GREEN RIVER COLLEGE
CATALOG

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2017–2019

ADDENDUM

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2017-2019 CATALOG ADDENDUM

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Veterans Education Benefits

• Selected academic programs of study at Green River College are approved by the Washington Student Achievement Council's State Approving Agency (WSAC/SAA) and/or the Workforce Training Education Coordinating Board (WTECB) for enrollment of persons eligible to receive educational benefits Chapters 30, 33 and 35, under Title 38 and Chapters 1606 under Title 10, U.S. Code. In addition Vocational Rehabilitation and Employment (VR&E) benefits – Training and Rehabilitation for veterans with service connected disabilities under Title 38, U.S. Code, Chapter 31.

• The Code of Federal Regulations (38 CFR 21.4201) states that the Department of Veterans Affairs (VA) shall not approve the enrollment of any VA-eligible person, not already enrolled, in any course for any period during which more than 85 percent of the students enrolled in the course are having all or part of their tuition , fees, or other charges paid to or for them by an educational institution or the VA. VA is requesting that you provide this information within 30 days of this request.

• In-state and/or reduced tuition rates may be available to veterans that meet specific state requirements. For more information please visit Enrollment Services with a copy of your DD 214.

• Veterans may also be eligible for priority registration. Individuals must meet the established eligibility criteria and submit a copy of their DD 214 to Enrollment Services.

Veterans Academic Standards

• The law requires that education benefits to veterans and other eligible dependents be discontinued when the student ceases to make satisfactory academic progress (SAP) toward completion of his or her program of study. To meet SAP, a student receiving VA educational benefits must earn an overall GPA of 2.0 or higher each quarter and earn all eligible credits certified to the VA. If a student does not meet SAP, he or she will be placed in probation status. If a student on probation status does not make satisfactory academic progress, the student will be in termination status. On termination status, a student's education benefits are suspended. To remove the suspension, the student must self-reinstate their benefits by completing a term on their own, enrolled in at least ¾ time, and meet SAP for that term. There is a one-time opportunity to appeal the suspension. If the appeal is approved, the student will be certified for one more quarter. If the student does not make satisfactory academic progress during an appealed quarter, the student will have to self-reinstate their benefits.

Academic Program Revisions

• Federal regulations prevent the VA/SAA from approving programs that include training that the Secretary of VA deems "avocational" or "recreational." Private pilot training has been determined, by the VA, to fit this definition, therefore Green River College may no longer approve VA education benefits for programs that include private pilot training.

• Students using VA education benefits may do so within the Professional Pilot Associate in Applied Science (AAS) and/or Commercial Pilot Option degrees. The Commercial Pilot Fixed Wing Pilot Option AAS is not approved for VA education benefits.

GREEN RIVER COLLEGE
BACHELOR OF APPLIED SCIENCE
AERONAUTICAL SCIENCE

180 Credits

The Bachelor of Applied Science (BAS) in Aeronautical Science degree has two options: Flight Operations and Aviation Operations Management. The degree is designed for students pursuing careers in the field of aviation. Successful graduates of the program will have the knowledge and skills not only in their specific area of aviation interest, but also develop competencies in aviation from business and management perspectives. Students pursuing flight training through Green River College partner flight schools may enter this degree program in partial fulfillment of Federal Aviation Administration (FAA) requirements for the **Restricted Air Transport Pilot (RATP) Certification**.

The Aeronautical Science BAS builds on the following Green River College AAS degrees:

- Airline Dispatch
- Air Traffic Control
- Airport Management
- Air Transportation
- Unmanned Aerial Systems (UAS)
- Commercial Pilot Fixed-Wing

Students typically begin their studies in the BAS program at third-year (junior) standing, with credits earned during their first and second year applying towards the total 180 credits.

Entry Requirements

To enter this program, students must have an associate degree or higher from a regionally accredited institution in aviation. Students must have a minimum cumulative GPA of 2.0 or a waiver from the Program Director for entry into the program. Students who have completed some college coursework but do not have an associate degree or higher are encouraged to meet with an advisor in the Aviation Department to develop an educational plan to prepare for entry into the program.

Students pursuing flight training for the Restricted Air Transport Pilot (R-ATP) Certification must meet the requirements of the FAA under CFR Title 14, Part 61.123.

Contact: Jerry Wolfe, ext. 4339, jwolfe@greenriver.edu

Dept./No.	Course Title	Credits
General Education Requirements (60 credits)		
Communication Skills (15 credits)		
CMST& 210 or	Interpersonal Communication or	
CMST & 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
ENGL 335 and	Advanced Technical Writing and	5
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

Quantitative/Symbolic Reasoning Skills (5 credits)

MATH 106 or	Essentials of PreCalculus Math or	
MATH& 107 or	Math in Society or	
MATH 108 or	Contemporary Math for Information Technology or	
MATH& 141 or higher	PreCalculus I or higher	5

Humanities/Fine Arts/English (10 credits)

CMST 338 or	Diversity in the Workplace or	
	Five credits of Humanities/Fine Arts/English courses from the AA-DTA degree	5
PHIL 412 or	Professional Ethics or	
	Five credits of Humanities/Fine Arts/English courses from the AA-DTA degree	5

Natural Sciences (15 credits)

Five credits of Natural Science courses with a lab from AA-DTA degree	5
Ten credits of Natural Science from List A or List B from AA-DTA degree	10

Social Sciences (10 credits)

Ten credits of Social Science courses approved from AA-DTA degree.	10

Additional General Education (5 credits)

Five credits of courses from the Humanities, Social Science, and Natural Science from AA-DTA degree	5

AVIA denotes an aviation academic class. FLT denotes an aviation flight training class. The asterisk (*****) indicates a class requiring actual flight training. The carat sign (**^**) Indicates a course that satisfies an FAA Requirement for Restricted Air Transport Pilot (RATP) Certification.

Core Requirements (60 credits)

Core Requirements – Flight Operations (55 credits)

*^ASIM 324	Turbine Operations Flight	2
*^ASIM 326	Advanced Cockpit Technologies Flight	2
^AVIA 300	Certified Flight Instructor Ground School	5
^AVIA 301	Certified Flight Instructor Instruments	3
AVIA 360	General Aviation Operations Management	5
^AVIA 370	Aviation Safety Management	5
^AVIA 375	ICAO Operations Standards	5
AVIA 400	Airlines Operations Management	5
^AVIA 401	Multi-Engine	3
^AVIA 402	CFI Multi-Engine	3
^AVIA 410	Aviation and Aircrew Resource Management	5
^AVIA 490	Capstone: Aviation Research Projects	5
*^FLT 300	Certified Flight Instructor	3
*^FLT 301	Instrument Instructor Rating	1
*^FLT 401	Multi-Engine Operations Flight	2
*^FLT 402	Multi-Engine Instructor Rating	1

Core Requirements – Aviation Operations Management (45 credits)

AVIA 360	General Aviation Operations Management	5
^AVIA 370	Aviation Safety Management System	5
^AVIA 375	ICAO Operations Standards	5

AVIA 380	Aviation Career Development and Marketing	5
AVIA 385	Airport Planning and Operations Management	5
AVIA 400	Airlines Operations Management	5
^AVIA 410	Aviation and Aircrew Resource Management	5
AVIA 430	Aviation and the Global Economy	5
^AVIA 490	Capstone: Aviation Research Projects	5

Core Requirement Electives (5-15 credits to complete a minimum of 60 credits at the 300-400 level)

AVIA 305	Instructional Methods in Aviation	5
AVIA 307	Aviation Work Experience 4	1-5
AVIA 308	Aviation Work Experience 5	1-5
AVIA 365	Advanced Aircraft Systems	5
AVIA 390	Introduction to Terminal Instrument Procedures	5
AVIA 420	Methods of Aircraft Accident Investigation	5
NATRS 416	UAV Applications and Mapping	5

Required Additional Credits (60 credits)

The BAS requires 60 credits of 100 level or higher courses from an appropriate Associate Degree to total 180 credits

GREEN RIVER COLLEGE
ASSOCIATE IN APPLIED SCIENCE
AIR TRAFFIC CONTROL

93 Credits

Green River College is a Federal Aviation Administration-Air Traffic College Training Initiative (FAA AT-CTI) school. Completing the ATC degree does **NOT** assure the FAA will hire the Green River AT-CTI graduate. Green River has no influence over the FAA hiring process.

Contact: Jerry Wolfe, ext. 4339, jwolfe@greenriver.edu

Dept./No.	Course Title	Credits
A SIM 111	Private Pilot Flight Simulations Basic	1
A SIM 216	Instrument Flight Simulations Aviation	2
AVIA 103 or	History and Careers or	
AVIA 112	Introduction Aircraft Systems	5
AVIA 110	Airline Operations	5
AVIA 111	Private Pilot Ground School	5
AVIA 123	Aviation Weather	5
AVIA 190	FAA Next Generation Technologies	5
AVIA 211	Aerodynamics for Pilots	5
AVIA 212	Aviation Safety and Human Factors	5
AVIA 216	Basic Instrument Pilot Ground School	5
AVIA 265	Airline Dispatch	10
#AVIA 281	Air Traffic Control 1	5
#AVIA 282	Air Traffic Control 2	5
#AVIA 286	Air Traffic Controllers 3-Enroute ATC	5
#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 126 or	Writing: Humanities or	
ENGL 127 or	Writing: Social Sciences or	
ENGL 128	Research Writing: Science/Engineering/Business	5
#MATH 106 or	Essentials of Precalculus Math or	
MATH& 107 or	Math in Society or	
MATH 108 or	Contemporary Math for Information Technology	
MATH& 141 or higher	or Precalculus I or higher	5
Natural Science	Any Natural Science course 100 level or higher with a lab	5

Students must take 5 credits from the following list of courses below to total 93 credits:

Any AVIA 100/200 level course(s)		5

GREEN RIVER COLLEGE
ASSOCIATE IN APPLIED SCIENCE
AIRLINE DISPATCH

93 Credits

Contact: Jerry Wolfe, ext.4339, jwolfe@greenriver.edu

Dept./No.	Course Title	Credits
A SIM 111	Private Pilot Flight Simulations	1
A SIM 216	Basic Instrument Flight Simulations	2
AVIA 103	Aviation History and Careers	5
AVIA 110	Airline Operation	5
AVIA 111	Private Pilot Ground School	5
AVIA 112	Introduction to Aircraft Systems	5
*AVIA 123	Aviation Weather	5
AVIA 211	Aerodynamics for Pilots	5
AVIA 212	Aviation Safety and Human Factors	5
AVIA 216	Basic Instrument Pilot Ground School	5
AVIA 265	Airline Dispatch	10
#AVIA 270 or	Air Traffic Control Fundamentals or	
AVIA 281	Air Traffic Control 1	5
#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 126 or	Writing: Humanities or	
ENGL 127 or	Writing: Social Sciences or	
ENGL 128	Research Writing: Science/Engineering/Business	5
#MATH	Any Math course 100-level or higher	5
Natural Science	Any Natural Science course 100-level or higher with a lab	5

Students must take 15 credits from the following list of courses below to total 93 credits:

Any AVIA or A SIM 100/200 level course(s) or BUS& 101		15

*Students enrolled in the Airline Dispatch program must complete AVIA 123 at Green River, and cannot be taken online.

\# Satisfies related instruction requirements.

GREEN RIVER COLLEGE
BACHELOR OF APPLIED SCIENCE
APPLIED MANAGEMENT

180 Credits

The BAS degree in Applied Management program is designed to prepare students for employment in a variety of business positions, including management analyst, general and operations manager, marketing manager, market research analyst, sales manager, and human resource specialist. Based on an assessment of the skills required for the occupations targeted by this degree, students completing the BAS in Applied Management will be able to:

1. Formulate effective business strategies by conducting thorough analysis of a given market and business environment.
2. Demonstrate leadership competencies and teamwork skills necessary to resolve interpersonal and organizational challenges that most often occur in the modern workplace.
3. Analyze quantitative and qualitative data to effectively and efficiently resolve business problems.
4. Analyze financial data to explain organizational performance and identify business opportunities in a given market.
5. Use organizational behavior principles and human resources management practices to formulate a plan to effectively hire, retain, and develop a workforce.
6. Plan and implement marketing and sales strategies to maximize long-term profitability of a firm.
7. Demonstrate professional and persuasive communication to internal and external stakeholders, both orally and in writing.
8. Construct operations and project plans that efficiently and effectively leverage organizational resources.
9. Formulate strategies to increase ethical behavior and socially responsible decision making within an organization.

Entry Requirements: The entry requirements for the BAS in Applied Management program provide access to students from both academic transfer and career and technical programs. These entry requirements also ensure that prospective students are prepared for success once they enter the program. Entry requirements are:

• Possess an AAA, AAS or AAS-T degree with a cumulative GPA of 2.5 or better OR an AA or AS degree (when applicable) with a cumulative GPA of 2.5 or better
• Completion of Math at the 097 level or higher (5 credits with a grade of 2.5 or better)
• Completion of ENGL& 101 or ENGL 126 or ENGL 127 or ENGL 128, or ENGL& 235 (5 credits with a grade of 2.5 or better)

NOTE: Students who may not meet the stated entry requirements should contact the Program Manager or Program Director to learn about alternative pathways for entry into the BAS Applied Management Program.

For more information about this degree, please contact either of the following:

Contacts: Tim Broxholm, ext. 4377, tbroxholm@greenriver.edu
                 Leanna Patricio, ext 5031, Lpatricio@greenriver.edu

Dept. No.	Course Title	Credits
General Education Requirements (60 credits)		
Communication Skills (10 credits)		
ENGL& 101	English Composition	5
ENGL 126 or	Writing: Humanities or	
ENGL 127 or	Writing: Social Science or	
ENGL 128 or	Research Writing: Science/Engineering/Business or	
ENGL& 235	Technical Writing	5

Quantitative/Symbolic Reasoning Skills (5 credits)

MATH& 141 or	Precalculus or	
MATH 147	Finite Math-Business and Social Science	5

Humanities/Fine Arts/English (10 credits)

CMST& 210 or	Interpersonal Communications or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communications	5
Five credits from the list of Humanities/Fine Arts/English courses approved for the AA-DTA degree		5

Social Sciences (10 credits)

BUS& 101	Introduction to Business	5
BUS& 201 or	Business Law and the Regulation of Business or	
BUS 181 or	Introduction to International Business or	
Five credits from the list of Social Science courses approved for the AA-DTA degree		5

Natural Sciences (10 credits)

MATH 256	Statistics for Business and Social Science	5
Natural Science	Five credits lab science from Natural Science List A for the AA-DTA degree	5

Additional General Education (15 credits)

ACCT& 201	Principles of Accounting I	5
Ten credits from Humanities/Fine Arts/English, Social Science, or Natural Science approved for the AA-DTA degree		10

Core Requirements (75 credits)

ACCT 325	Accounting for Decision Makers	5
MGMT 300	Organizational Leadership	5
MGMT 310	Research in Marketing	5
MGMT 315	Organizational Design	3
MGMT 320	Human Resource Management	5
MGMT 335 or	Marketing Communications and Planning or	
MGMT 350	Developing Products	5
MGMT 340	Business Project Management	5
MGMT 345	Corporate Finance	5
MGMT 360	Business Development and Sales Management	5
MGMT 361	Negotiations	5
MGMT 385	Business Operations Management	5
MGMT 395	Marketing Management	5
MGMT 400	Applied Professional and Career Development	5
MGMT 405	Corporate Social Responsibility	2
MGMT 420	Business Strategy	5
MGMT 425	Business Analysis	5

Additional credits from an Associate's Degree or equivalent credits in business-related field (45 credits)

GREEN RIVER COLLEGE
ASSOCIATE IN PRE-NURSING
DIRECT TRANSFER AGREEMENT (APreN-DTA)
MAJOR RELATED PROGRAM (MRP)

Minimum of 90-91 Credits

The Associate in Pre-Nursing degree is general 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 Pre-Nursing Transfer degree include Seattle University, Seattle Pacific University, University of Washington-Seattle, Washington State University, Pacific Lutheran University, Northwest University and Walla Walla University. This degree is designed to meet the distribution requirements at universities in Washington State, by fulfilling the general requirements taken by freshmen and sophomores.

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 at Green River College.

Students are responsible for knowing transfer requirements and policies, as well as specific course choices and GPA requirements, and are urged to consult the catalog of the institution for 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 Pre-Nursing degree requirements.

   A. Communication Skills (10 credits)

   Courses in this area support the written communication learning outcome.

   English &101 <u>and</u> English 127 or 128

   B. Quantitative Skills/Symbolic Reasoning (5 credits)

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

   Mathematics &146 or 256

2. **Humanities/Fine Arts/English (15 credits)**

   No more than 10 credits from any one discipline.

   A. Communication Studies &220 (5 credits)

   B. 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, 130, 133, 135**, 212, 213, 214, **219, 251, 252, 253, 255, 256, 257**

   Chinese 111, &121, &122, &123

   Communication Studies &102, &210, 212, 213, 215, &220, &230, 238, 245, 265, 266

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

   Drama &101, 102, **111, 151, 152, 153, 154, 157, 158**

   English &112, &113, &114, 115, 160, 161, 162, 163, 164, 165, 168, 180, 181, 183, 185, 187, 190, &220, &226, &227, &228, &236, &237, &244, &245, &246, 247, 248, 249, 250, 251, &254, &255, &256, 257, 264

   Film 120, 121, 122, 191

   French &121, &122, &123, &221, &222, &223

   German &121, &122, &123

   Humanities 110, 133, 142, 146, 160, 186, 190, 191, 200, 224

Japanese &121, &122, &123, &221, &222, &223

Journalism 101, 107, 150, 151, 152, 254

Music 101, 103, 104, &105, 107, 108, 109, 110, **118, 119, 120, &121, &122, &123, 124, 125, 127, 128, 129,** &131, &132, &133, **140, 141, 142, 150, 151, 152, 218, 219, 220, &221, &222, 227, 228, 229, &231, &232, 250, 251, 252**

Philosophy &101, 102, 103, 104, 105, 108, 110, 111, 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, 272

3. **Social Science (15 credits)**

   A. Psychology &100

   B. Psychology &200

   C. A minimum of 5 credits:

   Sociology &101, &201, 202, 205, 214, 215, 220, 230, 240, 245, 260 or 271

4. **Natural Science (35-36 credits with a minimum of 25 credits lab-based)**

   A. Biology (&160 or &211) <u>and</u> &260

   B. Biology &241 <u>and</u> &242

   C. Chemistry &121 <u>and</u> &131

   D. Nutrition &101

5. **Additional Courses (10 credits)**

   Select 10 credits from the Humanities/Fine Arts/English, Social Science and Natural Science distribution requirement areas of the AA-DTA degree.

<u>Transferability of Credits</u>

Green River 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.

GREEN RIVER COLLEGE
CERTIFICATE OF PROFICIENCY
CARPENTRY TECHNOLOGY
CONCRETE FORMING AND PLACEMENT

16 Credits

This certificate prepares students to find employment with residential specialty and/or general contractor whose primary focus is foundations and/or concrete flatwork. The core skills acquired are location and forming concrete foundations for houses and constructing them level, plumb and square and to code or engineered specifications. In addition students will develop skills with specialty tools and material related to foundation and/or flatwork, as well as how to calculate, order and place concrete in forms and finish specifications. This certificate also meets two of the CEATT (Carpenters Employers Apprenticeship Training Trust) Preferred Enrollment and Advance Placement Requirements.

Contact: Glen Martin, ext. 4208, gmartin@greenriver.edu

Dept./No.	Course Title	Credits
CARP 113	Foundations and Floor Framing	13
CARP 161	Print Reading	3

19 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 metal framing, etc.). Students develop basic skills in print reading, wall layout, assembly and erecting 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 framing structures as well as framing material knowledge and specifications. This certificate also meets three of the CEATT (Carpenters Employers Apprenticeship Training Trust) Preferred Enrollment and Advance Placement requirements.

Contact: Glen Martin, ext. 4208, gmartin@greenriver.edu

Dept./No.	Course Title	Credits
CARP 114	Wall and Roof Framing	13
CARP 161	Print Reading	3
CARP 167	Material Estimating	3

GREEN RIVER COLLEGE
CERTIFICATE OF PROFICIENCY
CARPENTRY TECHNOLOGY
FRAMING LEVEL 2

27 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 metal framing, etc.) The student will develop basic skills in print reading, wall layout, assembly and erecting of floors, walls and truss roof systems, WISHA/OSHA safety regulations and code requirements relating to framing. In addition, the student will learn portable power tool usage designed specifically to framing structures as well as framing material knowledge and specifications. This certificate also meets five of the CEATT (Carpenters Employers Apprenticeship Training Trust) Preferred Enrollment and Advance Placement requirements.

Contact: Glen Martin, ext. 4208, gmartin@greenriver.edu

Dept./No.	Course Title	Credits
CARP 114	Wall and Floor Framing	13
CARP 161	Print Reading	3
CARP 162	Stair Design and Construction	4
CARP 163	Rafters Design and Framing Level 1	4
CARP 167	Material Estimating	3

GREEN RIVER COLLEGE
ASSOCIATE IN APPLIED SCIENCE
CARPENTRY TECHNOLOGY
RESIDENTIAL AND LIGHT COMMERCIAL

90-95 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. 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.

Students whose primary language is not English must have successfully completed ESOL Level 3 prior to enrolling in the Carpentry Technology Program

Contact: Glen Martin, ext. 4208, gmartin@greenriver.edu

Dept/No.	Course Title	Credits
CARP 113*	Foundations and Floor Framing (Fall Quarter only)	13
CARP 114*	Wall and Roof Framing (Winter Quarter only)	13
CARP 115*	Exterior and Interior Finish (Spring Quarter only)	13
INDUS 101	Basic Woodworking (Every quarter)	4
CARP 161	Print Reading (Fall quarter only)	3
CARP 162	**Stair Design and Construction (Every quarter)**	**4**
CARP 163	**Rafters Design and Framing Level 1 (Every quarter)**	**4**
CARP 164	**Inter. Woodworking and Cabinetry (Every quarter)**	**4**
CARP 165	Residential Remodeling Practices (Summer quarter only)	4
CARP 166	Deck Construction and Concrete Flatwork (Summer quarter only)	4
CARP 167	Material Estimating (Winter quarter only)	3
CARP 168	Green Construction Principles and Practices (Spring quarter)	4

Required Electives   Students must complete a minimum of 7 credits from the following offerings

CARP 171	**Advanced Cabinetry and Woodwork Fabrication (Every quarter)**	**4**
INDUS 111	Welding Survey 1	3
DT 100	CAD Fundamentals	7
DT 131	Drafting Across the Industries	7

Bold face course offered nights only.

\#   *Satisfies related instruction requirements.*

Related Instruction Requirements:

*#	Human Relations	11 Hours of Human Relations embedded in this class.	
		33 hours total required for Degree	
#	Oral Communication	5 credits of Oral Communications listed in the	
		Related Instruction Requirements	5
#	Written Communication	5 credits of Written Communications listed in the	
		Related Instruction Requirements	5
#	Computation	WAMAP Score of 175-179, or	
		ACOMP 101 Computation for the Trades or	
		Completion of MATH 062 with a grade of 2.5 or higher	0-5

NOTE: Most related instruction courses have prerequisites. Please work with Carpentry advisor for selecting which courses will meet program requirements and scheduling constraints.

24 Credits

This certificate prepares the student with the basic skills and knowledge required to find employment with specialty or general contractors whose focus is either Exterior or Interior finishes. The student will have developed skills in installing various exterior siding and trim, basic desk design and construction, steel stud framing, drywall installation and finishing, installing interior doors and other related interior trim pieces. Additionally, the student will have proficient skills in portable and stationary woodworking tools, as well as material knowledge and specifications. This certificate also meets two of the six CEATT (Carpenters Employers Apprenticeship Training Trust) Preferred Enrollment and Advance Placement requirements.

Contact: Glen Martin, ext. 4208, gmartin@greenriver.edu

Dept./No.	Course Title	Credits
CARP 115	Exterior and Interior Finish	13
CARP 164	Intermediate Woodworking and Cabinetry	4
CARP 166	Deck Construction and Concrete Flatwork	4
CARP 167	Material Estimating	3

98 Credits

The Commercial Pilot Degree program prepares students for entry level jobs as commercial pilots in the aviation industry. Flight programs require a commitment from students. Gaps in training should be avoided at all costs. Students should plan on flying at least twice per week. The academic schedule can be found at www.greenriver.edu. Students may enter the program at the beginning of any quarter and must possess a valid 2nd class medical (1st class preferred for students pursuing an ATP certificate) certificate prior to commencing flight training. These medical certificates are issued by Federal Aviation Administration designated medical examiners. In addition all students must meet the requirements of the FAA under CFR Title 14, Part 61.123.

The student will be responsible for attending the scheduled flight lesson. Any missed appointments will be handled individually per the flight schools policies. Students who fail a flight course due to poor attendance will not be allowed to retake the course. Any cancellations beyond the control of the student and flight school (i.e. weather, aircraft mechanical problems) will be discussed with Green River's faculty to determine if any violation of policies has occurred.

If a student is unable to complete the class within the academic schedule for the registered quarter as shown in the published class schedule, the student must bring this problem to the attention of the flight school staff and Green River's faculty, as this may affect future funding for subsequent classes. If student is found not progressing at a normal rate, a meeting between the flight school instructor and Green River's faculty will occur to determine the cause of the problem and possible solution. Student will be expected to address any possible problems regarding flight training with Green River's faculty as soon as possible. Cancellations must be made in advance of the scheduled time. Students will make every effort to cancel flight and ground lessons per the respective flight school's policy. No-shows will result in the aircraft and/or flight instructor being released 15 minutes into the scheduled time. The student will be responsible for the cost of the lesson scheduled.

The student will have to complete the class within the academic schedule for the quarter in which the student registers. The student must complete this class satisfactorily before he/she can sign up subsequent flight classes in the degree program. Each flight class can be failed once, in the event the student fails two flight classes resulting in two "F's," he/she will no longer be allowed to continue in the flight program.

In the case where a student gets an "I" the "incomplete" can only be carried over for thirty days, after which if the course requirements are not completed, the "incomplete" will become an "F". Per the Veteran's Administration, an "Incomplete" is only given in the case of weather and mechanical cancellations.

Incompletes may also be given for extreme circumstances, other than weather and mechanicals, and maybe considered on a case by case basis. Final grades for the flight class will be based on the individual class grading policies stated in the class syllabus.

Contact: Jerry Wolfe, ext. 4339, jwolfe@greenriver.edu

Dept/No.	Course Title	Credits
A SIM 111	Private Pilot Flight Simulations	1
A SIM 216	Basic Instrument Flight Simulations	2
A SIM 218	Commercial Pilot Flight Simulations	1
AVIA 103	Aviation History and Careers	5
AVIA 110	Airline Operation	5

AVIA 111	Private Pilot Ground School	5
AVIA 112	Introduction to Aircraft Systems	5
AVIA 123	Aviation Weather	5
AVIA 211	Aerodynamics for Pilots	5
AVIA 212	Aviation Safety and Human Factor	5
AVIA 216	Basic Instrument Pilot Ground School	5
AVIA 218	Commercial Pilot Ground School	5
AVIA 265	Airline Dispatch	10
#AVIA 270	Air Traffic Control Fundamentals	5
#CMST& 210 or	Interpersonal Communications or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
#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
#MATH 106 or	Essentials of PreCalculus Mathematics or	
MATH& 107 or	Math in Society or	
MATH 108 or	Contemporary Math for Information Technology or	
MATH& 141 or higher	PreCalculus I or higher	5
Natural Science	Any Natural Science course 100 level or higher with a lab	5

Students choose 14 credits from the following list for the Fixed Wing Pilot Option:

FLT 111	Private Pilot Flight 1	2
FLT 112	Private Pilot Flight 2	2
FLT 211	Instrument Pilot Flight 1	2
FLT 212	Instrument Pilot Flight 2	2
FLT 213	Instrument Pilot Flight 3	1
FLT 231	Commercial Pilot Flight 1	2
FLT 232	Commercial Pilot Flight 2	2
FLT 233	Commercial Pilot Flight 3	1

\# Satisfies related instruction requirements.

GREEN RIVER COLLEGE
BACHELOR OF APPLIED SCIENCE
EARLY CHILDHOOD EDUCATION
INFANT AND CHILD MENTAL HEALTH

180 Credits

Green River College's Bachelor of Applied Science (BAS) in Early Childhood Education: Infant and Child Mental Health (ICMH) will provide graduates with skills and abilities to examine the foundations of development and the importance of relationships to the social and emotional well-being of infants, toddlers, and young children as well as quality relationships and environments that foster growth in all developmental domains—social and emotional, cognitive/linguistic, and physical. It is designed to provide relevant training to those working with vulnerable families and children including early care and education providers, home visitors, child health providers, early interventionists, and other related fields. The specialized training in infant/child mental health will enable these individuals to work better with children and families, responding to the emerging needs of the diverse populations that they serve.

The BAS in Early Childhood-ICMH enables individuals with applied associate degrees in Early Childhood Education to combine their lower-division technical or transfer preparation courses with upper-division credits. The result is a unique, specialized, BAS degree. The BAS in Early Childhood-ICMH also combines the breadth and academic rigor required for students who wish to continue their studies at the Master's level.

Entry Requirements: Possess an AAA, AAS or AAS-T degree in Early Childhood Education with a cumulative GPA of 2.5 or better with no single class lower than a 2.0; have completed of a minimum of 30 credits in Early Childhood Education to include:

ECED& 105   Introduction to ECE (5 credits)

EDUC& 115   Child Development (5 credits)

EDUC& 130   Guiding Behavior (3 credits)

EDUC& 204   Exceptional Child (5 credits)

EDUC 240   Multicultural/Anti-Bias Issues in Ed or equivalent (5 credits)

7 credits in practicum/field experience **or** permission of program director.

Completion of these courses will provide the foundation necessary for seamless entry into the BAS in Early Childhood-ICMH and will be included in the 180 credit requirement.

For more information about this degree, please contact either of the following:

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

Dept./No	Course Title	Credits
General Education Requirements (60)		
Communication Skills (10)		
ENGL& 101	English Composition I	5
ENGL 127	Writing: Social Science (ENGL 126 or ENGL 128 may be substituted)	5
Quantitative/Symbolic Reasoning Skills (5)		
Math in which MATH 097 is a prerequisite		5
Humanities/Fine Arts/English (10)		
CMST& 210	Interpersonal Communication or	
CMST& 220	Public Speaking or	
CMST& 230	Small Group Communication	5
Humanities/Fine Arts/English courses approved for the AA-DTA degree (no additional CMST)		5

Social Sciences (10)

Social Science courses approved for the AA-DTA degree	10

Natural Sciences (10)

Natural Science **List A—Lab Science** for the AA-DTA degree	5
Natural Science courses approved for the AA-DTA degree	5

Additional General Education (15)

Humanities/Fine Arts/English, Social Science, or Natural Science courses approved for the AA-DTA degree	15

Core Requirements (60)

ECED 301	Reflective Observation with Field Experience 1	2
ECED 302	Reflective Observation with Field Experience 2	2
ECED 303	Reflective Observation with Field Experience 3	2
ECED 305	Introduction to Infant/Child Mental Health	5
ECED 310	Building Networks with Families and Community	3
ECED 315	Foundations of Infant/Toddler Development	5
ECED 340	Equity and Social Justice in Early Care and Education	3
ECED 350	Theories, Relationships, and Attachment	5
ECED 370	Curriculum and Environmental Design that Supports SEL	3
ECED 401	Reflective Consultation with Field Experience 1	2
ECED 402	Reflective Consultation with Field Experience 2	2
ECED 405	Trauma Exposed and Vulnerable Families and Children	5
ECED 410	Foundations of Challenging Behavior: Emotional Dysregulation	3
ECED 415	Early Identification and Intervention: Children with Special Needs	5
ECED 420	Assessment Tools and Documentation	3
ECED 425	Leadership and Advocacy in Early Childhood Education	3
ECED 450	Capstone Project	5
ECED 445	Reflective Seminar	2

Required Additional Credits (60)

ECED& 105	Introduction to ECE	5
EDUC& 115	Child Development	5
EDUC& 130	Guiding Behavior	3
EDUC& 204	Exceptional Child	5
EDUC 240	Multicultural/Anti-Bias Issues in Ed or equivalent	5
7 credits Practicum/field experience (ECED &120, 214, 215 or 250; EDUC 210)		7

Additional credits from ECE Associate's Degree or equivalent	30

GREEN RIVER COLLEGE
BACHELOR OF APPLIED SCIENCE
INFORMATION TECHNOLOGY-
SOFTWARE DEVELOPMENT

180 Credits

The Bachelor of Applied Science in Information Technology-Software Development is designed to prepare students for employment in a variety of software development positions, such as software developer, web developer, systems analyst, and quality assurance analyst. Successful graduates of the program should be able to:

- Develop stable, robust, secure, and efficient code following best practices in database design and software construction.
- Communicate with technical and non-technical project stakeholders, and within project teams.
- Apply Agile practices such as maintaining a product backlog, planning sprints, participating in sprint reviews and retrospectives.
- Perform software quality assurance activities throughout the entire software lifecycle.
- Write technical documentation to support software lifecycle activities.

Students typically begin their studies in this program at third-year (junior) standing, with credits earned during their first and second year applying towards the total 180 credits.

Entry Requirements

To enter this program, students must have an associate degree or higher from a regionally accredited institution. Students must have a minimum cumulative GPA of 2.5 or a waiver from the Program Director for entry into the program. Students who have completed some college coursework but do not have an associate degree or higher are encouraged to meet with academic advisor in the Information Technology department to develop an educational plan to prepare for entry into the program.

The following courses, or equivalents, are strongly recommended before entering this program because they contain foundational knowledge upon which the upper-division courses build:

- IT 201 Database Fundamentals
- IT 206 Front-End Web Development
- IT 207 Web Programming with JavaScript
- IT 219 Programming I **or** CS& 141 Computer Science I Java
- IT 220 Programming II **or** CS 145 Java 2-Data Structures

Laptop Requirement

The BAS Software Development curriculum engages students in a hands-on learning environment to reflect modern software development practices, requiring students to collaborate in team-based workspaces with access to wireless technology. As a result, all incoming students are required to have a wireless laptop computer.

Graduation Requirements

Students must attain a cumulative GPA of 2.5.

You must apply for, and be accepted into, the program before you can register for any upper-division (300- and 400-level) courses. For more information about this degree please visit www.greenriver.edu/software or contact an Information Technology program advisor at itdegrees@greenriver.edu.

Dept./No.	Course Title	Credits
General Education Requirements (60 credits)		
Communication Skills (15 credits)		
ENGL& 101	English Composition I	5
ENGL 128 or	Research Writing: Science/Engineering/Business or	
ENGL 126 or	Writing: Humanities or	
ENGL 127 or	Writing: Social Sciences or	
CMST& 210 or	Interpersonal Communication or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
ENGL 335	Advanced Technical Writing	5
Quantitative/Symbolic Reasoning Skills (5 credits)		
QSR course	Five credits of Quantitative Skills/Symbolic Reasoning courses	
	from AA-DTA degree (Math& 141 PreCalculus I,	
	Math 147 Finite Mathematics, or higher recommended)	5
Humanities/Fine Arts/English (10 credits)		
CMST 338 or	Diversity in the Workplace or	
CMST 238	Intercultural Communication or	
	Any Humanities/Fine Arts/English course from AA-DTA degree	5
Humanities/Fine Arts/English	Any Humanities/Fine Arts/English course from AA-DTA degree	5
Social Sciences (10 Credits)		
Social Science courses	Ten credits of Social Science courses from AA-DTA degree	10
Natural Sciences (10 credits)		
Lab Science course	Five credits of Natural Science lab-List A course from	
	AA-DTA degree	5
Natural Science course	Five credits from Natural Science List A or List B courses from	
	AA-DTA degree	5
General Education Electives (10 credits)		
Distribution courses	Ten credits from Humanities/Fine Arts/English, Social Science, or	
	Natural Science courses from AA-DTA degree	10
Core Requirements (55 credits)		
IT 301	Systems Programming	5
IT 305	Web Development Frameworks	5
IT 328	Full Stack Web Development	5
IT 333	Data Structures	5
IT 334	Algorithms	5
IT 355	Agile Development Methods	5
IT 372	Software Maintenance and Evolution	5

IT 378 or	Software Development Internship or	
BUS 400	Personal and Professional Branding	5
IT 426	Design Patterns and Practices	5
IT 485	Software Development Capstone 1	5
IT 486	Software Development Capstone 2	5

Technical Electives (20 credits)

20 credits of any Computer Science (CS) courses, any Information Technology (IT) courses, or

any of the following Mathematics courses:

    MATH& 146 Introduction to Statistics

    MATH 210 Discrete Math

    MATH 256 Statistics for Business and Social Science   20

Electives (45 credits)

45 credits from any courses at the 100-level or higher   45

GREEN RIVER COLLEGE
ASSOCIATE IN APPLIED SCIENCE-TRANSFER
INFORMATION TECHNOLOGY-
SYSTEM AND SECURITY

90 Credits

This degree program prepares students for entry into a Bachelor of Applied Science in Information Technology: Network Administration and Security or Information Technology: Software Development degree program at Green River College. In addition, this applied associate's degree program prepares students for entry-level employment in a variety of IT positions, such as 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, systems administration, and software development, resulting in a balanced, well-rounded knowledge of information technology. In year 2, students complete four courses on key advanced networking topics (Option 1) or four courses in software development (Option 2). In addition to these specialized courses, students learn key interpersonal communication skills sought by employers.

Successful graduates of the program should be able to:

- Understand and demonstrate the functions of Information Technology services support.
- Understand and demonstrate procedures to install, configure, support, and troubleshoot Linux and Windows operating systems.
- Understand security principles, system and network vulnerabilities, and common mitigation practices.
- Understand and demonstrate basic programming and database constructs.
- Understand network infrastructure, logic, subnetting, and troubleshooting procedures.

Contact: itdegrees@greenriver.edu

Dept./No.	Course Title	Credits
General Education Requirements (25 credits)		
Communications	Ten credits of Communications courses chosen from:	
CMST& 210 or	Interpersonal Communication or	
CMST& 220 or	Public Speaking or	
CMST& 230 or	Small Group Communication or	
CMST 238	Intercultural Communication	10
ENGL& 101	English Composition I	5
ENGL 128 or	Research Writing: Science/Engineering/Business or	
ENGL 126 or	Writing: Humanities or	
ENGL 127	Writing: Social Sciences	5
MATH 108 or	Contemporary Math for Information Technology or	
MATH& 107 or higher	Math in Society	5

NOTE: *Students who wish to continue on to the BAS IT: Network Administration and Security should complete MATH 108 or MATH 147. Students who wish to continue on to the BAS IT: Software Development should complete MATH& 141 or MATH 147, or higher.*

Core Requirements (25-32 credits)

IT 114	CompTIA A+ Certification Preparation or	
	CompTIA A+ Certification	0 or 7
IT 131	Networking Fundamentals	5
IT 135	CompTIA Security+ Certification Preparation	5
IT 160	Windows Server Administration I	5
IT 190	Linux Administration I	5
IT 201	Database Fundamentals	5

Complete one of the options below:

Option 1: Network Administration and Security (32 credits)

IT 210	Introduction to Routing and Switching	7
IT 224	Windows Automation and Scripting	5
IT 240	Windows Server Administration II	5
IT 244	CompTIA Cloud+ Certification Preparation	5
IT 245	Windows Server Administration III	5
IT 293	System Analysis and Troubleshooting	5

Option 2: Software Development (30 credits)

IT 102	Programming Fundamentals	5
IT 206	Front-End Web Development	5
IT 207	Web Programming with JavaScript	5
IT 219 or	Programming I or	
CS& 141	Computer Science I–Java	5
IT 220 or	Software Development Methods or	
CS 145	Java 2–Data Structures	5
Natural Science	Five credits of Natural Science List A or List B courses	
	from AA-DTA degree	5

Electives: (1 or 3 *OR* 8 or 10* credits)

IT 175 or	Student Assistant or	0-3
IT 178 or	Information Technology Work Experience or	
	Any course numbered 100 or higher may be used for	
	Elective credits. Three elective credits are required.	0-3

Notes:

* 1 or 3 elective credits are required if IT 114 is taken.

   * 8 or 10 elective credits are only required if a CompTIA A+ certification is used in place of IT 114

40 Credits

The Web Application Development certificate program is for anyone who has earned an associate's or bachelor's degree and is interested in learning how to build modern websites and web applications. This certificate program is designed to prepare students for continued studies in the Bachelor of Applied Science in Information Technology: Software Development degree program and for employment as an entry-level web developer or software developer familiar with the best practices in industry.

Students must earn a cumulative GPA of at least 2.5. All of the courses in this certificate program apply towards the Bachelor of Applied Science in Information Technology: Software Development degree.

Entry Requirements:

To enter this certificate program, students must have earned an associate's degree or bachelor's degree from a regionally accredited institution. The following coursework, or equivalent work experience, in all of these areas, are strongly recommended before entering this program as the courses in this program build on programming fundamentals.

IT 201	Database Fundamentals
IT 206	Front-End Web Development Web
IT 207	Programming with JavaScript
IT 219 or	Programming 1 or
CS& 141	Computer Science I – Java
IT 220 or	Software Development Methods or
CS 145	Java 2 Data Structures

You must apply for, and be accepted into, the program before you can register for any upper-division (300- and 400-level) courses. For more information about this degree please visit www.greenriver.edu/software or contact an Information Technology program advisor at itdegrees@greenriver.edu.

Dept./No.	Course Title	Credits
Core Requirements		
IT 301	Systems Programming	5
IT 305	Web Development Frameworks	5
IT 328	Full Stack Web Development	5
IT 333	Data Structures	5
IT 334	Algorithms	5
IT 355	Agile Development Methods	5
IT 372	Software Maintenance and Evolution	5
IT 426	Design Patterns and Practices	5

GREEN RIVER COLLEGE
ASSOCIATE IN APPLIED SCIENCE
NATURAL RESOURCES-FORESTRY

110 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 the Natural Resources program in any quarter, however many Natural Resources courses are only offered one time each year. Correct sequencing is important! For best results, students should enter these career-technical programs at the beginning of summer or fall quarter.

Natural Resources with emphasis in Forestry and specialties in Natural Resources-Geographic Information System Option, 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.

Contacts: Monica Priebe, ext. 4509, mpriebe@greenriver.edu

Chuck Wytko, ext. 4590, cwytko@greenriver.edu

Dept./No.	Course Title	Credits
General Education Classes		
CMST& 220	Public Speaking	5
#ENGL& 101	English Composition	5
ENGL 128	Research Writing: Science/Engineering/Business	5
P E 113	Group Dynamics Activities	1
Natural Resources Classes		
First Year Classes		
NATRS 100	Introduction to Natural Resources	5
NATRS 114	Chainsaw Operation and Maintenance	1
#NATRS 172	Computer Applications Overview	4
#NATRS 180	Natural Resources Measurement	6
NATRS 182	Aerial Photos, GIS, and Forest Navigation	8
NATRS 184	Tree, Shrub and Wildflower Identification	8
NATRS 205	Wildland Recreation	4
NATRS 270	Stream and Wetland Ecology	5
NATRS 290	Internship Seminar	1

Second Year Classes

NATRS 161	Wildlife Habitat Management	4
NATRS 192	GIS for Natural Resources	5
NATRS 210	Introduction to Soils	5
NATRS 284	Road and Trail Engineering	7
NATRS 286	Natural Resources Business Principles	5
NATRS 292	Resource Sampling and Appraisal of Forest Conditions	8
NATRS 293	Silvicultural Analysis and Forest Protection	4

Capstone

*NATRS 277-280	Natural Resources Internship 1-4	14

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

AVIA 123	Aviation Weather	5
ENGR 106	Introduction to Engineering Problems	3
GEOL 117	Natural Disasters w/Lab	5
HL ED 190	Standard First Aid/CPR	3
NATRS 130	Wildland Firefighter Training	4
NATRS 131	Intermediate Wildland Fire	6
NATRS 261	GIS Tool Applications	5
NATRS 262	GIS in the Field	5
NATRS 263	Cartography	5
NATRS 198-199	Independent Study-Natural Resources 1-2	1-5
NATRS 297-299	Independent Study-Natural Resources 4-6	1-5

\# 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!

* Complete NATRS 277-280 in summer quarter.

GREEN RIVER COLLEGE
ASSOCIATE IN APPLIED SCIENCE
NATURAL RESOURCES-GIS

124 Credits

This Geographic Information Systems degree option 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 at a computer, downloading the data collected into databases to produce Geographic Information systems (GIS) computer-generated maps for public and private entities. Requirements for field experience with this degree are consistent with the Natural Resources BAS agreement.

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!

Contacts: Monica Priebe, ext. 4509, mpriebe@greenriver.edu

Chuck Wytko, ext. 4590, cwytko@greenriver.edu

Dept./No	Course Title	Credits
General Education Classes		
CMST& 220	Public Speaking	5
#ENGL & 101	English Composition I	5
ENGL 128	Research Writing: Science/Engineering/Business	5
P E 113	Group Dynamics Activities	1
Natural Resources Classes		
First Year Classes		
NATRS 100	Introduction to Natural Resources	5
#NATRS 172	Computer Applications Overview	4
#NATRS 180	Natural Resources Measurements	6
NATRS 182	Aerial Photos, GIS and Forest Navigation	8
NATRS 184	Tree, Shrub and Wildflower Identification	8
NATRS 205	Wildland Recreation	4
NATRS 270	Stream and Wetland Ecology	5
NATRS 290	Internship Seminar	1
Second Year Classes		
NATRS 161	Wildlife Habitat Management	4
NATRS 192	GIS for Natural Resources	5
NATRS 210	Introduction to Soils	5
NATRS 261	GIS Tool Applications	5
NATRS 262	GIS in the Field	5
NATRS 263	Cartography	5
NATRS 284	Road and Trail Engineering	7
NATRS 286	Natural Resources Business Principles	5
NATRS 292	Resource Sampling and Appraisal of Forest Conditions	8
NATRS 293	SIlvicultural Analysis and Forest Protection	4

Capstone

*NATRS 277-280	Natural Resources Internship 1-4	14

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

GEOL 117	Natural Disasters w/Lab	5
GEOG 120	Introduction to Physical Geography	5
NATRS 114	Chainsaw Operation and Maintenance	1

 # Satisfies related instruction requirements.

* Complete NATRS 277-280 in summer quarter.

Note: *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.*

GREEN RIVER COLLEGE
ASSOCIATE IN APPLIED SCIENCE
NATURAL RESOURCES-PARK MANAGEMENT

115-117 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.

Students may enter the Natural Resources program in any quarter, however many natural resources courses are only offered one time each year. Course sequencing is important! Complete prerequisite as early as possible.

Contacts: Monica Priebe, ext. 4509, mpriebe@greenriver.edu

Chuck Wytko, ext. 4590, cwytko@greenriver.edu

Dept./No.	Course Title	Credits
General Education Classes		
CMST& 220	Public Speaking	5
#ENGL& 101	English Composition I	5
ENGL 128	Research Writing: Science/Engineering/Business	5
GEOL& 101 and	Introduction to Physical Geology and	
SOC& 101 or	Introduction to Sociology or	
NATRS 123	Backcountry Watershed and Forest Assessment	10-12
P E 113	Group Dynamics Activity	1
Natural Resources Classes		
First Year Classes		
NATRS 100	Introduction to Natural Resources	5
NATRS 114	Chainsaw Operation and Maintenance	1
#NATRS 172	Computer Applications Overview	4
#NATRS 180	Natural Resources Measurement	6
NATRS 182	Aerial Photos, GIS, and Forest Navigation	8
NATRS 184	Tree, Shrub and Wildflower Identification	8
NATRS 205	Wildland Recreation	4
NATRS 270	Stream and Wetlands Ecology	5
NATRS 290	Internship Seminar	1
Second Year Classes		
NATRS 161	Wildlife Habitat Management	4
NATRS 192	GIS for Natural Resources	5
NATRS 284	Road and Trail Engineering	7
NATRS 286	Natural Resources Business Principles	5

NATRS 292	Resource Sampling and Appraisal of Forest Conditions	8
NATRS 293	Silvicultural Analysis and Forest Protection	4

Capstone

*NATRS 277-280	Natural Resources Internship 1-4	14

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

AVIA 123	Aviation Weather	5
GEOL 117	Natural Disasters w/Lab	5
HL ED 190	Standard First Aid/CPR	3
NATRS 261	GIS Tool Applications	5
NATRS 262	GIS in the Field	5
NATRS 263	Cartography	5
NATRS 198-199	Independent Study-Natural Resources 1-2	1-5
NATRS 298-299	Independent Study-Natural Resources 4-6	1-5
NATRS 271	Stream and Wetland Restoration	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!

*Complete NATRS 277-280 in summer quarter.

GREEN RIVER COLLEGE
ASSOCIATE IN APPLIED SCIENCE
NATURAL RESOURCES-WATER QUALITY

130-132 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 of physical, biological, and chemical parameters. They identify plants and animals using taxonomic keys. They assist wetlands delineation and GPS/map their location. Graduates also apply and follow environmental regulations regarding stream and wetland protection.

Students may enter the Natural Resources program in any quarter, however many natural resources classes are only offered one time each year. Correct sequencing is important!

Contacts: Monica Priebe, ext. 4509, mpriebe@greenriver.edu

Chuck Wytko, ext. 4590, cwytko@greenriver.edu

Dept./No.	Course Title	Credits
General Education Classes		
#CMST& 220	Public Speaking	5
#ENGL& 101	English Composition I	5
ENGL 128	Research Writing: Science/Engineering/Business	5
GEOL& 101 and	Introduction to Physical Geology and	
SOC& 101 or	Introduction to Sociology or	
NATRS 123	Backcountry Watershed and Forest Assessment	10-12
PE 113	Group Dynamics Activities	1
Natural Resources Classes		
First Year Classes		
NATRS 100	Introduction to Natural Resources	5
NATRS 114	Chainsaw Operation and Maintenance Computer	1
NATRS 172	Applications Overview	4
#NATRS 180	Natural Resources Measurement	6
NATRS 182	Aerial Photos, GIS, and Forest Navigation	8
NATRS 184	Tree, Shrub and Wildflower Identification Wildland	8
NATRS 205	Recreation	4
NATRS 270	Stream and Wetland Ecology	5
NATRS 290	Internship Seminar	1
Second Year Classes		
NATRS 161	Wildlife Habitat Management	4
NATRS 192	GIS for Natural Resources	5
NATRS 210	Introduction to Soils	5
NATRS 271	Stream and Wetland Restoration	5
NATRS 272	Fish Identification and Habitat	5
NATRS 284	Road and Trail Engineering	7

#NATRS 286	Natural Resources Business Principles	5
NATRS 292	Resource Sampling and Appraisal in Forest Conditions	8
NATRS 293	Silvicultural Analysis and Forest Protection	4

Capstone

| *NATRS 277-280 | Natural Resources Internship 1-4 | 14 |

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

Any Course	Biology, Chemistry, and Geology	5
AVIA 123	Aviation Weather	5
GEOL 117	Natural Disasters w/lab	5
HL ED 190	Standard First Aid/CPR	3
NATRS 261	GIS Tool Applications	5
NATRS 262	GIS in the Field	5
NATRS 263	Cartography	5
NATRS 198, 199	Independent Study-Natural Resources 1-2	1-5
NATRS 297-299	Independent Study-Natural Resources 4-6	1-5

 # Satisfies related instruction requirements.

* Complete NATRS 277-280 in summer quarter.

Note: *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.*

GREEN RIVER COLLEGE
ASSOCIATE IN APPLIED SCIENCE
NATURAL RESOURCES-WILDLAND FIRE

111 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.

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!

Contacts: Monica Priebe, ext. 4509, mpriebe@greenriver.edu

Chuck Wytko, ext. 4590, cwytko@greenriver.edu

Dept./No.	Course Title	Credits
General Education Classes		
CMST& 220	Public Speaking	5
#ENGL& 101	English Composition I	5
ENGL 128	Research Writing: Science/Engineering/Business	5
P E 113	Group Dynamic Activities	1
Natural Resources Classes		
First Year		
NATRS 114	Chainsaw Operation and Maintenance	1
NATRS 100	Introduction to Natural Resources	5
NATRS 130	Wildland Firefighter Training I-100 and S-130/190	4
NATRS 131	Advanced Wildland Firefighter Training S-131, ICS 100-800	6
#NATRS 172	Computer Applications Overview	4
#NATRS 180	Natural Resources Measurement	6
NATRS 182	Aerial Photos, GIS and Forest Navigation	8
NATRS 184	Tree, Shrub and Wildflower Identification	8
NATRS 270	Stream and Wetland Ecology	5
NATRS 290	Internship Seminar	1
Second Year		
NATRS 161	Wildlife Habitat Management	4
NATRS 192	GIS for Natural Resources	5
NATRS 284	Road and Trail Engineering	7
NATRS 286	Natural Resources Business Principles	5
NATRS 292	Resource Sampling and Appraisal of Forest Conditions	8
NATRS 293	Silvicultural Analysis and Forest Protection	4

Capstone

*NATRS 277-280	Natural Resources Internship 1-4	14

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

AVIA 123	Aviation Weather	5
ENGR 106	Introduction to Engineering Problems	3
GEOL 117	Natural Disasters w/Lab	5
HL ED 190	Standard First Aid/CPR	3
NATRS 198, 199	Independent Study-Natural Resources 1-2	1-5
NATRS 205	Wildland Recreation	4
NATRS 261	GIS Tool Applications	5
NATRS 262	GIS in the Field	5
NATRS 263	Cartography	5
NATRS 297-299	Independent Study-Natural Resources 4-6	1-5

Satisfies related instruction requirements.

* Complete NATRS 277, 278, 279 and 280 in summer quarter.

Note: 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.

GREEN RIVER COLLEGE
CERTIFICATE OF PROFICIENCY
NURSE ASSISTANT

12 Credits

This certificate program prepares graduates to develop concepts and knowledge necessary to provide entry level nurse assistant care.

Students in this certificate program must possess the following prior to enrollment in the program:

- 18 years of age
- Valid Washington State ID
- DSHS Background Check
- Washington State Patrol clearance check
- US Bachelor's Degree, College Level English Composition or CASAS Assessment score of 236 or higher
- Current Tuberculosis Test (TB): 2 step method, 2 different injections, 2–3 weeks apart
- Flu vaccination for current season
- Uniform, text book and class supplies
- Health insurance, both injury and sickness is required for participation in the program

For the complete details, please refer to the Nurse Assistant Application.

Students must earn a grade of 2.5 or higher in each class in the program to earn the certificate.

Contact: Health Occupations Admissions
Career and Advising Center
Student Affairs & Success Building, 126
253-833-9111, ext. 2641

Information Session Sign Up: www.greenriver.edu/info-sessions

Dept./No.	Course Title	Credits
NRS A 110	Nurse Assistant Theory	6
NRS A 111	Nurse Assistant Community Lab	4
NURSE 127	AIDS/CPR Safety/Infection Control	2

GREEN RIVER COLLEGE
CERTIFICATE OF PROFICIENCY
MEDICAL ASSISTANT PHLEBOTOMY

8 Credits

This certificate meets the training requirements to apply for the Washington State Department of Health Medical Assistant Phlebotomy certificate. This certificate provides basic anatomy and physiology, medical terminology, ethical, legal and regulatory issues, safety measures, infection control, special collections, how to avoid errors to becoming successful in collection and transfer of blood specimens in our current industry. Skills and techniques acquired in this certificate are veni and capillary blood collections, EKG and vital signs. BLS and HIV/AIDS certificates are acquired. A minimum grade of 2.5 or higher is required in each course.

Students will be eligible to take the national board exam upon satisfactory completion of the program.

Admission Requirements

- Must be at least 18 years old
- Must have high school diploma or high school equivalency certificate
- Must be eligible for ENGL& 101
- Health insurance, both injury and sickness is required for participation in the program

Contact: Health Occupations-Advising Center, ext. 2641

Dept./No.	Course Title	Credits
NURSE 127	AIDS/CPR Safety/Infection Control	2
PHLEB 102	Medical Assistant Phlebotomy Laboratory	3
PHLEB 104	Medical Assistant Phlebotomy	3

GREEN RIVER COLLEGE
ASSOCIATE IN APPLIED SCIENCE
PHYSICAL THERAPIST ASSISTANT

107 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 107 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.

Application Requirements:

Please refer to the PTA program website at: instruction.greenriver.edu/PTA for the most current information about application requirements or register for an information session at: greenriver.edu/infosessions.

The required prerequisites are as follows:

- Human Anatomy and Physiology 1 and 2

  The prerequisite requires 10 quarter-credits (or equivalent) of human anatomy and physiology with a lab. The minimum courses meeting this requirement at GRC are AP 103 and 104. BIOL& 241 (AP I) and BIOL& 242 (AP II) also meet this prerequisite. These courses should be completed within 7 years prior to applying to the program and completed at the same institution. Please be advised that AP 103 and AP 104 may not transfer as well to another institution.

- Communication Studies

  The courses meeting this requirement at GRC 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.

- English Composition I

  This requirement may be completed by taking either English Composition I (ENGL& 101 or equivalent transferable course).

- Math

  Any college-level MATH course (most math courses numbered 100 or higher).

The required supporting course is as follows:

Students who satisfy the above requirements will be selected based on academic preparation, placement scores, GPA, and familiarity or experience with physical therapy or closely-related field requirements. Please access the website: instruction.greenriver.edu/PTA/ or consult the Pre-PTA Program Advisor for the most current information.

The PTA program complies with the "Child/Adult Abuse Information Act," RCW 43.43.830 through 43.43.840. Authorization for 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.

Information Session Sign up: greenriver.edu/info-sessions

Dept./No.	Course Title	Credits
FIRST YEAR		
Fall Quarter		
PTA 101	Introduction to Physical Therapy	3
PTA 104	PTA Applied Anatomy	3
PTA 164	PTA Applied Anatomy Lab	2
PTA 105	Patient Care Skills	3
PTA 130	Survey of Pathophysiology 1	2
Winter Quarter		
#PTA 102	Therapeutic Interaction in Health Care	2
PTA 110	Principles of Physical Therapy Agents 1	2
PTA 160	Principles of Physical Therapy Agents 1 Lab	3
PTA 114	Tests and Measurements	2
PTA 131	Survey of Pathophysiology 2	3
Spring Quarter		
PTA 106	Neuroscience	2
PTA 166	Neuroscience Lab	1
PTA 111	Principles of Physical Therapy Agents 2	3
PTA 161	Principles of Physical Therapy Agents 2 Lab	3
PTA 113	Posture and Movement	1
PTA 163	Posture and Movement Lab	3
PTA 151	Clinical Preparation	1
SECOND YEAR		
Fall Quarter		
PTA 201	Current Trends and Professionalism in Healthcare	3
PTA 205	Functional Training	2
PTA 210	Therapeutic Exercise	2
PTA 260	Therapeutic Exercise Lab	3
PTA 212	Acute Care	2
PTA 262	Acute Care Lab	1
#PTA 251	Clinical Education 1	1
PTA 277	Clinical Affiliation 1	1

Winter Quarter

PTA 211	Advanced Rehabilitation Procedures	3
PTA 261	Advanced Rehabilitation Procedures Lab	3
PTA 213	Orthopedic Therapy	3
PTA 263	Orthopedic Therapy Lab	2
#PTA 252	Clinical Education 2	1
PTA 278	Clinical Affiliation 2	2

Spring Quarter

#PTA 253	Clinical Education 3	1
PTA 279	Clinical Affiliation 3	6
PTA 280	Clinical Affiliation 4	7

Required Supporting Course/Prerequisites

*AP 103 and	Essentials of Human Anatomy-Physiology 1 and	
AP 104 or	Essentials of Human Anatomy-Physiology 2 or	
BIOL& 241 and	Human Anatomy-Physiology 1 and	
BIOL& 242	Human Anatomy-Physiology 2	10
#CMST 100 or	Fundamentals of Oral Communication or	
CMST& 210 or	Interpersonal Communication or	
CMST& 220 or	Public Speaking or	
CMST& 230 or	Small Group Communication or	
CMST 238	Intercultural Communication	5
#ENGL& 101	English Composition I	5
#MATH	Any college-level MATH class 100 or higher	5

\# Satisfies related instruction requirements.

*Central Washington University courses (EXSCI 350, EXSCI 350Lab, EXSCI 351 and EXSCI 351Lab) and Washington State University courses (KINES/MVTST 262 and KINES/MVTST 380) meet the AP 103 and AP 104 PTA degree requirement at GRC.

105 Credits

This degree 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.

The Practical Nursing program is a 105 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. A minimum grade of 2.5 or higher is required in each nursing and supporting course. Evidence of academic proficiency is established by completion of each of the following prerequisite requirements with a 2.5 grade or higher.

The following courses are required *prior* to applying into the Practical Nursing program:

- BIOL& 241 and BIOL& 242, Anatomy & Physiology I & II (10 credits);
- BIOL& 260, Microbiology (5 credits)
- CHEM& 121, Introduction to Chemistry (5 credits)
- Communication Studies (5 credits) Choose from CMST& 210, CMST& 220, or CMST& 230
- ENGL& 101, English Composition (5 credits)
- MATH& 146, Introduction to Statistics (5 credits)
- NUTR& 101, Nutrition (5 credits)
- PSYC& 200, Lifespan Psychology (5 credits)

The student is expected to provide his/her own transportation to off-site clinical facilities that at times can be 50 or more miles away. In addition to paying for tuition and books, the student is required to purchase a uniform, pin, white shoes, watch, bandage, scissors, and liability and health insurance. In order to attend clinical rotations, students must also successfully pass both a criminal and a Washington State Department of Social and Health Services background check. For additional information about a required nursing orientation and the application procedure, contact the Health Occupations Advisor in Career and Advising Center, at ext. 2641.

Upon successful completion of the required credits, the student will earn an Associate in Applied Science degree 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 for information regarding legal convictions, and drug/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 Commission on Colleges and Universities.

Contacts: KaraLynn LaValley, ext. 6882, klavalley@greenriver.edu

Lisa Nelson, ext. 4215, anelson@greenriver.edu

Information Session Sign up: www.greenriver.edu/info-sessions

Dept./No.	Course Title	Credits
Fall Quarter		
NURSE 101	Introduction to Nursing & Technology	2
NURSE 102	Introduction to Pharmacology in Nursing	2
NURSE 104	Fundamentals of Health	6
NURSE 105	Fundamentals of Health Community Lab	4
Winter Quarter		
NURSE 106	Med-Surg I	5
NURSE 107	Med-Surg I Community Lab	8
NURSE 111	Mental Health Nursing	3
Spring Quarter		
NURSE 109	Med-Surg II Community Lab	8
NURSE 110	Med-Surg II	8
NURSE 114	Intravenous Therapy	2
Summer Quarter		
NURSE 112	Reproductive/OB/Pediatric Nursing	4
#NURSE 113	Advanced Community Lab	7
NURSE 123	Emergency Care & Disaster Preparedness	1

Curriculum Requirements:

Students must have a grade of 2.5 or higher in the following prerequisites/supporting courses:

BIOL& 241 & BIOL& 242	Human Anatomy-Physiology 1 and 2	10
BIOL& 260	Microbiology	5
CHEM& 121	Introduction to Chemistry	5
#CMST& 210 or	Interpersonal Communication or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
#ENGL& 101	English Composition	5
#MATH& 146	Introduction to Statistics	5
NUTR& 101	Nutrition	5
PSYC& 200	Lifespan Psychology	5

 # Satisfies related instruction requirements.

GREEN RIVER COLLEGE
BACHELOR OF APPLIED SCIENCE
REALTIME REPORTING:
COURT REPORTING & CAPTIONING

180 Credits

The BAS degree in Realtime Reporting: Court Reporting & Captioning is designed to prepare students for employment in the fields of realtime official and freelance judicial reporting, broadcast captioning, or educational captioning, also known as CART (Communication Access Realtime Translation).

Realtime court reporters record the verbatim proceedings of a courtroom, deposition, hearing, arbitration, or meeting and provide an accurate transcript of the proceedings. Realtime captioners are specially trained court reporters called stenocaptioners. They provide captions of live television programs and other media, or classes, meetings, conferences, church services, etc., to provide instant conversion of speech to text for people with hearing loss. These high-tech career fields utilize a steno machine, specialized machine shorthand theory, and computer software to translate the spoken word to readable text via digital output or transcripts.

Green River's Court Reporting and Captioning program is approved by the National Court Reporters Association. Entry requirements into the BAS Realtime Reporting program are:

- Possess an AAA or AAS degree in Realtime Transcription, Court Reporting, or Captioning from an NCRA-approved program with a cumulative GPA of 2.5 or better
- Completion of ENGL& 101 with a grade of 2.5 or better
- Completion of MATH 097 with a grade of 2.5 or better

NOTE: Students who may not meet the stated entry requirements should contact program faculty to learn about alternative pathways for entry into the BAS program.

Upon completion of the required classes, students qualify for the Bachelor of Applied Science degree in Realtime Reporting with a concentration in either court reporting or captioning/CART.

Judicial Court Reporting students must complete 60 hours of internship of which 50 hours is actual writing time during internship training; passed three five-minute tests with 96 percent accuracy or above 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 above. In addition to course work, there are state and/or national examinations that a student should pass to become a court reporter. Reporters must pass the Washington State Licensing examination in order to be certified to work in the state of Washington.

Broadcast Captioning students must complete 25 hours of writing time on campus, off-site, or remotely, under the supervision of an institutional instructor or practicing captioner. Fifteen hours of research and dictionary preparation is also required. Students must pass three 15-minute literary broadcast material takes at 180 wpm at 96 percent accuracy or higher; and pass three 5-minute realtime literary tests with a minimum of 96 percent accuracy.

Educational Captioning (CART) students must complete 25 hours of writing time on campus, off-site, or remotely, under the supervision of an institutional instructor or a practicing CART captioner. Fifteen hours of research and dictionary preparation is also required. Students must pass three 5-minute realtime literary takes at 180 wpm at 96 percent accuracy; pass two 5-minute tests on Q&A (two-voice) at 225 wpm with   95 percent accuracy; submit an unedited realtime translation of two 30-minute segments on varied topics with variable speeds of 180-200 wpm with a goal of 96 percent accuracy or higher for evaluation purposes. In addition to the course work, there are state and/or national examinations that are recommended a student should pass to become a captioner/CART provider.

For more information about this degree, please contact either of the following:
Lori Rapozo, ext. 4219 lrapozo@greenriver.edu   Sidney Weldele-Wallace, ext.4705 sweldele@greenriver.edu

Dept. No.	Course Title	Credits

General Education Requirements (60 credits)

Communication Skills - 15 Credits

ENGL& 101	English Composition I	5
ENGL 126	Writing: Humanities **or**	
ENGL 127	Writing: Social Science **or**	
ENGL 128	Research Writing: Science, Engineering, Business **or**	
ENGL& 235	Introduction to Technical Communication	5
CMST& 210	Interpersonal Communication **or**	
CMST& 220	Public Speaking **or**	
CMST& 230	Small Group Communication	5

Quantitative/ Symbolic Reasoning Skills - 5 credits

MATH& 107	Math in Society **or**	
MATH 147	Finite Mathematics-Business and Social Science	5

Humanities/Fine Arts/English - 10 Credits

CMST 238	Intercultural Communication **or**	
CMST 338	Organizational Diversity	5
PHIL 112	Ethics in the Workplace **or**	
PHIL 240	Introduction to Ethics **or**	
PHIL 412	Professional Ethics	5

Social Sciences – 10 Credits

BUS& 101	Introduction to Business	5
BUS& 201	Business Law and the Regulation of Business **or**	
CJ& 101	Introduction to Criminal Justice **or**	
CJ 220	Multicultural Diversity in Criminal Justice **or**	
PSYC& 100	General Psychology **or**	
SOC 205	Sociology of Disability **or**	
SOC 260	Crime and Justice **or**	
Five credits from Social Science courses approved for the AA-DTA degree		5

Natural Sciences – 10 Credits

Five credits lab science from Natural Science List A for the AA-DTA degree		5
MATH 256	Statistics for Business and Social Science **or**	
	Five credits from Natural Science List B for the AA-DTA degree	5

Additional General Education – 10 Credits

Ten credits from Humanities/Fine Arts/English, Social Science, or Natural Science courses approved for the AA-DTA degree		10

Core Requirements (60 credits)

CRC 311	Machine Shorthand Literary 180 wpm	4
CRC 312	Machine Shorthand Testimony 180 wpm	4
CRC 313	Machine Shorthand Jury Charge 180 wpm	4

CRC 321	Machine Shorthand Literary 200 wpm	4
CRC 322	Machine Shorthand Testimony 200 wpm	4
CRC 323	Machine Shorthand Jury Charge 200 wpm	4
CRC 412	Machine Shorthand Testimony 225 wpm	4
CRC 490	Professional Portfolio	3
BUS 400	Personal and Professional Branding	5
MGMT 300	Organizational Leadership	5
MGMT 395	Marketing Management	5

AND

Judicial Court Reporting Focus

CRC 314	Certification Prep 1	4
CRC 324	Certification Prep 2	4
CRC 350	Reporting Intern	2
CRC 414	Certification Prep 3	4

OR

Captioning/CART Focus

CRC 360	Captioning Practicum 1	4
CRC 361	Captioning Practicum 2	4
CRC 450	Certified Realtime Captioner Prep/Testing 1	3
CRC 451	Certified Realtime Captioner Prep/Testing 2	3

Required Additional Credits (60 credits)

Additional credits from an Associate Degree in Court Reporting, Captioning, or Realtime Transcription   60

GREEN RIVER COLLEGE
ASSOCIATE IN APPLIED ARTS
REALTIME TRANSCRIPTION

149 Credits

Realtime court reporters record the verbatim proceedings of a courtroom, deposition, hearing, arbitration, or meeting and provide an accurate transcript of the proceedings.

Realtime captioners are specially trained court reporters called stenocaptioners. They provide captions of live television programs and other media, or classes, meetings, conferences, doctor appointments, church services, etc., to provide instant conversion of speech to text for people with hearing loss.

These high-tech career fields utilize a steno machine, specialized machine shorthand theory, and computer software to translate the spoken word to readable text via digital output or transcripts.

Realtime transcription delivers a high level of proficiency in text entry/transcription of recorded material and is an intermediate-level, steno-based realtime skill that offers potential employment opportunities in the expansive field of transcription services.

Green River's Court Reporting and Captioning 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 placement test score of 90 percent accuracy or higher or ENGL 090 is required.

Completion of the Associate in Applied Arts in Realtime Transcription will provide the foundation for seamless entry into the BAS in Realtime Reporting: Court Reporting & Captioning degree program, which further prepares students with the skills and abilities to work as realtime freelance or official judicial reporters or broadcast or educational captioners.

For more information about this degree, please contact either of the following:

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

Dept./No.	Course Title	Credits
#B A 145	Business Computation or	
BTAC 110 or	Business Math Applications or	
MATH 097 or	Intermediate Algebra or	
MATH& 107	Math in Society	5
BTAC 109	Legal Terminology	3
BTAC 125	Medical Terminology for Office Administration	5
#BTAC 130 or	Business Correspondence or	
ENGL& 101 or	English Composition I or	
ENGL 109	Writing for Trades and Professional/Technical Degrees	5
#CMST 100 or	Fundamentals of Oral Communication or	
CMST& 210 or	Interpersonal Communication or	
CMST 217 or	Communication for Business and Professions or	
CMST& 220	Public Speaking	5
CRC 101	Machine Shorthand Theory 1	8
CRC 102	Machine Shorthand Theory 2	8
CRC 103	Machine Shorthand Theory 3	8
CRC 111	Machine Shorthand Literary 60 wpm	4
CRC 112	Machine Shorthand Testimony 60 wpm	4
CRC 121	Machine Shorthand Literary 80 wpm	4

CRC 122	Machine Shorthand Testimony 80 wpm	4
CRC 131	Machine Shorthand Literary 100 wpm	4
CRC 132	Machine Shorthand Testimony 100 wpm	4
CRC 133	Machine Shorthand Jury Charge 100 wpm	4
CRC 141	Machine Shorthand Literary 120 wpm	4
CRC 142	Machine Shorthand Testimony 120 wpm	4
CRC 143	Machine Shorthand Jury Charge 120 wpm	4
CRC 144	Machine Shorthand Medical QA 120 wpm	4
CRC 150	Computer-Aided Transcription – Beginning	3
CRC 151	Computer-Aided Transcription – Advanced	3
CRC 211	Machine Shorthand Literary 140 wpm	4
CRC 212	Machine Shorthand Testimony 140 wpm	4
CRC 213	Machine Shorthand Jury Charge 140 wpm	4
CRC 214	Machine Shorthand Medical QA 140 wpm	4
CRC 221	Machine Shorthand Literary 160 wpm	4
CRC 222	Machine Shorthand Testimony 160 wpm	4
CRC 223	Machine Shorthand Jury Charge 160 wpm	4
CRC 224	Machine Shorthand Medical QA 160 wpm	4
#CRC 250	Court Reporting Procedures 1	5
CRC 251	Court Reporting Procedures 2	5
CRC 260	Introduction to Captioning/Alternative Careers	3
ENGL 105	Grammar and Usage	5
INFO 110	Information Literacy and Research Skills	2

#Satisfies related instruction requirement.

GREEN RIVER COLLEGE
ASSOCIATE IN APPLIED SCIENCE
UNMANNED AERIAL SYSTEMS

90 Credits

This degree will introduce students to the world of unmanned aerial systems (UAS) and will allow them to learn about the regulatory environment, licensing issues, operational requirements, and commercial uses of unmanned aerial vehicles (UAV). The degree will also instruct students in basic and advanced flying skills with emphasis in photography, surveying, and inspections. Additionally, the program will instruct in component integration and UAS building.

Contact: Jerry Wolfe, ext. 4339, jwolfe@greenriver.edu

Dept./No.	Course Title	Credits
A SIM 111	Private Pilot Flight Simulations	1
AVIA 103	Aviation History and Careers	5
AVIA 111	Private Pilot Ground School	5
AVIA 123	Aviation Weather	5
AVIA 211	Aerodynamics for Pilots	5
AVIA 212	Aviation Safety and Human Factors	5
#AVIA 270	Air Traffic Control Fundamentals	5
#CMST& 210 or	Interpersonal Communications or	
CMST& 220 or	Public Speaking or	
CMST& 230	Small Group Communication	5
#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
Humanities/Fine Arts/English	Any Humanities/Fine Arts/English course 100 level or higher	5
#MATH 106 or	Essentials of Pre-Calculus Math or	
MATH& 107 or	Math in Society or	
MATH 108 or	Contemporary Math for Information Technology or	
MATH& 141 or higher	PreCalculus I or higher	5
NATRS 107	Drones Operations	2
NATRS 109	Introduction to Unmanned Aerial Systems	5
NATRS 172	Computer Applications Overview	4
Natural Science	Any Natural Science course 100 level or higher with a lab	5

Electives: *Select 23 credits from the following list of courses below to total 90 credits:*

Any AVIA or A SIM, BUS, Computer / IT courses.

D T 116	Introduction to 3D Printing	2
D T 117	Modeling for 3D Printing	4

 # Satisfies related instruction requirements.

GREEN RIVER COLLEGE
CERTIFICATE OF PROFICIENCY
UNMANNED AERIAL SYSTEMS (UAS) BASIC OPERATOR

16 Credits

This certificate will provide the student with all the basic required knowledge to become a UAS/UAV operator as required by the Federal Aviation Administration.

Contact: Jerry Wolfe, ext. 4339, jwolfe@greenriver.edu

Dept./No.	Course Title	Credits
AVIA 111	Private Pilot Ground School	5
NATRS 107	Drone Operations	2
NATRS 109	Introduction to UAS	5
NATRS 172	Computer Applications Overview	4

GREEN RIVER COLLEGE
ASSOCIATE IN APPLIED SCIENCE
WELDING TECHNOLOGY

98-105 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/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 Schrieber, ext. 4421, sschreiber@greenriver.edu

Dept./No.	Course Title	Credits
First Year		
#ACOMP 101 **or**	Computation for Trades **or**	
	Eligible for MATH 070 Pre-Algebra **or**	
	Completion of MATH 062 Review of Arithmetic	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 Cutting	13
WELD 142	Intermediate Welding	13
WELD 143	Advanced Arc Welding	13
Second Year		
#Human Relations	Any course that satisfies the Human Relations-Related	
	Instruction Requirements	5
I E 189 or	Basic Metallurgy or	
MFG 162	Applied Materials for Manufacturing	2-4
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

*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.*