E 112	Beginning Word	5
Bus E 122	Medical Machine Transcription	5
# Bus E 130	Business Correspondence	5
Bus E 132	Business Communication Applications	5
Bus E 142	Healthcare Delivery Systems	5
Bus E 143	Medical/Legal Aspects of Health Information	5
Bus E 145	ICD Medical Coding	5
Bus E 150	Introduction to Windows	5
Bus E 177 and Coop 171	Business Education Work Experience 1 and Work Experience Seminar	3 1
Bus E 202	Medical Production Keyboarding	5
# Bus E 245	Medical Office Procedures	5
Bus E 266	Inside Microsoft Office	5
# Cmst 100 or Cmst& 210 or Cmst& 220	Fundamentals of Oral Communication or Interpersonal Communication or Public Speaking	5
Engl 108	Medical Terminology	2
Reading	Eligible for Read 104 (as determined by the appropriate COMPASS test score) or completion of Read 094	0-5
Electives: Select 20 credits from the following to total 111-116 credits:		
Acct 110 or Acct& 201 or Bus E 090	Practical Financial Accounting 1 or Principles of Accounting I or Office Accounting	5
Bus& 101 or Bus 164	Introduction to Business or Entrepreneurship and Small Business Management	5 5
Behsc 190	Stress Management	5
Bus 166	Human Relations and Work Readiness	5
* Bus E 101	Beginning Typing/Keyboarding	5

Bus E 107 and/or Bus E 108	Typing Speed and Accuracy 1 and/or Typing Speed and Accuracy 2	4-8
Bus E 111	Personal Computing	3
o Bus E 115	Professional Image Building	1
Bus E 123	Advanced Medical Machine Transcription	5
Bus E 140	Records Management	5
Bus E 144	Computer Applications in Health Care	5
Bus E 146	CPT Medical Coding	5
Bus E 162 or Bus E 163	Introduction to Excel or Advanced Excel	5
Bus E 175	Instructor Assistant	1-5
† Bus E 178-179	Business Education Work Experience 2-3	2-10
Bus E 214	Introduction to Information Security	5
Bus E 246	Intermediate Medical Coding	5
Bus E 248	Healthcare Reimbursement Methodology	5
Bus E 250	Office Administration	5
Bus E 255	Advanced Word	5
Engl 105	Grammar and Usage	5

* Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.

† Students may earn up to 10 credits through Co-op classes.

Satisfies related instruction requirements.

o Qualifies as AA-DTA activity credit.

Note: Students may choose the advanced computer applications course as an alternative to the introductory application course such as Bus E 255 in place of Bus E 112.

Medical Office Manager
Certificate of Proficiency
40 Credits

This certificate program is designed for students who have had previous business experience and will allow them to increase their ability to achieve the goal of medical office manager. Students in this program must complete all required classes with a grade of 2.0 or higher, and some prerequisites may be needed to enter the required classes. Students may enter this program at the beginning of any quarter.

Contact: Julie Slettvet, ext. 4687
 jslettvet@greenriver.edu
 Susan Kolwitz, ext. 4375
 skolwitz@greenriver.edu

Dept./No.	Course Title	Credits
Acct 110	Practical Financial Accounting 1	5
Bus 166	Human Relations and Work Readiness	5
Bus E 130	Business Correspondence	5
Bus E 245	Medical Office Procedures	5
Bus E 266	Inside Microsoft Office	5
Cmst& 210	Interpersonal Communication	5
Electives: Select 10 credits from the following courses to total 40 credits:		
AP 100 or AP 102	Survey of Human Anatomy-Physiology or Bringing Anatomy and Physiology to Life	5
Bus E 100	Fundamentals of Computers	5
Bus E 110	Business Math Applications	5
Bus E 112	Beginning Word	5
Bus E 122	Medical Machine Transcription	5
Bus E 140	Records Management	5
Bus E 142	Basic Concepts of Healthcare Delivery Systems	5
Bus E 143	Medical/Legal Aspects of Health Information	5
Bus E 145	ICD Medical Coding	5
Bus E 146	CPT Medical Coding	5
Bus E 150	Introduction to Windows	5
Bus E 162	Introduction to Excel	5
Bus E 185	Introduction to Microsoft Access	5
Bus E 214	Introduction to Information Security	5
Bus E 250	Office Administration	5
Bus E 255	Advanced Word	5
Engl 108	Medical Terminology	2

Medical Transcriptionist
Certificate of Proficiency
44 Credits

The certificate program provides students an opportunity to develop essential medical transcription skills. After completing this program, students will be qualified to secure employment as a medical transcriptionist in an entry level 1 position. Students in this program must complete all required classes with a grade of 2.0 or higher. Many of these credits may be applied to other Business Education degree programs. Students may enter this program at the beginning of any quarter.

Contact: Susan Kolwitz, ext. 4375
 skolwitz@greenriver.edu

Dept./No.	Course Title	Credits
* Keyboarding skill demonstrated at 70 wpm during a 5-minute typing test with 5 or less errors		
AP 100 or	Survey of Human Anatomy-Physiology or	
AP 102 or	Bringing Anatomy and Physiology to Life or	
AP 103	Essentials of Human Anatomy-Physiology 1	5
Bus E 100	Fundamentals of Computers	5
Bus E 112	Beginning Word	5
Bus E 122	Medical Machine Transcription	5
Bus E 123	Advanced Medical Machine Transcription	5
Bus E 124	Medical Transcription Production	5
Bus E 126	Pharmaceutical Basics	2
Bus E 130 or	Business Correspondence or	
Engl 105	Grammar and Usage	5
Bus E 245	Medical Office Procedures	5
Engl 108	Medical Terminology	2
Electives:		
† Bus E 101	Beginning Typing/Keyboarding	5
† Bus E 102	Intermediate Keyboarding	5
* Bus E 107	Typing Speed and Accuracy 1	4
* Bus E 108	Typing Speed and Accuracy 2	4
Bus E 111	Personal Computing	3
Bus E 115	Professional Image Building	1
Bus E 130	Business Correspondence	5
Bus E 132	Business Communication Applications	5
Bus E 145	ICD Medical Coding	5
Bus E 146	CPT Medical Coding	5
Bus E 150	Introduction to Windows	3
Bus E 177 and	Business Education Work Experience 1 and	5
Coop 171	Work Experience Seminar	1
Bus E 214	Introduction to Information Security	5
Bus E 255	Advanced Word	5
Bus E 266	Inside Microsoft Office	5
Engl 105	Grammar and Usage	5

† Credit by advanced placement may be granted in typing/keyboarding after departmental review of prior training.

* Student unable to meet the minimum typing speed requirement for the certificate may take Bus E 107 and 108 to fulfill the typing test requirement.

Students may choose the advanced computer applications course as an alternative to the introductory application course requirement such as Bus E 255 in place of Bus E 112; Bus E 266 in place of Bus E 100.

An internship opportunity is available to interested students who choose to take Bus E 177 and Coop 171. Thirty hours of work equals 1 credit.

Natural Resources
Associate in Applied Science Degree
120 Credits

This degree program prepares graduates to work in a variety of outdoor careers. The growing awareness of water quality, wetland protection, reforestation and environmentally sensitive timber harvest requires the services of technicians with a broad knowledge base. People who are trained to measure and sample the forest, its wildlife, streams and wetlands will enhance their employment opportunities. Wildlife biologists and professional foresters need technicians to efficiently produce accurate data. Park managers need knowledgeable personnel to perform maintenance duties and interpret wildland ecology for the public. Wildland firefighters are needed with current certificates of knowledge and skills.

Students may enter these professional technical programs at the beginning of any quarter: Natural Resources with emphasis in forestry technology, and specialties in Natural Resources-GIS, Park Management, Water Quality, and Wildland Fire.

All courses apply to the Associate in Arts degree as elective courses and may be transferable to a four-year natural resources program.

Completion of high school algebra and trigonometry courses or equivalent is recommended before beginning this program.

Students can also earn an Associate in Pre-Professional degree in Natural Resources. See page 55.

Contact: Dick Hopkins Rob Sjogren, ext. 4582
 dhopkins@greenriver.edu rsjogren@greenriver.edu

Dept./No.	Course Title	Credits
Complete the following courses as soon as possible, or mix into schedule:		
# Cmst& 220	Public Speaking	5
# Engl& 101	English Composition I	5
Engl 128	Research Writing: Science/Engineering/Business	5
FIRST YEAR		
Fall Quarter		
Natrs 100	Introduction to Natural Resources	5
Natrs 172	Computer Applications Overview	4
Natrs 183	Tree and Shrub Identification	5
Natrs 197	Wildland Recreation	4
Winter Quarter		
Natrs 161	Wildlife Habitat Management	5
# Natrs 180	Natural Resources Measurement	7
Natrs 270	Stream and Wetland Ecology	5
Spring Quarter		
Natrs 181	Forest Navigation and Mapping	8
Natrs 182	Air Photo Interpretation and Remote Sensing	5
Natrs 184	Shrub and Wildflower Identification	5
P E 113	Group Dynamic Activities (taken concurrently with Natrs 181)	1
SECOND YEAR		
Fall Quarter		
Natrs 285	Forest Protection	5
# Natrs 286	Natural Resources Business Principles	5
Natrs 292	Resource Sampling and Appraisal	8
Winter Quarter		
GIS 291	GIS Project Planning	2
Natrs 210	Introduction to Soils	5
Natrs 284	Road and Trail Engineering	6
Natrs 290	Internship Seminar	1
Natrs 293	Silvicultural Analysis	5
Spring Quarter		
Natrs 294	Natural Resources Internship	14

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

Avia 123	Aviation Weather	5
Bus E 100	Fundamentals of Computers	5
Engr 106	Introduction to Engineering Problems	3
Fores 114	Chainsaw Operation and Maintenance	1
GIS	Any GIS Class	2-5
HI Ed 190	Standard First Aid/CPR	3
Natrs 121	Introduction to Community Forestry	4
Natrs 122	Urban Ecology	3
Natrs 123	Landscape Planning and Practices	3
Natrs 130	Wildland Firefighter Training I-100 and S-130/190	4
Natrs 134	Intermediate Wildland Fire Behavior S-290	3
Natrs 162	Biology and Conservation of Birds	3
Natrs 198-199	Independent Study-Natural Resources 1-2	1-5
Natrs 297-299	Independent Study-Natural Resources 4-6	1-5
St Sk 110	College Success Strategies	5

Satisfies related instruction requirements.

Note: Students may enter the Natural Resources Program in any quarter, however many Natural Resources courses are only offered one time each year. Correct sequencing is important!

Natural Resources – Geographic Information Systems Option Associate in Applied Science Degree 115 Credits

This degree program prepares graduates to work outside collecting data using electronic equipment such as Global Positioning Systems (GPS) or ArcPad, laser range-finders, and data-loggers. Students will also work inside a computer, downloading the data collected into databases to produce Geographic Information Systems (GIS) computer-generated maps for public and private entities.

Contact: Sabah Jabbouri, ext. 4854 Dick Hopkins, ext. 4509
sjabbouri@greenriver.edu dhopkins@greenriver.edu

Rob Sjogren, ext. 4582
rsjogren@greenriver.edu

Dept./No	Course Title	Credits
FIRST YEAR		
Fall Quarter		
# Engl& 101	English Composition I	5
GIS 121	Introduction to GIS	5
Natrs 100	Introduction to Natural Resources	5
Natrs 172	Computer Applications Overview	4
Winter Quarter		
GIS 260	Cartography-Based GIS	5
# Natrs 180	Natural Resources Measurement	7
Natrs 270	Stream and Wetland Ecology	5
Spring Quarter		
GIS 220	GIS Modules Analyst	5
Natrs 181	Forest Navigation and Mapping	8
Natrs 182	Aerial Photo Interpretation and Remote Sensing	5
P E 113	Group Dynamic Activities (taken concurrently with Natrs 181)	1
SECOND YEAR		
Fall Quarter		
GIS 250	Data and Spatial Database Design	5
Natrs 285	Forest Protection	5
# Natrs 286	Natural Resources Business Principles	5
Natrs 292	Resource Sampling and Appraisal	8

Winter Quarter

# Cmst& 220	Public Speaking	5
Engl 128	Research Writing: Science/Engineering/Business	5
GIS 202	GIS Fundamentals and Theory	5
GIS 291	GIS Project Planning	2
Natrs 290	Internship Seminar	1

Spring Quarter

GIS 270	GIS in the Field 1	5
Natrs 294	Natural Resources Internship	14

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

Bus E 101	Beginning Typing/Keyboarding	5
Fores 114	Chainsaw Operation and Maintenance	1
Geog 120	Introduction to Physical Geography	5
HL Ed 190	Standard First Aid CPR	3
Natrs 198-197 or	Independent Study-Natural Resources 1-2 or	
Natrs 297-299	Independent Study-Natural Resources 4-6	1-5
St Sk 110	College Success Strategies	5

Satisfies related instruction requirements.

Natural Resources – Park Management Associate in Applied Science Degree 117 Credits

This degree program prepares graduates to work in state, private, county, municipal, and federal parks as assistant park rangers and in associated positions. Park management includes interpreting plant and animal ecology to the general public. Rangers are responsible for constructing and maintaining trails, campgrounds, and facilities. They collect fees, explain and enforce park rules, and promote public safety.

Contact: Dick Hopkins, ext. 4509 Rob Sjogren, ext. 4582
dhopkins@greenriver.edu rsjogren@greenriver.edu

Dept./No.	Course Title	Credits
Complete the following courses as soon as possible, or mix into schedule:		
# Cmst& 220	Public Speaking	5
# Engl& 101	English Composition I	5
Engl 128	Research Writing: Science/Engineering/Business	5
FIRST YEAR		
Fall Quarter		
Natrs 100	Introduction to Natural Resources	5
Natrs 172	Computer Applications Overview	4
Natrs 183	Tree and Shrub Identification	5
Natrs 197	Wildland Recreation	4
Winter Quarter		
Natrs 161	Wildlife Habitat Management	5
# Natrs 180	Natural Resources Measurement	7
Natrs 270	Stream and Wetland Ecology	5
Spring Quarter		
Natrs 181	Forest Navigation and Mapping	8
Natrs 182	Air Photo Interpretation and Remote Sensing	5
Natrs 184	Shrub and Wildflower Identification	5
P E 113	Group Dynamic Activities (taken concurrently with Natrs 181)	1
SECOND YEAR		
Fall Quarter		
Geol& 101	Introduction to Physical Geology	5
Natrs 285	Forest Protection	5
# Natrs 286	Natural Resources Business Principles	5

Winter Quarter

GIS 291	GIS Project Planning	2
Natrs 284	Road and Trail Engineering	6
Natrs 290	Internship Seminar	1
Natrs 293	Silvicultural Analysis	5
Soc& 101	Introduction to Sociology	5

Spring Quarter

Natrs 294	Natural Resources Internship	14
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To enhance the student's preparation for future employment, the following are recommended:

Avia 123	Aviation Weather	5
Bus E 100	Fundamentals of Computers	5
Fores 114	Chainsaw Operation and Maintenance	1
Geol 200	Geological Investigation of National Parks	5
Geol& 208	Geology of Pacific Northwest	5
GIS	Any GIS course	2-5
HI Ed 190	Standard First Aid/CPR	3
Natrs 121	Introduction to Community Forestry	4
Natrs 122	Urban Ecology	3
Natrs 123	Landscape Planning and Practices	3
Natrs 162	Biology and Conservation of Birds	3
Natrs 198-199	Independent Study-Natural Resources 1-2	1-5
Natrs 271	Stream and Wetland Restoration	5
Natrs 292	Resource Sampling and Appraisal	8
Natrs 297-299	Independent Study-Natural Resources 4-6	1-5
St Sk 110	College Success Strategies	5
Other	Small Engine Repair, Basic Carpentry, Plumbing Wiring	

Satisfies related instruction requirements.

Note:

1. Substitutions of required courses may be made with the department's prior approval when it is agreed that the student's suitability for employment will be enhanced.
2. Students may enter the Natural Resources program in any quarter, however many Natural Resources courses are only offered one time each year. Correct sequencing is important!

**Natural Resources –
Water Quality
Associate in Applied Science Degree
118 Credits**

This degree program prepares graduates to work in a variety of outdoor careers. Graduates monitor stream, lake, and wetland systems for water quality and functions by physical, biological, and chemical parameters. They identify plants and animals using taxonomic keys. They assist with wetland delineation and GPS/map their location. Graduates also apply and follow environmental regulations regarding stream and wetland protection.

Contact: Dick Hopkins, ext. 4509 Rob Sjogren, ext. 4582
dhopkins@greenriver.edu rsjogren@greenriver.edu

Dept./No.	Course Title	Credits
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Complete the following courses as soon as possible, or mix into schedule:

# Cmst& 220	Public Speaking	5
# Engl& 101	English Composition I	5
Engl 128	Research Writing: Science/Engineering/Business	5

FIRST YEAR

Fall Quarter

Natrs 100	Introduction to Natural Resources	5
Natrs 172	Computer Applications Overview	4
Natrs 183	Tree and Shrub Identification	5
Natrs 197	Wildland Recreation	4

Winter Quarter

Fores 114	Chainsaw Operation and Maintenance	1
Natrs 161	Wildlife Habitat Management	5
# Natrs 180	Natural Resources Measurements	7
Natrs 270	Stream and Wetland Ecology	5

Spring Quarter

Natrs 181	Forest Navigation and Mapping	8
Natrs 182	Air Photo Interpretation and Remote Sensing	5
Natrs 184	Shrub and Wildflower Identification	5
Natrs 271	Stream and Wetland Restoration	5
P E 113	Group Dynamic Activities (taken concurrently with Natrs 181)	1

SECOND YEAR

Fall Quarter

Natrs 272	Fish Identification and Habitat	5
Natrs 285	Forest Protection	5
# Natrs 286	Natural Resources Business Principles	5

Winter Quarter

GIS 291	GIS Project Planning	2
Natrs 284	Road and Trail Engineering	6
Natrs 290	Internship Seminar	1
Natrs 293	Silvicultural Analysis	5

Spring Quarter

Natrs 294	Natural Resources Internship	14
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To enhance the student's preparation for future employment, the following are recommended:

Any course	Biology, Chemistry, and Geology	5 ea
Any course	GIS	3-8
Avia 123	Aviation Weather	5
Engl 100	Fundamentals of Computers	5
Geog 120	Introduction to Physical Geography	5
HI Ed 190	Standard First Aid/CPR	3
Natrs 121	Introduction to Community Forestry	4
Natrs 122	Urban Ecology	3
Natrs 123	Landscape Planning and Practices	3
Natrs 162	Biology and Conservation of Birds	3
Natrs 198-199	Independent Study-Natural Resources 1-2	1-5
Natrs 292	Resource Sampling and Appraisal	8
Natrs 297-299	Independent Study-Natural Resources 4-6	1-5
St Sk 110	College Success Strategies	5

Satisfies related instruction requirements.

Note:

1. Substitutions of required courses may be made with the department's prior approval when it is agreed that the student's suitability for employment will be enhanced.
2. Students may enter the Natural Resources program in any quarter, however many Natural Resources courses are only offered one time each year. Correct sequencing is important!

**Natural Resources –
Wildland Fire**
Associate in Applied Science Degree
115 Credits

This degree program prepares graduates to perform fire prevention and educational activities. They serve as crew members or leaders of aerial, engine, or ground wildland fire crews.

Contact: Dick Hopkins, ext. 4509 Rob Sjogren, ext. 4582
dhopkins@greenriver.edu rsjogren@greenriver.edu

Dept./No.	Course Title	Credits
Complete the following courses as soon as possible, or mix into schedule:		
# Engl& 101	English Composition I	5
Engl 128	Research Writing: Science/Engineering/Business	5
FIRST YEAR		
Fall Quarter		
Natrs 100	Introduction to Natural Resources	5
Natrs 172	Computer Applications Overview	4
Natrs 183	Tree and Shrub Identification	5
Winter Quarter		
Fores 114	Chainsaw Operation and Maintenance	1
Natrs 161	Wildlife Habitat Management	5
# Natrs 180	Natural Resources Measurements	7
Natrs 270	Stream and Wetland Ecology	5
Spring Quarter		
Natrs 130	Wildland Firefighter Training I-100 and S-130/190	4
Natrs 134	Intermediate Wildland Fire Behavior S-290	3
Natrs 181	Forest Navigation and Mapping	8
Natrs 182	Air Photo Interpretation and Remote Sensing	5
P E 113	Group Dynamics Activity (Taken concurrently with Natrs 181)	1
Summer Quarter: Wildfire experience required		
SECOND YEAR		
Fall Quarter		
# Cmst& 220	Public Speaking	5
Natrs 285	Forest Protection	5
# Natrs 286	Natural Resources Business Principles	5
Winter Quarter		
GIS 291	GIS Project Planning	2
Natrs 131	Advanced Wildland Firefighter Training S-131	1
Natrs 132	Wildland Firefighter Crew Boss S-230	2
Natrs 133	Wildland Firefighter Engine Boss S-231	1
Natrs 284	Road and Trail Engineering	6
Natrs 290	Internship Seminar	1
Natrs 293	Silvicultural Analysis	5
Spring Quarter		
Natrs 184	Shrub and Wildflower Identification	5
Natrs 294	Natural Resources Internship	14
To enhance the student's preparation for future employment, the following are recommended:		
Avia 123	Aviation Weather	5
Bus E 100	Fundamentals of Computers	5
Engr 106	Introduction to Engineering Problems	3
GIS	Any GIS course	2-5
HI Ed 190	Standard First Aid/CPR	3
Natrs 162	Biology and Conservation of Birds	3
Natrs 197	Wildland Recreation	4
Natrs 198-199	Independent Study-Natural Resources 1-2	1-5

Natrs 292	Resource Sampling and Appraisal	8
Natrs 297-299	Independent Study-Natural Resources 4-6	1-5
Phys 110	Introduction to College Physics	5
St Sk 110	College Success Strategies	5

Satisfies related instruction requirements.

Note:

1. Substitutions of required courses may be made with the department's prior approval when it is agreed that the student's suitability for employment will be enhanced.
2. Students may enter the Natural Resources program in any quarter, however many Natural Resources courses are only offered one time each year. Correct sequencing is important!

**Natural Resources –
Community Forestry**
Certificate
35 Credits

This certificate program prepares graduates to work in vocations requiring skills and knowledge to protect and manage green spaces, parks, recreation areas, riparian zones, wetlands, wildlife management areas, and forest reserves in urban and suburban environments.

Note: This certificate does not qualify for federal financial aid or veteran's funding, unless the certificate or courses is applied towards an Associate in Arts or Associate Development degree.

Contact: Dick Hopkins, ext. 4509 Rob Sjogren, ext. 4582
dhopkins@greenriver.edu rsjogren@greenriver.edu

Dept./No.	Course Title	Credits
Fall Quarter		
Natrs 121	Introduction to Community Forestry	4
Natrs 183	Tree and Shrub Identification	5
Winter Quarter		
Fores 114	Chainsaw Operation and Maintenance	1
† Natrs 120 or Natrs 271	Riparian Restoration or Stream and Wetland Restoration	5
Natrs 122	Urban Ecology	3
Natrs 197	Wildland Recreation	4
Natrs 270	Stream and Wetland Ecology	5
Spring Quarter		
Natrs 123	Landscape Planning and Practices	3
* Natrs 184 or * Natrs 185	Shrub and Wildflower Identification or Shrub and Flower Systematics	5

Summer: Work experience

* Students may substitute Natrs 184 for Natrs 185.

† Natrs 271 may be substituted for Natrs 120. Natrs 271 is offered during Spring Quarter only.

Occupational Therapy Assistant

Associate in Applied Science Degree

124-129 Credits

Occupational therapy is a health discipline that provides services to people whose lives have been disrupted by physical injury, illness, and developmental, psychosocial, or aging-related problems. "Occupational" in this sense does not necessarily refer to a person's employment. Instead, it means therapy that enables a person to gain the function necessary to perform day-to-day work, self-care and leisure activities as related to one's roles. Occupational therapy assistants are often part of a health team that not only includes an occupational therapist but may also include physicians, nurses, social workers, teachers, physical therapists and other specialists. Besides preparing to become occupational therapy assistants, students in this program learn many skills that will serve in other helping careers.

Occupational therapy assistants are employed at public schools, long-term care centers, hospitals, rehabilitation centers and geriatric day centers to name a few. Assistants work under the supervision and consultation of an occupational therapist to provide patient treatments. They also provide assistance with patient assessments.

The Occupational Therapy Assistant program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, P. O. Box 31220, Bethesda, MD 20824-1220. AOTA's phone number is (301) 652-AOTA. Graduates of the program will be able to sit for the national certification examination for occupational therapy assistants administered by the National Board for Certification of Occupational Therapy (NBCOT) located at 800 South Frederick Avenue, Suite 200, Gaithersburg, MD 20877-4150. After successful completion of this examination, the graduate will be a Certified Occupational Therapy Assistant (COTA). Washington state requires licensure in order to practice.

Felony convictions may affect a graduate's ability to sit for the NBCOT certification examination and attain state licensure. NBCOT offers an Early Determination Review to individuals who (1) have been charged with or convicted of felony, (2) have had any professional license, registration or certification revoked, suspended or subject to probationary conditions by a regulatory authority or certification board, and/or (3) have been found by any court, administrative or disciplinary proceeding to have committed negligence, malpractice, recklessness or willful or intentional misconduct which resulted in harm to another.

An individual who is considering entering the Green River Community College Occupational Therapy Assistant program, or has already entered the program but is not yet eligible to apply for the certification examination, may have his or her character information reviewed prior to actually applying for the examination by requesting the review. The fee for the review is \$100; a payment form can be found on NBCOT's Web site, www.nbcot.org, under "Forms."

New students are admitted once a year. Level 2 fieldwork requirements must be completed within 18 months of academic courses.

Program Application:

Applications are accepted beginning January 1st for the spring start program and February 15th for the fall program. Applications are accepted until the program is filled. When the program fills, applicants will be placed on alternate list.

OTA program admission requirements and the application process are subject to change from year to year. If you are planning to apply for a later year, the packet will provide guidelines for the application process. The application packet is updated each fall for the following year and it is the applicant's responsibility to be aware of current application requirements.

1. Candidates may apply when they have earned a minimum of 15 quarter credits in program prerequisite courses with a minimum grade of 2.0 in each course and a cumulative GPA of at least 2.5 (grades on 4.0 scale).

2. Prerequisite courses for the OTA program are:
 - a. Anatomy and Physiology 1 and 2
 - b. English
 - c. Psychology, sociology, or communications studies
3. Submission of a one page statement describing applicant's interest and knowledge in the field.
4. If space permits, students may opt to complete the OTA program on a part-time basis over the course of 10 quarters. In this case students will follow a prescribed course sequence as directed by the OTA Program advisor.

Selection Process:

Students who satisfy the above requirements will be selected based on academic preparation, GPA, and familiarity with occupational therapy including the essential functions of the occupational therapy assistant student. The procedures used in selection, evaluation, and retention do not discriminate and are consistent with the process of Green River Community College.

Does the program transfer to four-year schools?

The classes for the Occupational Therapy Assistant program are not designed to transfer. Students who seek occupational therapy degrees should pursue a Bachelor's degree and then attend an occupational therapy program.

Contact: Noel Hepler, ext. 4341 Jennifer Lewis, ext. 4839
 nhepler@greenriver.edu jlewis@greenriver.edu

Jenny Nybold, ext.4933 Career and Advising Center, ext. 2641
 jnyblod@greenriver.edu

Dept./No.	Course Title	Credits
First Quarter		
H Sci 150	Human Life Span Growth and Development	5
O T 100	Introduction to Occupational Therapy	3
O T 110	Fundamentals of OT as Health Care Providers	4
Second Quarter		
H Sci 104	Fundamentals of Gerontology	4
O T 102	Physical Disabilities 1	4
O T 109	Developmental Disabilities	4
Third Quarter		
O T 105	Clinical Seminar 1	1
O T 106	Professional Advocacy Experience	1
O T 108	Psychosocial Dysfunction	5
O T 115	Therapeutic Activities 1	3
O T 116	Physical Disabilities 2	5
O T 177	Application of Occupational Therapy Co-op Experience 1	1
Fourth Quarter		
O T 178	Application of Occupational Therapy Co-op Experience 2	1
O T 202	Ethics, Value and Responsibility in Health Care	3
O T 204	Application of Activities	5
O T 206	Clinical Seminar 2	1
O T 215	Work Place Issues	3
Fifth Quarter		
O T 210	Therapeutic Adaptations	5
O T 211	Pre-Fieldwork Experience Seminar	2
O T 212	Therapeutic Activities 2	3
O T 220	Therapeutic Group Leadership	2
Sixth Quarter		
# O T 250	Fieldwork Experience Seminar 1	1
# O T 277	Co-op Fieldwork Experience 1	12
Seventh Quarter		
# O T 251	Fieldwork Experience Seminar 2	1
# O T 278	Co-op Fieldwork Experience 2	12

Required Supporting Courses:

* Computers	Any Computer Course	0-3
AP 103	Essentials of Human Anatomy and Physiology 1	5
AP 104	Essentials of Human Anatomy and Physiology 2	5
# Cmst 100 or	Fundamentals of Oral Communication or	
Cmst& 210 or	Interpersonal Communications or	
Cmst& 220 or	Public Speaking or	
Cmst& 230	Small Group Communication	5
# Engl& 101 or	English Composition 1 or	
Engl 109	Writing for Trades and Professional/Technical Degrees	5
# Acomp or	Any Acomp or Math course 100 or higher or	
B A 145 or	Business Computation or	
Bus E 110 or	Business Math Applications or	
Math& 141	Precalculus 1	3-5
Psyc& 100	General Psychology	5

One of the following is required:

Ames 100	Introduction to Ethnic and Minority Studies	(5)
Anth& 100	Survey of Anthropology	(5)
Anth& 206	Cultural Anthropology	(5)
Anth& 235	Cross-Cultural Medicine	(5)
Cmst 238	Intercultural Communication	(5)
Engl 127	Writing: Social Sciences	(5)
Engl 160	Literature By and About Women	(5)
Geog 108	Introduction to Human Geography	(5)
Geog 200	World Regional Geography	(5)
Human 110	Background for the Humanities	(5)
Human 133	People, Language, Culture	(5)
Human 186	Peoples of the World	(5)
Phil 102	Contemporary Moral Problems	(5)
Phil 110	Social and Political Philosophy	(5)
Soc& 101	Introduction to Sociology	(5)
Soc& 201	Social Problems	(5)

Electives: (Instructor's permission required.)

O T 194	Special Topics	1-2
O T 198	Independent Study-Occupational Therapy	1

Satisfies related instruction requirements.

* May be waived by program advisor upon demonstration of computer competency.

**Physical Therapist Assistant
Associate in Applied Science Degree
110-112 Credits**

This degree program awards an Associate in Applied Science degree and is accredited by the Commission on Accreditation in Physical Therapy education. Once students begin PTA classes, they typically complete the program in two years with 110-112 credits, depending on previous college work. PTA program courses must be taken in sequence and are only offered to students who are accepted into the PTA Program. The program admits a class of 32 each fall quarter. Admission is by application and applicants are evaluated based on academic preparation and familiarity with physical therapy.

PTA program students must earn a minimum of 2.0 in all required courses. After graduating from the program students are eligible to apply for licensure and sit for the PTA licensing examination, which is given nationally. Most states require licensure of PTAs, and may have requirements in addition to the licensure examination. Washington state requires PTA licensure.

The PTA, under the supervision of a licensed physical therapist, treats individuals with physical limitations to relieve pain and restore function. Physical therapist assistants work in hospitals, rehabilitation centers, school systems, private physical therapy practices, home health care agencies, and sports medicine facilities. Prospective students must complete the admissions prerequisites and apply for the Physical Therapist Assistant program. Please contact the Pre-PTA Program Advisor in the Career and Advising Center at ext. 2641 or the PTA program website at www.instruction.greenriver.edu/PTA for specific information. Requirements are subject to change.

Application Requirements:

The minimum requirements to submit an application for the PTA program include:

- 15-quarter credits in program prerequisite courses which MUST include Anatomy/Physiology (AP) 1 AP 103 or BIOL& 241 or course equivalent.
- A minimum grade of 2.0 in each prerequisite course.
- A college-level cumulative grade point average of at least 2.5 (on a 4.0 scale).
- Documentation of at least 20 hours of volunteer experience or job shadow in PHYSICAL THERAPY or employment in physical therapy or a closely-related field (CNA, LMP, personal trainer, RN, etc).

Students may apply for the PTA program while they are completing prerequisite courses IF the above requirements have been completed. There is an application deadline which is published annually, please refer to the program website. Late applications are accepted and qualified applicants are admitted or placed on a waiting list based on space available.

The required prerequisites are as follows:

- Human Anatomy and Physiology 1 & 2
The prerequisite requires 10 quarter-credits (or equivalent) of human anatomy and physiology with a lab. The minimum courses meeting this requirement at GRCC are AP 103 and 104. Biol& 241 (AP I) and Biol& 242 (AP II) also meet this prerequisite. These courses should be completed within 5 years prior to applying to the program and completed at the same institution.
- Speech Communication
The courses meeting this requirement at GRCC include: Cmst 100, Cmst& 210, Cmst& 220, Cmst& 230 or Cmst 238. Equivalent communication/speech courses with less than 5 quarter credits should be verified with the pre-PTA program advisor. Please be advised that Cmst 100 may not transfer to a university.
- English Composition
This requirement may be completed by taking either English Composition I (Engl& 101 or equivalent transferable course) or Writing for Trades/Professional Technical Degrees (Engl 109). Students who complete an equivalent course of less than 5 quarter credits will not meet this requirement and subsequently be ineligible for graduation. English 126, 127, and 128 at GRCC (or their equivalent) will also meet this requirement. Please be advised that Engl 109 may not transfer to a university (5 composition credits required)
- Math (choose 1 of 2 options)
Option 1: Any college-level Math course (most math courses numbered 100 or above) *OR*
Option 2: Complete one of the following: Bus E 110, B A 145 or Acomp 100N and eligibility for Math 072 (Elementary Algebra) by COMPASS score or completion of Math 070 or higher with a grade of 2.5 or higher.

Students who satisfy the above requirements will be selected based on academic preparation, COMPASS scores, GPA, and familiarity or experience with physical therapy or closely-related field requirements. Please access the Web site www.instruction.greenriver.edu/PTA/ or consult the Pre-PTA Program Advisor for the most current information.

Candidates who have not completed all prerequisites at the time of application must submit their plan (see PTA Application) for the completion of the required courses prior to the beginning of the program. Applicants may be considered for provisional acceptance when at least 15 quarter credits including AP 1 are completed with a grade of 2.0 or higher. Candidates who have provisional acceptance must complete AP 2 and any remaining prerequisites with a grade of 2.0 or higher or their standing will be lost. Candidates are considered as fully qualified for acceptance when all prerequisites are completed satisfactorily.

The PTA program complies with the “Child/Adult Abuse Information Act,” RCW 43.43.830 through 43.43.840. Authorization for a background check is required of each applicant. Some convictions may disqualify students from clinical placements and therefore program completion and licensure. Some clinics require additional background checks and drug testing. Individuals whose background checks identify a record of convictions will be required to meet with a faculty member to discuss the findings prior to admission into the program.

Contact: Barbara Brucker, ext. 4343 Josh Staffieri, ext. 2641
 bbrucker@greenriver.edu jstaffieri@greenriver.edu

www.greenriver.edu/programs/a-z/info/pta/shtm.

Dept./No.	Course Title	Credits
FIRST YEAR		
Fall Quarter		
H Sci 102	Applied Anatomy	5
P T 101	Introduction to Physical Therapy	3
# P T 102	Therapeutic Interaction in Health Care	2
P T 105	Patient Care Skills	3
Winter Quarter		
H Sci 150	Human Life Span, Growth and Development	5
P T 110	Principles of Physical Therapy Agents 1	5
P T 114	Tests and Measurements	2
P T 130	Survey of Pathophysiology 1	3
Spring Quarter		
H Sci 101	Neuroscience	3
P T 111	Principles of Physical Therapy Agents 2	6
P T 113	Posture and Movement	4
P T 131	Survey of Pathophysiology 2	2
P T 151	Clinical Preparation	1
SECOND YEAR		
Fall Quarter		
P T 112	Functional Training	2
P T 201	Issues in Health Care	3
P T 210	Therapeutic Exercise	5
P T 212	Acute Care	3
# P T 251	Clinical Supervision 1	1
PT 277	Clinical Affiliation 1	1
Winter Quarter		
P T 211	Advanced Rehabilitation Procedures	6
P T 213	Orthopedic Therapy	5
# P T 252	Clinical Supervision 2	1
P T 278	Clinical Affiliation 2	1
Spring Quarter		
# P T 253	Clinical Supervision 3	1
P T 279	Clinical Affiliation 3	7
P T 280	Clinical Affiliation 4	7
Required Supporting Course/Prerequisites:		
# Acomp 100N or Acomp 100T or B A 145 or Bus E 110 or Math	Computation for Practical Nursing or Computation for the Trades or Business Computation or Business Math Applications or Any college-level Math class numbered 100 or higher	3-5
* AP 103 and AP 104	Essentials of Human Anatomy and Physiology 1 and 2	
Biol& 241 and Biol& 242	Human Anatomy and Physiology 1 and 2	10
# Cmst 100 or Cmst& 210 or Cmst& 220 or Cmst& 230 or Cmst 238	Fundamentals of Oral Communication or Interpersonal Communication or Public Speaking or Small Group Communication or Intercultural Communication	5

Engl& 101 or
Engl 109 or

Engl 126 or
Engl 127 or
Engl 128

English Composition 1 or
Writing for Trades and Professional/Technical
Degrees or
Writing: Humanities or
Writing: Social Sciences or
Research Writing: Science/Engineering/Business 5

Satisfies related instruction requirements.

* Central Washington University courses ExSci 250 and ExSci 351 and Washington State University courses MvtSt 262 and MvtSt 380 meet the AP 103 and AP 104 PTA degree requirement at Green River Community College.

Practical Nursing Certificate 103-108 Credits

The certificate program prepares a student to provide safe and efficient nursing care. Health facilities such as hospitals, nursing homes, clinics and public health nursing services employ practical nurses under the supervision of a registered nurse or physician.

A multimedia system of individualized instruction, offering stated objectives with a wide range of learning experiences to accomplish each objective is provided.

The Practical Nursing program is a 103 to 108-credit program in which students must demonstrate academic proficiency by completing basic curriculum requirements prior to entry into the core sequence of nursing classes. A high school diploma or GED is required, and a physical exam is required after entrance into the core program. A minimum grade of 2.3 is required in each nursing and supporting course. Evidence of academic proficiency is established by completion of each of the following curriculum requirements with a 2.3 grade or higher.

The following courses are required prior to entry into the Practical Nursing program:

- AP 103 and 104, or Biol& 241 and Biol& 242 (10 credits);
- Read 094 or 104, Reading Mastery (5 credits), or college-level reading ability as measured by COMPASS assessment;
- Engl 108, Medical Terminology (2 credits). Placement into Engl 108 is based upon a spelling placement test* or completion of Engl 090, Spelling Improvement; and
- Acomp 100N, Computation for Practical Nurses (3 credits). Placement into Acomp 100N is based on an appropriate COMPASS score or by completion of Math 062 (5 credits).

It is recommended that the remaining curriculum requirements also be taken prior to entry into the core coursework; however, a student may choose to enroll in these courses later in the program:

- Communication Studies (5 credits). Choose from Cmst 100, &210, &220, or &230.
- English Composition (5 credits). Choose from Engl& 101, Engl 109, 126, 127, or 128.

The student is expected to provide his or her own transportation to off-site clinical facilities. In addition to paying for tuition and books, the student is required to purchase a uniform, pin, white shoes, watch, bandage, scissors, and liability insurance. For additional information about a required nursing orientation and the application procedure, contact the Health Science curriculum advisor in the Career and Advising Center at ext. 2639.

Upon successful completion of the required credits, the student will earn a certificate in Practical Nursing. The graduate will be eligible to take the licensing examination and upon passing, practice as a Licensed Practical Nurse. Application for LPN licensure asks information regarding legal convictions, and drug and alcohol and addiction conditions that may

inhibit nursing practice. For additional questions on this issue, contact the Washington state Nursing Care Quality Assurance Commission. The program is fully accredited by the Washington State Nursing Care Quality Assurance Commission and the Northwest Association of Schools and Colleges.

Contact: Julia Short, ext. 4210
jshort@greenriver.edu

Dept./No.	Course Title	Credits
Fall Quarter		
* Nutr& 101	Nutrition	5
Nurse 101	Introduction to Computers in Nursing	1
Nurse 102	Introduction to Clinical Pharmacology in Nursing	3
Nurse 104	Nursing 1 Fundamentals	6
Nurse 105	Community Lab 1	4
# Nurse 116	Nursing Issues and Delivery Systems	3
Nurse 127	Aids/CPR Safety/Inspection Control	2
Winter Quarter		
Nurse 103	Drug Therapy and the Nursing Process	2
Nurse 106	Nursing 2	8
Nurse 107	Nursing 2 – Community Lab 2	8
Nurse 108	Introduction to Computer Case Studies in Nursing	2
Spring Quarter		
H Sci 150	Human Life Span, Growth and Development	5
Nurse 109	Nursing 3 Community Lab 3	8
Nurse 110	Nursing 3	8
Nurse 118	Advanced Computer Case Studies in Nursing	1
Summer Quarter		
# Nurse 112	Nursing 4	6
Nurse 113	Nursing 4 Community Lab 4	6
Curriculum Requirements		
# Acomp 100N	Computation for Practical Nursing	3
AP 103 and 104 or	Essentials of Human Anatomy-Physiology 1 and 2 or	10
Biol& 241 and &242	Human Anatomy-Physiology 1 and 2	
# Cmst 100 or	Fundamentals of Oral Communication or	
Cmst& 210 or	Interpersonal Communication or	
Cmst& 220 or	Public Speaking or	
Cmst& 230	Small Group Communication	5
Engl& 101 or	English Composition I or	
# Engl 109 or	Writing for Trades and Professional/Technical Degrees or	
Engl 126 or	Writing: Humanities or	
Engl 127 or	Writing: Social Sciences or	
Engl 128	Research Writing: Science/Engineering/Business	5
Engl 108	Medical Terminology	2
Read 094	Reading Improvement	0-5

Satisfies related instruction requirements.

* May be taken prior to entrance into the Practical Nursing Program.

Practical Nursing – Nurse Assistant
Certificate of Proficiency
36 Credits

Contact: Julia Short, ext. 4210
jshort@greenriver.edu

Dept./No.	Course Title	Credits
Fall Quarter		
Engl 108	Medical Terminology	2
Nutr& 101	Nutrition	5
Nurse 104	Nursing 1 Fundamentals	6
Nurse 105	Community Lab 1	4

Nurse 106	Nursing 2	8
Nurse 107	Nursing 2 Community Lab 2	8
Nurse 116	Nursing Issues and Delivery Systems	3

Wastewater Technology (AAS)

Wastewater Collection Technology
(Certificate of Proficiency)

Municipal Wastewater Treatment Technology
(Certificate of Proficiency)

Water Supply Technology (AAS)

Water Distribution Technology
(Certificate of Proficiency)

These degree and certificate programs are being discontinued at Green River Community College. Students currently in the program may graduate using the degree requirements in effect during their first quarter of enrollment at Green River Community college for up to six years.

Green River offers a similar program in water supply/distribution and wastewater at our Wastewater Environmental Training Center (WETRC). However, at the time this 2009-2011 catalog was published, these programs were undergoing intensive program redesign. For more information on current offerings, please contact Green River Community College's Wastewater Environmental Training Center (WETRC) at (253) 833.9111, ext. 3370, or visit our Web site at <http://www.wetrc.org/>.

Welding Technology

Associate in Applied Science Degree
100-105 Credits

Upon completion of the two-year program, the student will qualify for an Associate in Applied Science degree. This training will permit the student to seek employment in the welding field as an engineering aide, sales engineer, and structural steel detailer or trade welder. The student will be prepared to advance rapidly to inspection, shop planning, supervision or one of many related fields. With the proper selection of courses, the student can continue his or her education to become a welding engineer. Consultation with the Welding department is required for admission to the program.

Students may enter the Welding Technology program during any quarter, as space is available.

Contact: Scott Schreiber, ext. 4421 sschreiber@greenriver.edu
Jack Danielson, ext. 4257 jdanielson@grcc.ctc.edu

Paul Mueller, ext. 2635
pmueller@grcc.ctc.edu

Dept./No.	Course Title	Credits
First Year		
# Acomp 100T or	Computation for the Trades or Eligible for Math 070 or Completion of Math 062	0-5
# Cmst 100	Fundamentals of Oral Communication	5
# Engl 109	Writing for Trades and Professional/Technical Degrees	5
Weld 141	Basic Arc Welding and Flame	13
Weld 142	Intermediate Arc Welding	13
Weld 143	Advanced Arc Welding	13

Second Year

I E 189	Basic Metallurgy	4
Weld 107	Basic Blueprint Reading	3
Weld 194	Special Welding Project 1	13
Weld 195	Special Welding Project 2	13
Weld 196	Special Welding Project 3	13
# Human Relations	Any course that satisfies the Related Instruction requirements on page 56	5

Satisfies related instruction requirements. For scheduling or transferability reasons, other courses from the current list of Related Instruction requirements may be substituted.

Note: Student must possess a valid first aid card or similar Washington State L&I Training Card upon exiting the program.

**Basic Arc and Flame
Certificate of Proficiency
26 Credits**

Contact: Scott Schreiber, ext. 4421 Jack Danielson, ext. 4257
 sshreiber@greenriver.edu jdanielson@grcc.ctc.edu

Paul Mueller, ext. 2635
 pmueller@grcc.ctc.edu

Dept./No.	Course Title	Credits
Weld 141	Basic Arc and Flame	13
Weld 142	Intermediate Welding	13

**Intermediate Arc and Flame
Certificate of Proficiency
26 Credits**

Contact: Scott Schreiber, ext. 4421 Jack Danielson, ext. 4257
 sshreiber@greenriver.edu jdanielson@grcc.ctc.edu

Paul Mueller, ext. 2635
 pmueller@grcc.ctc.edu

Dept./No.	Course Title	Credits
Weld 142	Intermediate Welding	13
Weld 143	Advanced Arc Welding	13

**Advanced Arc Welding
Certificate of Proficiency
26 Credits**

Contact: Scott Schreiber, ext. 4421 Jack Danielson, ext. 4257
 sshreiber@greenriver.edu jdanielson@grcc.ctc.edu

Paul Mueller, ext. 2635
 pmueller@grcc.ctc.edu

Dept./No.	Course Title	Credits
Weld 194	Special Welding Projects 1	13
Weld 195	Special Welding Projects 2	13

OTHER LEARNING OPTIONS

ASSOCIATE DEVELOPMENT DEGREE (AD)

The Associate Development degree allows students to explore different subject areas as they prepare for a career. The flexibility of the degree allows students to customize course requirements to fit their professional goals while simultaneously ensuring competence in core learning outcome areas. The degree is not intended for students planning to transfer to a university.

Associate Development Degree Requirements

1. Complete a minimum of 90 credits in the courses offered at GRCC.

Basic Education (BASIC), English for Speakers of Other Languages (ESOL), and courses designated as High School Diploma only do not count toward the required 90 credits.

2. Earn a minimum GPA of 2.0.
3. Complete a minimum of 24 credits, including the last quarter “in residence,” at Green River. Online courses are recognized as part of the 24 credits.
4. Remember that no more than 25 percent of the credits may be earned on a pass/no-credit basis.
5. Consider that the credits identified in each of the following options are counted as part of the 90 credits required for the degree. Students must complete one of the following options:

Option 1: Complete a Green River certificate program of 45 credits or more.

Option 2: Complete the following:

- a. A Green River certificate program of 25 credits or more with one course satisfying the written or oral communication requirement of any degree or program at Green River,
- b. One course satisfying the quantitative and symbolic reasoning or computation requirement of any degree or program at Green River, and
- c. One course satisfying the human relations requirement of any degree or program at Green River.

Option 3: Meet with a faculty advisor and custom design a program of study. The program of study must include the following:

- a. Twenty-five credits or more in courses which specifically prepare a student for employment in an identified specialty area. Courses may be from academic, as well as professional/technical areas,
- b. One course satisfying the quantitative and symbolic reasoning or computation requirement of any degree or program at Green River,
- c. One course satisfying the written or oral communication requirement of any degree or program at Green River, and
- d. One course satisfying the human relations requirement of any degree or program at Green River learning outcomes aligning with identified specialty area and selected courses.

Understand that the program of study must be signed by the advisor and the student. The plan becomes a permanent part of each student's record.

GENERAL EDUCATION DEVELOPMENT (GED)

Green River offers GED preparation classes to assist the student in preparing for the tests. Classes are available for students who are 16 years of age or older. Students under the age of 19 must have a high school release form for classes and for testing. Additional information is available online, in the course description portion of this catalog, and in the quarterly class schedule.

The GED is a high school exiting credential. Those earning a GED certificate pass each of five critical thinking tests: language arts-writing, language arts-reading, social studies, science, and mathematics.

The GED is recognized by many employers and colleges. Ninety-five percent of U.S. colleges and universities recognize the GED credential. More than half of the GED test-takers intend to go on to college or postsecondary training. Green River is a test site for the GED. Please contact the Assessment and Testing Center at ext. 2650 for days, times and fees.

HIGH SCHOOL DIPLOMA (HS)

Green River Community College offers a complete schedule of courses that meet the requirements for a high school diploma as defined by the Office of the State Superintendent of Public Instruction and the Washington Board of Education. Students complete the required classes to earn a Washington state Diploma. Students can pursue high school credits in one of two ways:

- Students earn credits at Green River and transfer them back to their high school, for a high school awarded diploma.
- Students earn credits at Green River and apply those credits along with your high school credits to a GRCC awarded high school diploma.

See page 100 for a complete schedule of courses that meets the requirements for a high school diploma.

The GRCC high school diploma program is an alternative way to complete high school. Although it is designed for adult students 19 years and older, students 16-18 can participate. Successful students meet state and Green River requirements for graduation and are issued an official State of Washington high school diploma. Students must earn a minimum of 1 credit at Green River to earn a high school diploma. Reduced tuition may be available for those students 19 years or older.

Application Process

Prospective students should:

1. Submit a completed Green River application to Welcome Center, (253) 333-6000.
2. If age 16, 17, or 18, submit a completed high school release form from the high school you would normally be attending. This is a Green River form that high schools typically have. A letter from school district personnel on official school stationery can be substituted.

3. Obtain and submit "official" copies of all previous high school/college transcripts.

Send transcripts to:

Green River Community College
 Enrollment Services/HSC
 12401 SE 320th Street
 Auburn, WA 98092-3622

Hand-carry your "official" transcripts in an unopened envelope that has been sealed by the school where credit was earned.

4. Complete Green River's assessment (COMPASS.) Call (253) 833-9111, ext. 2650, for a recorded message regarding testing hours. There is a fee of \$12.40 for the COMPASS, and picture identification is required to assess writing, reading, and math skills.
5. Depending on a student's assessment/placement scores, college level classes may be taken to fulfill both high school and college degree requirements at the same time. Green River's COMPASS should be taken prior to enrolling in classes.

There is more information on the Green River Community College Web site at www.greenriver.edu/edplanning/hscomp.htm.

High School Diploma Course Articulation

The high school diploma course articulation policy was created to ensure that students are not penalized by the differences in specific requirements imposed by individual districts/campuses within the general guidelines of the Washington state High School Diploma. Its intent is to provide a pathway for acceptance of credit between Washington state high schools and Green River Community College and to limit the need for duplication of credits previously earned.

Policy

If a student transfers an individual course (from a Washington State high school or community and technical college) that meets a specific state high school requirement category at the sending institution, that course is considered to have met that requirement at GRCC, even if this course does not have an exact equivalent. It is the student's responsibility to initiate the articulation process and to gather appropriate documentation from the high school as needed. This is in accordance with OSPI guidelines for acceptance of credit and Washington state High School Diploma requirements.

High School Diploma for Community and Technical College Completion

Green River Community College will grant a high school diploma if requested by a Runrig Start student or a student over 21 years of age who completes an AA, AS, or AAS-T (per SHB 1758).

HIGH SCHOOL DIPLOMA

Washington State High School Requirements	High School Credits (semester)	Green River Community College Requirements for students entering high school classes in Fall 2004 or later.	GRCC Credits (quarter)
English	3	Read 084 or higher, or any Literature class	5
		Engl 081 or any English writing class	5
		Cmst 100 or higher	5
Math	2	Math with 5 of those credits at Math 097 or higher. If the student did not pass the WASL or an alternative assessment, they need additional math credits, as outlined below:	10
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> <u>Class of 2008:</u> Earn 5 more math credits, at Math 097 or higher, and retake the Math WASL (or other Washington state assessment) </td> <td style="width: 50%; padding: 5px;"> <u>Classes of 2009 to 2012</u> Earn 10 more math credits, 5 of which are at Math 097 or higher, and retake the Math WASL (or other Washington state assessment) annually. </td> </tr> </table>	<u>Class of 2008:</u> Earn 5 more math credits, at Math 097 or higher, and retake the Math WASL (or other Washington state assessment)
<u>Class of 2008:</u> Earn 5 more math credits, at Math 097 or higher, and retake the Math WASL (or other Washington state assessment)	<u>Classes of 2009 to 2012</u> Earn 10 more math credits, 5 of which are at Math 097 or higher, and retake the Math WASL (or other Washington state assessment) annually.		
Science	2	5 credits of any lab science course that meets the lab science requirement	10
		5 credits of any science course that meets the general science requirement	
U.S. History	1	Select 5-6 credits from the following: HSC 021 (3 credits) and HSC 022 (3 credits) OR Hist 135, Hist& 136, Hist& 137, Hist 220 (5 credits each)	5-6
Civics and Government	.5	Select 3-5 credits from the following: HSC 025 (3 credits) or Pols& 202 (5 credits)	3-5
Washington State History	.5	Select 5 credits from the following: Hist 024 OR Hist& 214	5
Contemporary World History, Geography, and Problems	1	Select 5-6 credits from the following: HSC 031, 032 (3 credits each) OR Ames 100; Econ 090, 100; Geog 100, 108, 200; Hist 103, 231, 250, &215; Phil 102; Pols 090, &101, &203 or &204; or Soc &101 (5 credits each)	5-6
Health and Fitness	2	Select 10 credits from the following: 5 credits of HI Ed 150 or any combination of the following Physical Education classes to total 5 credits: P E 101, 102, 103, 111, 131, 149, 160, 165 (2-3 credits each) AND 3 credits of HI Ed 190 and 2 credits of any combination of the following Physical Education classes: P E 107, 108, 109, 110, 112, 113, 114, 115, 117, 118, 119, 121, 122, 124, 125, 129, 132, 134, 136, 137, 138, 139, 140, 141, 143, 144, 147, 148, 150, 158, 169, 193, 201, 202, 207, 210, 211, 212, 215, 216, 224, 231, 234, 236, 251, 253 (1-3 credits each)	10
Occupational Education	1	5 credits from any Professional/Technical course	5
Arts	1	5 credits in any Fine Arts or Performing Arts course	5
Culminating Project and Educational Plan		HSC 040 or Engr 100 or Behsc 107 or Tech 100 or other alternative approved by the High School Completion committee. NOTE: Any of the courses above may also count as an elective.	
<p>WASL (Washington Assessment of Student Learning): Satisfactory completion of the WASL or equivalent assessment as identified by the OSPI in accordance with state policies. GRCC may help the student use one of the available options for the WASL.</p> <p><u>CAA Options: Collection of Evidence (CAA)</u></p> <ol style="list-style-type: none"> SAT scores: Math 470, Reading 350, Writing 380; or ACT scores: Math 19; Reading 13, Writing (unavailable at this time) <p><u>Transfer students from out of state or out of country who transfer in during their junior or senior year may:</u></p> <ul style="list-style-type: none"> Use their previous state's high school exit exam, or the exam used to meet federal "No Child Left Behind" testing requirements instead of the WASL, or Use any of the CAA Options without first taking the WASL. 			
Electives	5	Up to 22 credits, as needed to total of 95 credits. Any GRCC credit, except BASIC or ESOL.	22
Total credits	19		95