

GRAYS HARBOR COLLEGE

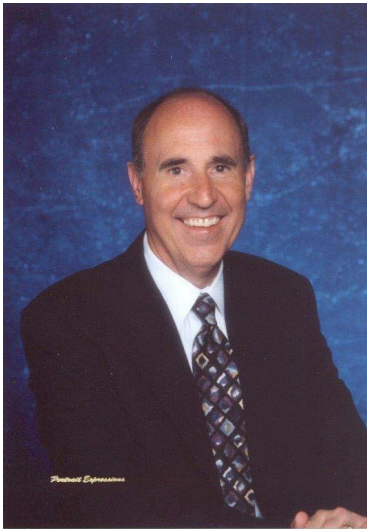


CATALOG

2013
2014



Welcome to Grays Harbor College and the 2013-2014 Academic Year!



Encouraging the success of our students is a long-standing tradition at Grays Harbor College, for nearly 85 years now. Regardless of whether students are pursuing an associate degree with plans to transfer on to a four-year university, learning new job skills or striving to improve themselves by earning a GED, mastering English as a new language, or enrolling in one of our community special interest courses, we help our students succeed.

Each year, all of us associated with the College pledge to serve our students throughout Grays Harbor and Pacific counties to the very best of our abilities. We want you to know about all of the options available to help you achieve your own educational goals while enrolled at GHC. Remember, everyone here is eager to lend a helping hand; please do not hesitate to ask any of us for help.

This legacy of serving and nurturing success, initiated more than eight decades ago in an old wooden schoolhouse, continues today with our excellent faculty and dedicated staff. This Fall, construction begins on our new Gene Schermer Instructional Building on upper campus, proof that we expect to continue serving this community for generations to come. Use this complete catalog to explore the options we offer in planning your courses and your future. We will be with you all along the way because your success is important to all of us here at Grays Harbor College.

Best wishes for a rewarding and successful year at GHC!

Dr. Edward J. Brewster
President

2013-2014 CATALOG



*Celebrating a Tradition
of Excellence in Education
Since 1930*



Published Summer 2013
Grays Harbor College
1620 Edward P. Smith Drive
Aberdeen, WA 98520
Telephone: (360) 532-9020
In State Toll Free: 1-800-562-4830
Fax: (360) 538-4299
GHC on the Web: <http://ghc.edu>

Table of Contents

Academic Standards.....	19
Additional Learning Opportunities.....	28
Admissions/Registration.....	6
Adult Basic Education.....	28
Associate in Arts DTA.....	36
Associate in Business DTA/MRP.....	40
Associate in Pre-Nursing DTA/MRP.....	42
Associate in Science Track 1 and 2.....	44
Associate in Science.....	47
Associate in Applied Science.....	50
Athletics.....	27
Calendar.....	2
Class Information.....	3
Continuing Education.....	29
Course Descriptions.....	72
Degrees.....	30
Distribution Requirements.....	36
Faculty/Administration.....	123
Financial Aid.....	13
GED® Testing.....	28
General Information.....	3
GHC Foundation.....	4
Harassment Policy.....	5
Learning Center.....	23
Library/Media Center.....	27
Nursing Program Requirements.....	10, 63
Professional Technical Programs/Degrees.....	50
Scholarships.....	15
Services to Students.....	23
Student Life and Activities.....	26
Student Outcomes.....	33
Student Records.....	17
Students' Right to Know.....	5
Student Support Center.....	23
TRiO.....	23
Tuition, Fees, and Refunds.....	12
WorkFirst.....	24

Grays Harbor College Board of Trustees Members

Mr. Art Blauvelt
Ms. Rebecca Chaffee
Ms. Denise Portmann
Mr. Randy Rust
Ms. Fawn Sharp

Important Phone Numbers

College General.....	1-800-562-4830
	360-532-9020
Admissions and Records.....	360-538-4026
Bookstore.....	360-538-4106
Childcare Center.....	360-538-4190
Student Support Center.....	360-538-4099
Financial Aid Office.....	360-538-4081
Instruction Office.....	360-538-4009
Library.....	360-538-4050
Safety & Security.....	360-538-4154
Student Government.....	360-538-4087
Student Services Office.....	360-538-4066
Student Success Office.....	360-538-4181

Off-Campus Locations

Riverview Education Center.....	360-875-9466
Raymond	Fax: 360-875-9467
Columbia Education Center.....	360-642-9433
Ilwaco	Fax: 360-642-9434
Whiteside Education Center.....	360-533-9733
Aberdeen	Fax: 360-533-9779

Catalog Photographs

Photographs in this catalog were taken by:
Molly Bold

GHC Catalog 2013-2014

This catalog is published for informational purposes only. Every possible effort has been made to insure accuracy at the time of printing. However, Grays Harbor College reserves the right to change regulations regarding admission, instruction, graduation, and any other matters affecting the student. It also reserves the right to withdraw courses and to change fees. Students must take the responsibility for being aware of any changes in provisions and requirements that could affect them.

Grays Harbor College is committed to ensuring freedom from discrimination based on sex, race, creed, religion, color, national origin, age, marital status, sexual orientation, disabled and veteran status, genetics, or the presence of any physical, sensory or mental disability, in accordance with current state and federal laws. The following persons have been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Services and/or Office of Human Resources, Grays Harbor College, 1620 Edward P. Smith Drive, Aberdeen WA 98520, (360) 532-9020.



GRAYS HARBOR COLLEGE

Mission, Vision, and Values Statement

OUR VISION

Grays Harbor College is a catalyst for positive change.

OUR MISSION

Grays Harbor College provides meaningful education and cultural enrichment through academic transfer, workforce preparation, basic skills, and service to community.

OUR CORE THEMES

Academic Transfer
Workforce Preparation
Basic Skills
Service to the Community

OUR VALUES

Access to educational opportunities
Success for students, faculty and staff
Excellence in programs, practices and principles
Respect for diversity of people, ideas, culture and the environment
Effective and efficient use of resources

Summer Quarter 2013

First day of classes July 1
 “W” Day (Thursday, 4th week) July 25
 Last day of classes (6 weeks).....August 8

Fall Quarter 2013

Fall Kick-off..... September 16
 Fall Fast4ward.....September 17-19
 All campus meetings..... September 18
 Prep and Final Registration..... September 20
 First Day of Classes September 23
 Faculty Professional Day (No Classes)..... October 11
 “W” Day (Thursday, 7th week) November 7
 Veterans’ Day Holiday November 11
 Registration for 24+ credits begins November 18
 Registration for ≤ 23 credits begins November 21
 Registration for new, night-only, CE begins.... November 25
 Thanksgiving Holiday..... November 28-29
 Last Day of Classes.....December 9
 Testing..... December 10-12
 Faculty Preparation DayDecember 13

Winter Quarter 2014

First Day of ClassesJanuary 6
 Final Registration.....January 3
 Martin Luther King Holiday January 20
 All College Day (No Classes).....February 14
 “Presidents’ Day Holiday.....February 17
 “W” Day (Thursday, 7th week)February 20
 Registration for 24+ credits beginsMarch 3
 Registration for ≤ 23 credits beginsMarch 6
 Registration for new, night-only, CE begins.....March 10
 Last Day of Classes.....March 24
 Testing..... March 25-27
 Faculty Preparation DayMarch 28

Spring Quarter 2014

First Day of ClassesApril 14
 Final Registration.....April 11
 Memorial Day Holiday May 26
 “W” Day (Thursday, 7th week)May 29
 Registration for 24+ credits beginsJune 2
 Registration for ≤ 23 credits beginsJune 5
 Registration for new, night-only, CE begins.....June 9
 Last Day of Classes.....June 23
 Testing..... June 24-26
 Faculty Preparation Day/GraduationJune 27

Summer Quarter 2014

First day of classes July 7
 “W” Day (Thursday, 4th week) July 31
 Last day of classesAugust 14

NOTE: WAOL classes may start on dates different from the Grays Harbor College calendar. Please check the quarterly schedule for specifics.

Accreditation

Grays Harbor College is accredited by the Northwest Commission on Colleges and Universities.

Accreditation of an institution of higher education by the Northwest Commission on Colleges and Universities indicates that it meets or exceeds criteria for the assessment of institutional quality evaluated through a peer review process. An accredited college or university is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.

Accreditation by the Northwest Commission on Colleges and Universities is not partial but applies to the institution as a whole. As such, it is not a guarantee of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

Inquiries regarding an institution's accredited status by the Northwest Commission on Colleges and Universities should be directed to the administrative staff of the institution. Individuals may also contact: Northwest Commission on Colleges and Universities, 8060 165th Avenue N.E., Suite 100, Redmond, WA 98502, (425-558-4224, www.nwccu.org).

The College is a member of the Trustees Association of Community Colleges (TACTC), the Washington Association of Community and Technical Colleges (WACTC), the American Association of Community and Junior Colleges, the Northwest Commission on Colleges and Universities, and the Northwest Association of Community and Junior Colleges.

Class Information

Learning at Grays Harbor College is delivered in a variety of class formats.

Face-to-Face: These courses are conducted in a traditional classroom with students required to attend in-person on-campus sessions.

Online: Courses are conducted entirely online and have no face-to-face requirement. All online courses use the CANVAS Learning Management Suite as the virtual classroom.

Hybrid: In these courses, students are required to meet in person as well as online. CANVAS or another web-based tool is used for the online component.

ITV: Courses are taught via interactive television typically consisting of video and audio transmission allowing instructors and students to see, hear, and respond to each other in real time. Interactive TV courses are between two or more locations.

Enhanced: Courses are taught on a traditional schedule, but also offer some additional activities using alternative learning experiences to replace some in person attendance.

Having a range of options in how courses are accessed by students has been shown to accommodate different learning styles, allowing students more flexibility to fit a college education into their busy lives.



Common Course Numbering

In 2007, Washington State community and technical colleges implemented the Common Course Numbering Project to ease the transfer of credits among the 34 institutions. The same courses are titled and numbered in a similar way at every Washington community college and are designated with an "&" (e.g. ENGL& 101). Common Course Numbering is designed to help you, the student, know that a course you have taken at one Washington school is the same at another Washington school and the course will transfer easily. Courses without an "&" still transfer under the Direct Transfer Agreement. If you have any questions, please contact the GHC Admissions Office, (360) 538-4030.

Grays Harbor College History

Grays Harbor College, a two-year community college, first opened for students on September 28, 1930, after a group of Aberdeen citizens organized the concept of a college and then received the charter from the State of Washington. For the first four years, the College was located in the old Franklin School building on Market Street, later moving to Terrace Heights (1934-1945) and eventually to a building next to the current Sam Benn Gym (1945-1955). Originally the College was operated as a private institution, but came under control of the Aberdeen School District in 1945, which provided much needed financial stability. Since that time, Grays Harbor College has continuously served residents of both Grays Harbor and Pacific counties, offering academic, professional and technical courses at a reasonable cost and giving them the opportunity to learn and live at home.

Funds were allocated for purchase of the current 40-acre site overlooking the Harbor in 1955 and classes opened at this existing location in 1958. The College included classrooms, science laboratories, library, gymnasium, administrative offices and the student service facility (HUB). Numerous additions, renovations and major remodeling projects have occurred over the years and kept the College vibrant and modern for students and the community. Many of the buildings and spaces on campus are named in honor of cherished longtime College faculty and administrators. The last building to be added was the child care center, which opened in 2009 and was financed by grants and fund-raising efforts spearheaded by the Grays Harbor College Foundation. Construction is now underway on a new instructional building located on upper campus and named for Gene Shermer, longtime Chemistry instructor and administrator.

Grays Harbor College Foundation

The Grays Harbor College Foundation is among the oldest community college foundations in the Northwest, founded in the 1960's with proceeds raised from gala Starlight Ball community events. Since that time, the Foundation has continued to award scholarships to deserving students and pursue other areas of support for the College. The Foundation Board of Directors meets monthly on the main campus and includes more than 25 community leaders from the College's service area. In the year just ended, more than \$550,000 in scholarships was awarded by the GHC Foundation.

Now in its 15th year, the Foundation's World Class Scholars program is a challenge to youth and a promise of a partial tuition scholarship at Grays Harbor College. Every high school graduate from a Pacific or Grays Harbor County school who commits in junior high school to complete their four-year high school program as a strong student and citizen is eligible for this GHC scholarship. Currently the Grays Harbor College Foundation provides \$1,500 per World Class Scholar and more than 1,200 young people have received this funding since 1999.

Expanding in several other directions recently, the Foundation also awards Hughes Tool Scholarships to qualified vocational students, provides funding for staff excellence recognition, contributes to capital projects and manages many endowed scholarship funds. Donations of any amount are encouraged and the wishes of prospective donors are matched with the unmet needs of the College and its students. In addition, the ten original scholarships, first awarded when the Foundation began, continue to be presented to deserving students each year along with many others.

The Foundation Office is located on the main campus. For further information about contributions to the Foundation or creating scholarship endowments, contact the office at (360) 538-4243 or online at [Grays Harbor Foundation](#).

Equal Opportunity

Grays Harbor College provides equal opportunities and equal access in education and employment for all persons. The college is committed to ensuring freedom from discrimination based on sex, race, creed, religion, color, national origin, age, marital status, sexual orientation, disabled and veteran status, genetics, or the presence of any physical, sensory or mental disability, in accordance with current state and federal laws.

Inquiries regarding compliance with equal opportunity/affirmative action should be directed to the Chief Human Resource Officer, Grays Harbor College, Aberdeen, WA 98520 or Equal Employment Opportunity Commission, 2815 Second Avenue, Suite 500, Seattle, WA 98121.

For questions or concerns on matters affecting women or persons with handicaps, contact the Vice President for Student Services, Title IX and 504 Officer, in Building 100.

Equity and Diversity Resource Center

What is Equity? The principle that every person deserves fair and impartial treatment.

What is Diversity? Social inclusiveness that includes but is not limited to differences in ethnicity, socioeconomic status, personal beliefs and values, gender, physical appearance and abilities, religion, political views, age, sexual orientation, and language.

The Equity and Diversity Center, located in the 200 building, promotes awareness, respect, and equitable treatment of the diverse individuals and groups on campus. The Center hosts discussions, activities, and trainings. It also has a collection of resource material, including books, magazines and DVDs. The Center is supported by the Multicultural Club and the Diversity Committee. To contact the Center, email edrc@ghc.edu or call 360-538-4247.



Harassment Policy Statement

Grays Harbor College, as a place of work and study, aspires to be free of all forms of harassment, discrimination, intimidation, and exploitation. The college will take action to prevent and correct such behavior. Retaliation against any employee, student, applicant or volunteer who reports harassment is also subject to discipline.

Sexual harassment is unwelcome and/or offensive verbal or physical conduct of a sexual nature, unwelcome or unsolicited sexual advances or requests for sexual favors when:

1) submission to such conduct is made a condition of an individual's employment or academic standing; or 2) submission to or rejection of such conduct is used as the basis for employment or academic decisions; or 3) such conduct has the purpose or effect of unreasonably interfering with an individual's work or academic performance, or creates a hostile working or educational environment.

Examples of sexual harassment can include but are not limited to:

- Repeated, offensive and unwelcome insults and/or jokes;
- Repeated, unwelcome comments about an individual's body or clothing;
- Deliberate and unwelcome touching such as patting, pinching, hugging or repeated brushing against an individual's body;
- Pressure for dates or sex in exchange for grades, promotions or salary increases; and
- Persistent unwelcome flirtation, advances and/or propositions of a sexual nature.

If a student feels that he or she is being harassed, the student should report it to either the Chief Human Resource Officer or the Vice President for Student Services. Resolution options may include: mediation through a liaison between parties, a face-to-face meeting between parties, or filing of a formal complaint with the Chief Human Resource Officer or the Vice President for Student Services. Information on the formal complaint process is available from the Chief Human Resource Officer or the Vice President for Student Services.

The College's entire sexual harassment policy may be found in the College's Operational Policies and Administrative Procedures Manual and is available on the GHC web site ([Board Policy 625](#)) and in the Student Services Office.

Drug and Alcohol Abuse Statement Purpose

Grays Harbor College is very concerned about the health and welfare of its students. College programs for drug and alcohol abuse prevention are free and confidential. Students are highly encouraged to seek assistance from the Student Support Center, where counselors are available to refer students to appropriate resources.

The college also offers academic courses dealing with alcohol and substance abuse. Drugs and Our Society (5 credits) is an example of such a course that provides basic understanding of the classifications of drugs. Other courses include Survey of Chemical Dependency and Pharmacology of Alcohol/Drugs.

For more information about the College's Alcohol/Substance Abuse Prevention services and policies, contact the Grays Harbor College Student Support Center in the Hillier Union Building (HUB).

The following agencies are also very supportive of students who have alcohol or substance abuse concerns:

Alcohol & Drug 24-Hour HELP line	800-562-1240
East Center Recovery	537-6460
Evergreen Counseling Center	532-8629
Alcoholics Anonymous	532-2691
Narcotics Anonymous	532-0663
Crisis Line	800-685-6556 or 532-4357

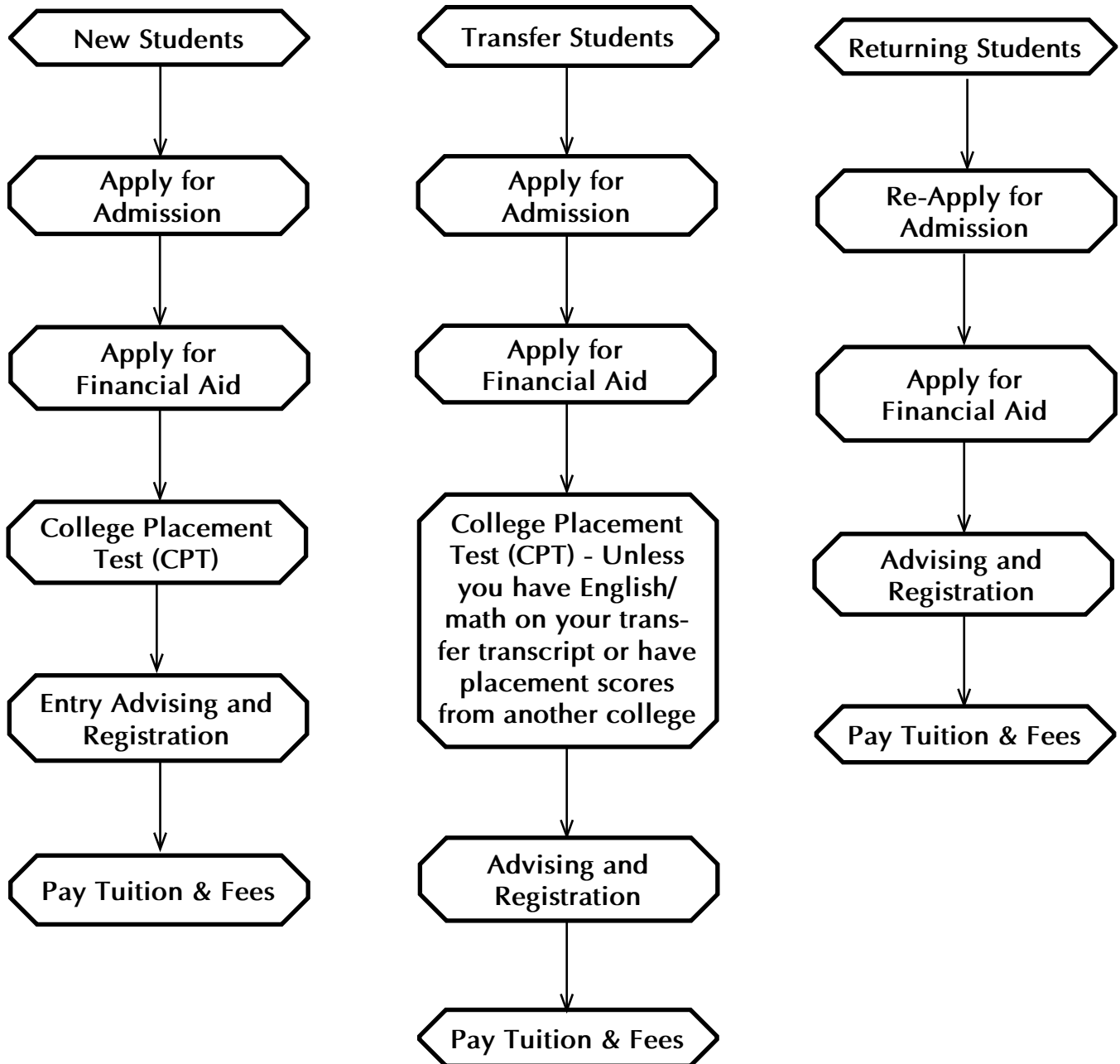
Students' Right to Know

Federal and state laws require higher education institutions like Grays Harbor College to provide students, prospective students and student employees information regarding:

- Standards of conduct that prohibit unlawful possession, use, or distribution of illicit drugs and alcohol;
- College security and safety policies and programs including campus crime statistics (see [Security and Safety Policies](#));
- Graduation or completion rates by full-time undergraduate student athletes by race and sex for basketball and baseball, with all other sports combined (see [completion rates](#)); and
- Graduation or completion rates for selected programs.

Specific information regarding the above can be obtained by contacting the Vice President for Student Services Office. The Aberdeen Police Department is the local law enforcement agency with jurisdiction at the main Grays Harbor College campus. The Grays Harbor County Sheriff's Department maintains a registered sex offender website ([GH County Sheriff's Department](#)).

The basic procedures for admission and registration are provided below. Detailed information is available on the following pages.



Additional Important Information

- Students interested in receiving financial aid should be certain your financial aid application is submitted 6-8 weeks before the quarter you wish to start.
- Fast4Ward to Success: students new to college will need to participate in the required new student orientation prior to your first quarter.
- Transfer Transcript: If you want to use any credits from another college to apply to a degree/certificate at GHC you will need to have an official transcript sent to the GHC Admissions & Records Office.

Admission Policy

In accordance with WAC 131-12-010, any applicant for admission to Grays Harbor College shall be admitted when, as determined by the President or his or her designee, such applicant:

- Is competent to profit from the curricular offerings of the college; and
- Would not, by his or her conduct, create a disruptive atmosphere within the college inconsistent with the purposes of the institution; and
- Is eighteen years of age or older; or
- Is a high school graduate, or the equivalent; or
- Has qualified for admission under the provisions of the Running Start student enrollment options program.

Exceptions may be made by the Vice President for Student Services or designee.

Admission Requirements

All students must complete an application. The student may obtain the Standard Application for Admission at all high schools in Washington State or from the college. The application must be completed by the student and submitted to the Office of Admissions and Records. It is available at [Admissions Application](#).

Transcripts of Previous College Work

Students with previous college classes must submit transcripts of former work to the Office of Admissions and Records. These transcripts will be evaluated to determine credit equivalency (see [page 31](#), Transferring Credit to Grays Harbor College, for details).

Grays Harbor College Placement Test

The placement test measures reading, English, and math skills. Placement scores are used to determine whether a student can enroll in college level courses or whether pre-college classes must be taken first. Therefore we strongly encourage you to review and prepare for the test so your placement can be as accurate as possible, potentially saving you time and money. This test is required of all students planning to register for a course which has a reading, English, or math prerequisite and is good for three years.

Follow these three steps for placement testing:

1. Pay for the test at the GHC Business office or by calling 360-538-4040. There is a fee of \$10 per battery of tests (reading, English, and math) or \$5 per subject of the test.
2. Prepare for the test by doing your own review of math and English skills or by using practice questions found on the College Placement website at: <http://www.ghc.edu/counseling/testing.htm>.
3. Complete the test at the Student Support Center. Placement testing is conducted on a drop-in basis; call 360-538-4099 for drop-in hours.

Placement Reciprocity

1. A student who qualifies for a specific level of pre-college math, English, or reading, either through course completion or local skills assessment at another Washington CTC, will have that course placement level honored at Grays Harbor College if the student so requests, even if the courses may not be exact equivalents.
2. A student who qualifies for entry into college-level math, English, or reading, either through course completion or local skills assessment at another Washington CTC, will be considered to have met the entry college-level standards at Grays Harbor College.
3. Students requesting placement reciprocity must initiate the process within one year of their initial placement assessment at their former CTC.

Transfer students will need to test if they do not have placement scores for reciprocity or if they do not have English or math courses on their college transcript.

Admissions Procedures

New Students

- Apply for Admission;
- Apply for Financial Aid;
- College Placement Test (CPT) - Prepare for, pay and take the CPT;
- Entry advising and Registration - schedule an entry advising session and register for classes;
- Pay tuition and fees; and
- Fast4Ward to Success - Participate in the required new student orientation prior to your first quarter.

Transfer Students

- Apply for Admission;
- Apply for Financial Aid;
- College Placement Test - (CPT) Unless you have English/math on your transfer transcript or you have placement test scores from another college;
- Advising and Registration - schedule an advising session and register for classes;
- Pay tuition and fees; and
- Official Transfer Transcript - If you want to use any credits from another college to apply to a degree/certificate at GHC you will need to have an official transcript sent to the GHC Admissions & Records Office.

Students Returning After an Absence of One or More Quarters

- Re-Apply for Admission;
- Apply for Financial Aid;
- Advising and Registration - Meet with your faculty advisor or schedule an advising session and register for classes; and
- Pay tuition and fees .

Advising is Important

Never underestimate the value of academic advising. Your advisor can offer help and advice that can ultimately save you time and money.

Why you should work with your academic advisor:

Academic advisors can help you avoid mistakes like these:

- Taking courses that do not meet graduation requirements;
- Failing to meet admission requirements for other colleges;
- Missing prerequisites and deadlines for required courses;
- Seeing long-range plans disrupted when not all courses are offered every quarter; and
- Enrolling in courses which are too difficult or too easy.

What you can expect from your academic advisor:

- Knowledge of institutional programs, procedures and policies, graduation and major requirements, deadlines, registration, and transfer information;
- Assistance in finding the right resources to help solve problems;
- Guidance in planning your career goals; and
- Assistance in developing an educational plan.

What your academic advisor expects from you:

You must take responsibility for your education by:

- Reading the GHC catalog;
- Asking your advisor about certificate and/or degree requirements in your area of study. Be sure you are always moving toward your goal;
- Submitting all transcripts from other institutions to be evaluated;
- Informing your advisor of all tests you've taken (SAT, AP, CLEP, vocational interest/aptitude or others) and making sure the college has an official copy of your scores;
- Learning the entrance requirements at your transfer school, including any special requirements; and
- Knowing when registration begins every quarter and meeting with your advisor before that date.

Advising and Registration

Advisors

Entry Advisors are advisors who assist new students, transfer students and those returning after an absence in registering for classes their first quarter.

A permanent advisor will be assigned to each student by the entry advisor. This advisor is typically a faculty member with expertise in the student's area of study.

Advising

The relationship that you develop with your advisor is very important to being successful. Visit your advisor frequently with questions about programs, transferring, educational planning or any issue affecting your success.

It will be especially important to meet with your advisor prior to the start of registration. This is your opportunity to review your educational plan and make any adjustments before deciding which classes to register for next quarter. Be sure you contact your advisor early to schedule your appointment.

Registration

Registration is the actual enrollment in classes and typically happens via web registration. Registration opens first to students with 24 or more credits on their transcript and is followed a few days later by registration for students with 23 or fewer credits completed. Registration dates are established for every quarter.

Educational Planning

Whether you are pursuing a transfer degree or a professional/technical degree at GHC, you should plan your education carefully. Here are a few guidelines to help you:

- Do you want to transfer? A transfer degree prepares you to enter a university with all or most of the general university requirements (GURs) of a bachelor degree completed. Work closely with your advisor to select courses that will not only transfer but may complete a requirement for your Bachelor's degree.
- Do you want enter the workforce? A professional/ technical degree or certificate prepares you to enter the workforce with skills and knowledge in the field you have chosen. Work closely with your advisor to learn the coursework required and what quarters those classes are available.
- Establish a career goal as soon as possible. If you are not sure of what career you want, talk to GHC counselors, advisors, and instructors about your career options. Visit the Student Support Center to do some career exploration. Making a sound career decision early in your college journey saves time and money.
- Know your transfer school. If you plan to transfer, consult with GHC counselors and advisors and contact the program advisors at your next school as soon as possible. Universities differ in requirements, so obtaining accurate transfer information is vital for a smooth transition between schools. You will also need to know application and financial aid deadlines.

When Considering a Transfer

- Understand that the receiving college or university decides what credits transfer and whether or not those credits meet its degree requirements.
- Realize that the accreditation of both the originating and the receiving institutions can affect the transfer of credits you earn.
- Know that transfer courses don't necessarily help you graduate. Baccalaureate degree programs usually count credits in three categories: general education, departmental requirements, and electives. It's nice that your credits transfer, but the real question is, "Will my credits meet the requirements of my chosen program?"
- Accept the fact that a change in your career goal or major may increase the number of credits you must take to graduate.
- Visit your chosen transfer college whenever possible. You learn more about a school by visiting. While you're there, talk to everybody you can: students, admissions officers, financial aid staff, counselors, and instructors.
- Call or e-mail your transfer college whenever you can't get answers to your questions. Your chosen school is your best source of information.
- Request all the written information your transfer school has to offer, such as catalogs, brochures, applications, and departmental publications.

The Final Step: Applying for Transfer Admission

- Apply as early as possible before deadlines.
- Remember to enclose the necessary application fees.
- Request official transcripts be sent from every institution you have attended. Check to see if high school transcripts or GED test scores are required.
- Check to make sure all necessary application materials have been received.
- Recheck with your transfer school regarding your application status if you haven't heard from them in a month.
- Request a written evaluation of transfer credit as soon as possible. Transfer credit evaluations are usually available once you have been accepted for admission.

Residency

Residency status for tuition purposes requires that an independent student or the parents of a dependent student have a domicile in the state of Washington for the twelve months immediately preceding the quarter application is made. The term "domicile" denotes a person's true, fixed and permanent home and place of habitation. Physical presence in a place is not in itself proof of domicile, and there are a number of factors that are used to determine residency. The factors include, but are not limited to, automobile and driver's licenses, voter registration, permanent full-time employment in the state of Washington, address and other facts listed on a federal income tax return, purchase of a residence or monthly rental receipts for one year immediately prior to the commencement of the quarter for which application is made. Active duty military personnel, their spouses and dependents stationed in the state of Washington can have non-resident fees waived by providing military identification to the Office of Admissions and Records.

Application for a change in residency classification will be accepted up to the 30th calendar day following the first day of instruction of the quarter for which application to the college is made. Residency Questionnaire forms are available at the Office of Admissions and Records.

Senior Citizens

Senior citizens may enroll in classes on a space-available basis. A maximum of two classes may be taken each quarter at a reduced rate. Other special fees normally charged students must also be paid by senior citizens. This offer does not include WAOL classes. The Office of Admissions and Records at the college can provide the current tuition rate for senior citizens.

Running Start

Grays Harbor College fully participates in the Running Start program initiated by the state legislature in 1990. Running Start gives high school juniors and seniors who demonstrate college-level skills the opportunity to take courses at a community college. Students in Running Start attend college full- or part-time. An upcoming high school junior or senior who believes that he or she has the skills and maturity to attend college classes should **see a high school counselor to get more information** and an application to the program. Students will be asked to demonstrate their skills by achieving certain scores on the college placement test. Those students who place at the appropriate college-level in reading, English, and math for the classes they wish to take will be given the opportunity to participate in Grays Harbor College's Running Start program ([current tuition](#) rates are on the website).

High School Completion

Grays Harbor College offers a program designed to help adult students earn a Washington State High School Diploma. In order for Grays Harbor College to award a student a diploma, the student must complete the minimum number of credits the state requires for a diploma in all the designated subject areas. Those credits a student did not complete at his or her high school can be completed at Grays Harbor College. Students who are 18 years of age and under must pay full tuition for these classes; however, students 19 and over can get their tuition reduced significantly. Placement test scores and high school transcripts are required to enter the program. Students should meet with the high school completion advisor in the Student Support Center to begin their program.

Nursing Program Special Admission Requirements

Students interested in entering the Nursing Program must complete specific prerequisite courses, admission requirements, and a Nursing Program Application Form to be considered for selection. Nursing program information and application packets are available online (www.ghc.edu/nursing). The Associate in Applied Science Transfer Degree Nursing Program is accredited by the Accreditation Commission for Education in Nursing, Inc. 3343 Peachtree Road NE, Suite 850 Atlanta GA 30326 1-404-975-5000 www.acenursing.org.

International Student Programs

International students are welcome to attend Grays Harbor College and may be admitted in two ways: the college credit program or to improve their English skills.

Students earning a TOEFL score of 500 or more may apply directly to the college credit programs. These qualifying students should:

- Submit a completed Washington Community College admission application;
- Send official translated copies of all scholastic records (from secondary school, previous college, language schools, etc.);
- Provide declaration and certification of finances or a notarized statement of support (current tuition rates are on the website at www.ghc.edu/tuition&fees); and
- Submit proof of proficiency in the English language. A TOEFL score of 500 or above is required, or native English fluency.

Students earning a TOEFL score of 400 to 500 may apply to improve their English before entering the credit programs. These qualifying students should:

- Submit a completed Washington Community College admission application.
- Send official translated copies of all scholastic records (from secondary school, previous college, language schools, etc.).
- Provide declaration and certification of finances or a notarized statement of support (current tuition rates are on the website at www.ghc.edu/tuition&fees).
- Submit proof of proficiency in the English language. A TOEFL score of 400 to 500 is required, or native English fluency.

Registration Process

- New students will register for their first quarter following their entry advising session. Subsequent quarters, students follow one of two processes and will be notified by email as to which option they should follow:
 1. Students with 23 or less credits earned register after they see their permanent advisor and use a Quarterly Registration PIN to Web Register.
 2. Students with 24 or more credits earned have the option of seeing their advisor and use their GLOBAL PIN to Web Register.
- Fulfill all financial obligations from previous quarters.
- [Register](#) using the college website.
- Pay tuition and fees.

Adding a Course

Any course additions contemplated by the student require the instructor's approval and should be accomplished prior to ten days after classes begin. Adding a course after this time usually will not be to the advantage of the student. To add a course, an add form must be obtained from and returned to the Office of Admissions and Records.

Dropping a Course

“W” Day, the final day to officially withdraw from a course, is the Thursday of the seventh week (Thursday of the fourth week for summer quarter). Students who do not withdraw by that date will receive the grades they have earned, regardless of whether they are attending the course or completing the work. Students who are considering withdrawal are strongly advised to consult with the instructor, advisor and financial aid prior to withdrawing. The only withdrawals allowed after “W” Day are complete withdrawals from all courses. Drop/Add forms are available in the Admissions and Records Office.

Withdrawal from one or more classes may negatively impact financial aid. Students should check with the Financial Aid Office regarding their individual situation. It is the responsibility of the student to turn in the completed drop/ add form to the Office of Admissions and Records.

Complete Withdrawal From College

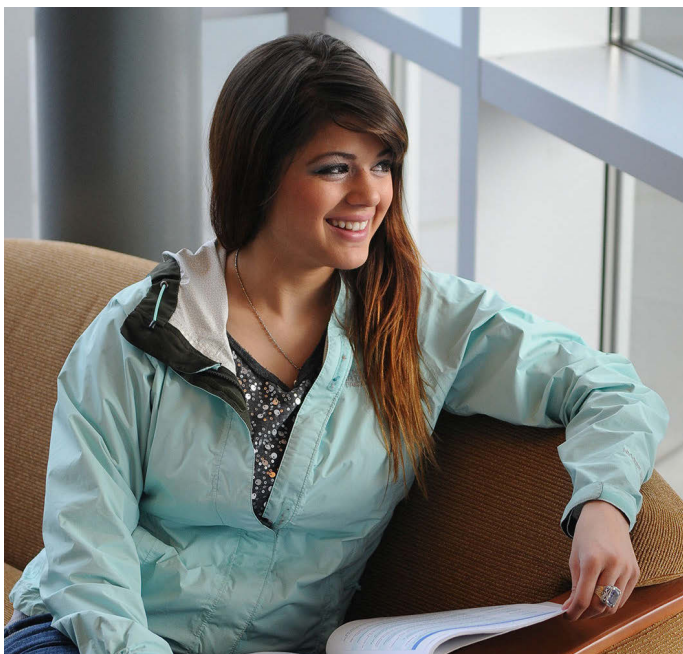
A student may withdraw completely from college at any time during the academic quarter. If a student must withdraw from college, it is the student's responsibility to contact the Student Support Center for an exit interview. If necessary, exit interviews can be conducted by phone. If the official withdrawal procedure is followed, the student will receive a grade of "W" (withdrawal, no penalty) in all courses. If this procedure is not followed, "V" or "F" grades will be assigned in all courses. A "V" grade is computed as a failure ("F") grade on the student's transcript and may have additional negative impacts on financial aid eligibility. If the student received financial aid for the quarter, a complete withdrawal or earning zero credits for the quarter may result in a suspension from aid. Suspensions can be appealed.

Credits/Credit Load

Quarter credits granted for a course are determined, in part, by the number of clock hours per week the class meets. For example, a typical five-credit lecture class will require the student to be in class five hours per week (laboratory sections may add to the course contact time). The number of credits allowed is indicated in the description of each course in the Courses of Instruction section of this catalog.

If a student expects to graduate in six quarters, he or she will need to enroll in 15 or more academic credits per quarter that fulfill degree requirements.

Completing fewer credits each quarter will lengthen the enrollment period, while taking additional credits per quarter may shorten it. Required physical education credits should be considered above the fifteen credit academic load. Registration for twenty-one or more credits requires the approval of the student's assigned advisor. If the advisor is unavailable, visit the Student Support Center for assistance.



Recommended Preparation

Some courses that do not list prerequisites may list requirements that are recommended instead. This information is provided by the instructor as a way to explain the skill level they expect students to have prior to enrolling in a course.

If a student does not meet Recommended Preparation requirements, she/he will not be stopped from enrolling in the class. However, considering this information carefully before selecting classes is important for student success.

Prerequisites

A prerequisite is a requirement that a student must meet prior to enrolling in a particular course. For example, if a student wants to take ENGL& 101, (s)he must have received a "C-" or better in ENGL 095 or placed at the ENGL& 101 level on the placement test.

Prerequisites are listed with the individual course descriptions in the catalog and quarterly schedule of classes. If enrolling in a college-level course (numbered 100 or above), it is assumed that the student has appropriate reading, writing and mathematical skills even though prerequisites may not be listed. These skills are considered successful completion of READ 090, ENGL 095 and MATH 098 or receiving placement scores above those levels.

Grays Harbor College uses a computer registration process that does not allow registration into a course unless prerequisites are met. Prerequisites for a particular course may be waived with permission of the instructor of that course. Students must obtain an entry code or signature from the instructor to have the prerequisite waived.

Concurrent Enrollment

Grays Harbor College students may be able to enroll concurrently at other area community colleges for a combined total of 10 to 18 credits. Please check with the Admissions and Records Office to see if this option is available.

If this option is available, students will be assessed no more than the full-time tuition rate plus fees. Concurrent enrollment may not be an option during summer quarters.

Students must complete a concurrent enrollment form available at the Admissions and Records Office. Changes in class schedule that drop a student's combined registration below full-time may result in additional tuition and fees.

State Support of Higher Education Students

The following table indicates average state support by tuition category for students attending community and technical colleges for the academic year 2013-2014.

	Resident Undergraduate	Nonresident Undergraduate
Total Instructional Cost per FTE Student	\$6,282	\$6,282
Operating Fee	\$3,217	\$8,052
Net State Support per FTE Student	\$3,065	----

The following table indicates the amount of state supported financial aid including that provided from the local institutional financial aid fund (3 ½ percent).

	State Financial Aid	Institutional Financial Aid
Undergraduate Resident	\$861 *	\$94
Undergraduate Nonresident	\$0 **	\$0 **

* Includes State Work Study, State Need Grant, and all other financial aid programs administered by the HECB, and SBCTC administered programs: Opportunity Grants and Worker Retraining Financial Aid.

** State and Institutional financial aid is not available to nonresidents.

Tuition and Fees

Payment of Tuition and Fees

Tuition and fee information is available each term in the quarterly course schedule. Students are required to pay tuition and fees in full by the designated date.

Excess Credit Surcharge Exceptions

1. If the student’s schedule includes ONLY required courses and the total number of credits scheduled exceeds 18, there is no excess credit surcharge.
2. If the student’s schedule includes any elective courses and the total number of scheduled credits exceeds 18, there is an excess credit fee penalty for the number of credits in excess of 18.
3. Students must pay surcharges for developmental and prerequisite courses not required in the official program curriculum, if the total credits enrolled exceeds 18.

Failure to Meet Financial Obligations

Release of academic transcripts, degrees and certificates will be withheld for failure to meet financial obligations to the college. Future registrations may also be blocked. If a student questions the accuracy of the claimed indebtedness, an informal hearing from the department administrator may be requested. Failure to make payment on any outstanding balance may result in your account being referred to an outside collection agency. You will be responsible for all collection and legal fees per Washington State law.

Refund Policy

The complete refund policy can be found under Refunds, Student Tuition and Fees in the Grays Harbor College Operational Policies and Administrative Procedures Manual.

Students requesting refunds must obtain either a total withdrawal form (withdrawing from all classes) from the Student Support Center or an add/drop form (for partial withdrawal) from the Admissions and Records Office. The date the student submits the completed form to the Records Office is the official date of withdrawal and is the date used in determining the rate at which refunds will be made.

Students who leave the college without completing the official withdrawal procedure forfeit all claims for refunds and for credit in courses.

Tuition and fees are refunded according to the schedule below:

GHC will refund tuition and fees if official withdrawal occurs:

FULL SESSION	100% REFUND (on or before)	50% REFUND
Fall, Winter, Spring	5th day of quarter	6th day of quarter and within first 20 calendar days
Summer	3rd day of quarter	4th day of quarter and within first 15 calendar days
MINI-SESSIONS	100% REFUND (on or before)	50% REFUND
Half-quarter courses	2nd day of session	3rd day of session and within first 10 calendar days
Four-week courses	2nd day of session	3rd day of session and within first 7 calendar days
Three-week courses	1st day of session	2nd day of session and within first 7 calendar days
Two-week courses	1st day of session	2nd or 3rd day of session
One-week or less courses	Before 1st day of session	On 1st day of session

- Tuition and fees will be refunded at 100 percent (100%) for any class or seminar which is canceled by the college.
- Partial refunds to students will be allowed, based on the schedule above.
- Partial refunds for students who have paid a surcharge for more than eighteen credits and then subsequently dropped to eighteen or fewer credits will be based upon the schedule above.
- Students receiving financial aid funded under Title IV of the Higher Education Act shall have their tuition and fees calculated through the sixty percent (60%) point of the enrollment period for which the financial aid recipient has been charged.
- Refund checks are mailed within 30 days from the date the refund application is approved.

There will be no refund:

- If the college indicates in its catalog, quarterly schedule or course announcement that such fees are non-refundable.
- For community special interest courses, seminars and short courses unless the participant withdraws at least 24 hours before the first session.
- If the student is dismissed from the college for disciplinary reasons or fails to follow official withdrawal procedures.

Financial Aid

Grays Harbor College offers many forms of assistance designed to help students with college costs. These forms of assistance range from Federal Title IV aid programs to scholarships.

Financial aid is intended only to support students in attaining their education. The major responsibility for financing the student's education is with the student and, where applicable, his or her parents. The Financial Aid Office at Grays Harbor College is ready to assist with all the application materials. Available types of aid include:

Federal Pell Grants: Pell Grants are available to students attending Grays Harbor College. To apply for this grant, the student must complete the Free Application for Federal Student Aid (FAFSA). Students also need to meet other qualifications such as satisfactory academic progress.

Federal Supplemental Educational Opportunity Grants (FSEOG): FSEOG may be awarded to the most needy students who are receiving Pell Grants. Students apply using the FAFSA form mentioned above. It is important to apply for aid by the May 1 deadline in order to be considered for this funding source.

Federal College Work-Study Program: This program provides jobs to assist students with their education. Recipients work either on-campus or off-campus and receive a paycheck. The jobs cannot exceed 19 hours per week while school is in session. Students are allowed to work up to 40 hours per week while college is not in session. Work-study awards will vary depending on the nature of the job and the student's financial need. The Financial Aid Office works with the Job Placement Center on-campus to place recipients in positions. The May 1 deadline will be used to determine eligibility.

Washington State Work-Study: This program is intended for on-campus and off-campus employment. Recipients must be residents of the state of Washington with financial need and have indicated a desire for work on their FAFSA. The purpose of the program is to assist students by stimulating and promoting their employment and to provide students, whenever possible, with employment related to their academic pursuit. Applicants would be considered for either State Work-Study or Federal Work-Study but not both. The May 1 deadline will be used to determine eligibility.

Washington State Need Grant (SNG): Washington residents with financial need will be considered for the SNG. Students need to apply with the FAFSA form early in the award year in order to qualify for this source of funding.

Tuition Waivers: Tuition waivers are awarded only to students who are residents of the state of Washington as determined by WAC 200-18. The amount of the waiver varies up to the actual cost of the incurred tuition. A limited number of waivers are available and are given on an individual case-by-case basis.

Federal Direct Loans: Direct loans include both subsidized and unsubsidized student loans. These are long-term loans available directly from U.S. Department of Education. Students can apply by completing the FAFSA, entrance counseling, a loan request form and master promissory note (MPN). There are many provisions and conditions for these loans. Applicants should read the loan packet carefully.

Veterans Benefits

Veterans, eligible members of the selected reserves, and dependents of deceased or 100% disabled veterans interested in attending the college must contact the Veterans Office in the Hillier Union Building (HUB), where they may apply for benefits. The office is located within the Financial Aid Office in Room 120. Applicants may contact the Veterans Office at (360) 538-4084 or 1-800-562-4830, extension 4084 (calls from within Washington State). Information is also available on the Grays Harbor College [Financial Aid website](#).

While the Muskogee, Oklahoma, Regional Processing Office is processing an application for educational benefits, the student should be prepared to meet the costs of tuition, fees, books and supplies and living expenses.

Students are reminded to familiarize themselves with the scholastic standards and the academic regulations stated in this catalog. Failure to maintain standard satisfactory progress could result in the reduction, cancellation, or repayment of education benefits.

Students who receive education benefits must meet three minimum standard requirements in addition to those required by the college:

1. Veterans, reservists and dependents using benefits must declare a program of study or degree and will be paid only for those classes that apply toward graduation from the declared program of study. No benefits will be paid for repeated courses or programs previously completed.
2. Complete all coursework paid for. Grades of "I," "N," "V," or "W" will result in an overpayment; this means you will have to repay some or all of the benefits you received.
3. Veterans, reservists and dependents must notify the Veterans Office when changing classes, changing program of study, withdrawing from classes or when deciding to stop attending school.

All benefit payments are made directly to the student. It is the student's responsibility to complete applications, pay tuition and fees and maintain contact with the Veterans Administration and the college.

How to Apply for Financial Aid

The Free Application for Federal Student Aid (FAFSA) is the application used by Grays Harbor College. Students need to apply online at www.fafsa.gov. The FAFSA is available in January of every year for the following academic year. Students need to complete their FAFSA and submit all other documents required by the Financial Aid Office (see Student Financial Aid Application Instructions) by May 1 each year. FAFSAs and other documents received after May 1 will be accepted, but may result in delays in aid awards and smaller award packages due to shortages of funds.

Questions concerning financial aid should be referred to the Financial Aid Office at Grays Harbor College.

Student Financial Aid Application Instructions

The filing of the Free Application for Federal Student Aid (FAFSA) is only the first step to the financial aid process. The Financial Aid Office will determine the student's eligibility for all aid programs based on the information from the FAFSA. In addition, students will need other documents to complete their files. In order to be considered complete, the file must contain the following documents:

- 1. Institutional Student Information Record.** This is a summary of the information you provided on the Free Application for Federal Student Aid (FAFSA). If Grays Harbor College was listed on the FAFSA, the information will be sent directly to the college. This information will be used to determine eligibility for federal aid. If you did not list Grays Harbor College on the FAFSA, you should call or come in to the Financial Aid Office. (The Federal school code for Grays Harbor College is 003779.)
- 2. Grays Harbor College Financial Aid Data Sheet.** This form is available online (www.ghc.edu/finaid/forms). The information requested on this form is instrumental in helping formulate a financial aid package custom designed for students' individual needs. It also contains important messages that the applicant will be required to affirm before financial aid can be awarded. Incomplete or unsigned applications will be returned, causing a delay in processing.
- 3. Verification Documents.** Applicants may be requested to verify the information contained on the Student Aid Report. To comply, you will need to submit copies of tax return transcripts and other documents as required. In addition, a verification worksheet will be required and is available online (www.ghc.edu/finaid/forms). It is important to answer all questions and to sign the document and return it to the Financial Aid Office.
- 4. Other Forms as Required.** There may be other forms required for information or for documentation. The Financial Aid Office will notify applicants or provide the forms as necessary.

Satisfactory Financial Aid Academic Progress

Federal and state financial aid regulations require recipients to demonstrate they are making satisfactory progress towards their degree or other educational credential. The Grays Harbor College Satisfactory Academic Progress Standards is available online (www.ghc.edu/finaid/sap). Students with questions, or who want to request a copy of this information, should contact the Financial Aid Office.

Tuition Refunds and Financial Aid

Any student who withdraws from a quarter after receiving federal or state financial aid will have a refund calculated according to federal regulations governing the return of these funds. The Financial Aid Office will determine the amount of the refund and to which program it will be returned and will notify the Business Office. **Students who withdraw may have to repay a portion of the funds they received.** The Financial Aid Office will determine the amount and type of repayment and will notify the student if a repayment must be made. It is essential that students who will no longer be attending classes officially withdraw.

Students receiving federal or state financial aid who withdraw and receive a refund and/or owe a repayment will have these funds allocated to the appropriate financial aid program in the following order:

1. Unsubsidized Federal Stafford loans
2. Subsidized Federal Stafford loans
3. Federal PLUS loans received on behalf of the student
4. Federal Pell Grants
5. Academic Competitiveness Grant
6. Federal Supplemental Educational Opportunity Grant (SEOG)
7. Other Title IV programs (except workstudy)
8. State programs
9. The student

The refund and/or repayment is allocated up to the full amount the student received from a particular program.

View Your Financial Aid File and Awards Online

- Go to www.ghc.edu/finaid;
- Read login instructions;
- Click on the blue button (Check My Financial Aid Status); and
- Login to the secure portal.

Scholarships

Grays Harbor College offers a variety of scholarships generously provided by many area organizations and supportive individuals. These are all managed through the Grays Harbor College Foundation. Applications and guidelines about the scholarship process are available through the Financial Aid office and by consulting the [GHC website](#). Generally applications are due during Winter Quarter. The Scholarship Convocation announcing scholarship recipients for the coming year, takes place in May. However, some scholarships are awarded during Fall Quarter. An announcement on the website will notify students when those mid-year scholarships are available. While criteria vary for each scholarship, some are awarded based on academic performance and/or financial need, while others are open to all students.

Bishop Scholarship Program

Continuing College Education for Juniors, Seniors, and Graduate Students

Grays Harbor College also administers a scholarship program for eligible Grays Harbor County students enrolled full-time in the third or fourth years of bachelor degree programs, as well as those in the first or second years of graduate school. While this program is not exclusively for students who have earned associate degrees from Grays Harbor College, applicants must have successfully completed their freshman and sophomore years in pursuit of a bachelor degree program or be enrolled in a master degree program. In addition, applicants must meet specific age, residency and scholastic requirements and demonstrate financial need. A committee reviews applications each summer and makes appropriate awards in keeping with the criteria originally established by the E. K. and Lillian Fleet Bishop Foundation. The endowed program, created in memory of the area's two generous benefactors, continues to recognize deserving young Grays Harbor collegians with financial support to help them follow their educational pursuits.

[Application forms](#) are available at the Grays Harbor College Financial Aid Office, at Timberland Libraries within Grays Harbor County, and on the Grays Harbor College [website](#). Further information about eligibility for this program also appears in the application form.

Athletic Awards Available Through Grays Harbor College

Athletic Scholarships

Grays Harbor College is a member of the Northwest Athletic Association of Community Colleges. Athletic scholarship recipients are chosen by coaches. Interested students should contact the coach of the sport(s) they are interested in playing.

Neal A. Eddy Memorial Award

Established in 1937 by Radio Station KXRO, this award is presented annually to an athlete who shows consistent performance in both athletic and scholastic endeavors. Nominations are received from all coaches and the selection is made by the Athletic Director and the Vice President for Student Services.

Dr. O.R. Austin Memorial Award

Established in 1959 by Radio Station KBKW, this memorial award is presented annually to the outstanding sophomore male athlete of Grays Harbor College. Nominations are received from all coaches and the selection is made by the Athletic Director and the Vice President for Student Services.

P. Craig Wellington Award

Established in 1978, this award is presented annually to the outstanding sophomore female athlete of Grays Harbor College. In 1993, this award was named to honor Craig Wellington, former Dean of Students and Athletic Director. Nominations are received from all coaches and the selection is made by the Athletic Director and the Vice President for Student Services.

Grays Harbor College Foundation Student-Athlete Award

Student-athletes are eligible to receive this scholarship award. The award is open to first- and second-year students who maintain a minimum 3.0 grade-point average in Grays Harbor College courses. Selection for this award is made through the GHC Athletic Department.



2013-2014 Scholarships

Aberdeen Business and Professional Women's Memorial
Aberdeen Lions Club/Jack Vanderbeek
Aiken & Sanders Inc., P. S. Accounting
American Association of University Women, Twin Harbors
Anchor Bank
Associated General Contractors
Margaret E. Astrom Memorial
Bank of the Pacific
Wesley Berglund
Walter E. Brown
Fred & Arlene Bruener Family
Brunstrom-Laito and Tonelli-Busato
Bob & Wanda Bush Memorial
Cascade Natural Gas
Clagett-Beale Memorial
Delta Kappa Gamma Helsep Memorial
Ethel H. & James F. Doyle Memorial
Victor & Elizabeth Druzianich Family Memorial
John A. Earley
Volney & Yetive Easter Memorial
H.C. Elliott, Sr. Memorial
Olivetta Faulkner Memorial
Sharri Faulkner-Boyd & Olivetta Faulkner Nursing
Jim Fenton Memorial
Dr. James R. Frost Family
GHC Federation of Teachers/Dislocated Workers
Tom Gillies Memorial
Lynne D. Glore
Goeres Family
Grays Harbor 40 et. 8, Voiture 91 Nurses Training
Grays Harbor Chapter of Washington Credit Unions
Grays Harbor College Foundation Additional
Grays Harbor College Foundation Inc.
Grays Harbor College President's Award
Grays Harbor Pacific School Retirees' Association
Grays Harbor Poggie Club/George Powers Sr. Memorial
Ida M. Greer Memorial
Victor H. Grinich Memorial
B. Hermann
Joseph C. Hernandez Scholarship
Bertha & A.J. Hillier Memorial
Hughes Tool
Ernie Ingram Founders Memorial
Marjorie K. Johnson
Forest C. & Ruth V. Kelsey Foundation
Jon V. Krug Memorial
Frank Lerner Founders
Lempi Koli Lillegaard
George V. & Millie K. Lonngren

(2013-2014 Scholarships continued)

Russell V. Mack Memorial
Patsy E. McDonald Memorial
George Powell & Miriam C. Moir
Montesano Farm and Home
Percy A. Parker
Wes Peterson
Chris & Jo Pickering Memorial
Stuart Polson Memorial
Push Rods of Hoquiam
Reiner Family
Rotary Club of Aberdeen/Carole Hunt Memorial
Howard & Juanita Rowe Memorial
Rust Nursing
Peter & Marie Schafer Memorial
Barbara Hill Scott
Seely Science
Gloria Seguin Memorial
Dr. Eddie & Barbara Smith
Lee Smith Memorial
Mick Spoon
James Stewart Founders Memorial
Ann Swanson Golf
Townsend Educational Fund
Bruce Vreeland Memorial
Marian J. Weatherwax Endowment Fund
Ruth West
Westport Shipyard
World Class Scholars

Challenge Scholarships

Ben & Darlene Brewster
Descher Family
Martha Finch Memorial, P.E.O.
Gay/Straight Alliance
Grays Harbor Community Hospital Auxiliary
Hole Family
Kiwanis Club of Ocean Shores
Linnenkohl Family
Bobbie Jo Mattice Memorial
James P. Murphy Memorial
Ocean Shores Lions Club
Brandon Oliver Diesel Tech Memorial
Tyne Parpala Memorial, P.E.O.
Rhea Pinckney Memorial, P.E.O.
Liz Preble Memorial
Randy & Laura Rust
Connie Waugh Memorial, P.E.O.
Windermere Real Estate
Wolfenbarger/Gurr

Student Rights to Their Records

The Family Educational Rights and Privacy Act of 1974, Public Law 93-380, as amended, provides that Grays Harbor College students have: (1) the right to inspect their educational records that are maintained by Grays Harbor College; (2) the right to a hearing to challenge the contents of those records when they allege the records contain misleading or inaccurate information; (3) the right to give their written consent prior to the release of their records to any person, agency, or authorities. Information about specific procedures is available upon request from the Office of Admissions and Records.

Confidentiality of Student Records

Grays Harbor College complies with the Family Education Rights and Privacy Act of 1974 (Buckley Amendment) concerning the information which becomes a part of a student's permanent educational record and governing the conditions of its disclosure. Procedural guidelines governing compliance with this statute have been developed and are available through the Office of Admissions and Records. The following directory data is considered public information and may routinely be given in response to requests: student's name, mailing address, e-mail address, major field of study, participation in officially recognized activities or sports, height and weight of athletic team members, dates of attendance (includes verifying current quarterly enrollment), part time or full time enrollment status, tuition and fees owed, degrees and certificates received or not received, other institutions attended, veteran status, honors and awards received, photographs, and placement scores. Any student wishing to have such information withheld when inquiries are received must notify the Office of Admissions and Records in writing.

Persuant to the Solomon Amendment, Grays Harbor College is required to provide some or all of the following information, upon request, to representatives of the Department of Defense for military recruiting purposes: student's name, address, telephone listing, date of birth (17 years or older), level of education, and academic major (for currently enrolled students only).

Social Security Number (SSN)

To comply with federal laws, Grays Harbor College is required to ask for the student Social Security Number (SSN) or Individual Taxpayer Identification Number (ITIN). GHC will use the student SSN/ITIN to report Hope Scholarship/Life Time tax credit, to administer state/federal financial aid, to verify enrollment, degree and academic transcript records, and to conduct institutional research. If a student does not submit their SSN/ITIN, they will not be denied access to the college; however, they may be subject to civil penalties (refer to Internal Revenue Service Treasury Regulation 1.6050S-1(e)(4) for more information). Pursuant to state law (RCW 28B.10.042) and federal law (Family Educational Rights and Privacy Act), the college will protect the student SSN from unauthorized use and/or disclosure.

Student Identification Number (SID)

Each student will be assigned a nine-digit number that will be used as a Student Identification Number (SID). This is the number that will be used for identification purposes on course rosters, college identification cards, etc. The SID will be assigned automatically upon admission to the college or upon first-time enrollment in community special interest or other courses. Questions concerning student identification numbers can be addressed to the Associate Dean for Student Services.

Personal Identification Number (PIN)

Grays Harbor College issues two different personal identification numbers to students.

1. **Global PIN:** This is a six-digit number that will be randomly assigned by the Admissions and Records Office. It is mailed to each new student. Use Student Global PIN, and student SID to access the following information see: ([Student Records Kiosk](#)).
 - Register after earned 24 credits
 - Degree audit
 - Student class schedule ("Student Schedule")
 - Unofficial transcript ("final term grades" will be shown here)
 - Financial Aid inquiry
2. **Registration PIN:** This is also a randomly assigned six-digit number assigned by Admissions and Records and given to the academic advisors only before the start of advising for each quarter. Students who have earned less than 23 credits will obtain this PIN from their advisor to be used for registration via the world wide web. Registration PIN's change every quarter.

Official Transcript

An official transcript is a copy of the student's permanent grade record which is signed by the appropriate student records officer and carries the official seal of the College. If a student is to furnish an official transcript to another college or university, it usually must be mailed directly to the registrar of that institution.

Transcript Requests

Students requesting release of transcripts to employers or other colleges must do so in writing. The request should include their name, address, Student Identification Number and/or Social Security Number, former name (if applicable), signature and period of attendance. A form is available at the Admissions and [Records Office](#) or on our website. In addition, students can order a transcript through the [National Student Clearinghouse](#) (for a small charge).

Change of Major or Advisor

A student who wishes to change majors or advisors must obtain a Major and Advisor Change Form at the Office of Admissions and Records. The completed form must be returned to the Office of Admissions and Records. When a student is changing advisors the form must be signed by the new advisor.

Change of Address

Students should report any change of address at once to the Office of Admissions and Records, where they will complete a "Change of Directory Information Form" indicating the change. Students should also notify the Financial Aid Office or the Business Office, if appropriate.



Grading Policy

The quality of a student’s work in a course is measured by an A - F, four point maximum, grading system. Plus (+) and minus (-) signs are used to indicate achievement above or below the grades listed in the following description. A+ and D- grades are not used. For the purpose of assigning grade points, a plus (+) increases the grade value by 0.3 and a minus (-) decreases the value by 0.3. For example, a C grade has a value of 2.0, a C+ has a value of 2.3 and a C- a value of 1.7. Grades are normally assigned according to the following criteria.

A = 4.0 grade points per credit hour. The highest grade, “A,” is reserved for students who have excelled in every phase of the course.

A- = 3.7 grade points per credit hour.

B+ = 3.3 grade points per credit hour.

B = 3.0 grade points per credit hour. The “B” grade is for students whose work is excellent but does not warrant the special distinction of the “A.”

B- = 2.7 grade points per credit hour.

C+ = 2.3 grade points per credit hour.

C = 2.0 grade points per credit hour. The “C” grade indicates that a student has made substantial progress toward meeting the objectives of the course and has fulfilled the requirements of the course.

C- = 1.7 grade points per credit hour.

D+ = 1.3 grade points per credit hour.

D = 1.0 grade point per credit hour. The “D” grade is the minimal passing grade for those students who have made progress toward meeting the objectives of the course but who have fulfilled the requirements in a substandard manner.

F = No credit. 0 grade points (credits attempted are calculated in grade-point average). The “F” grade indicates that the student has failed to meet or has accomplished so few of the requirements of the course that he or she is not entitled to credit.

W = No credit. A course withdrawal made officially through the Office of Admissions and Records will be recorded with a “W” designation.

I = Incomplete. Special circumstances may warrant the use of the temporary grade “I” to indicate that the student is doing passing work in the class but has been unable to complete an essential requirement of the course because of factors beyond his or her control. An incomplete grade must be made up within the time period specified by the instructor; otherwise, the “I” will be converted to an “F.” **Students do not re-enroll in an incomplete course.**

V = Unofficial Withdrawal. A “V” grade indicates that the student has not completed the essential work of the class and has discontinued participation without officially withdrawing. This grade will be computed into the student’s grade-point average as an “F.”

P = Passing. No grade points. The “P” grade is given only in courses adopting the passing or unsatisfactory system.

U = Unsatisfactory. No grade points. The “U” grade may be given only in courses adopting the passing or unsatisfactory system, unless otherwise approved by the Instructional Council.

N = Audit. No credit or grade points.

R = Repeated. This designation is placed next to the grade earned in a course for which a student had previously received a grade, but has since repeated. Grade points and credit will be determined by the last grade earned.

The circumstances involved in determining whether the student receives a grade of “F,” “W,” or “V” are explained under the sections entitled Dropping a Course and Withdrawal from College.

No grade points or credits are allowed for the grades of “I” or “W;” those grades are not computed in the grade-point average.

Grading for WAOL Classes

The grading policy of WAOL classes is the same as GHC with the exception of the use of a “D-” grade. GHC’s grading policy does not recognize a “D-” grade. **When a “D-” grade is reported for a WAOL class, it will be converted to an “F.”**

Computation of Grade-Point Average (GPA)

The grade-point average is computed as illustrated in the following example:

Courses	Credit Hours	Letter Grade	Grade Points
MATH& 107	5	A- (3.7*)	18.5
HIST& 116	5	B (3.0*)	15.0
MUSIC& 221	2	C+ (2.3*)	4.6
PSYC& 100	5	D (1.0*)	5.0
PE 104	1	F (0.0*)	0.0
Total	18		43.1

* (points per credit)

In order to compute the grade-point average, the total number of grade points earned is divided by the total number of credits attempted. The sum of the credits must include those courses in which an “F” or “V” grade is received. In this example, 43.1 divided by 18 credit hours results in a grade-point average of 2.39.

In computing the grade-point average when a course has been repeated, only the last grade earned is used.

Auditing a Course

A student must obtain permission from the instructor prior to registering as an auditor. No student will be allowed to audit a course after withdrawal day. Students auditing a course are expected to attend class regularly but do not take examinations nor receive grades or credit for the course. Auditing students can receive credit for the course only by enrolling in a future quarter as a regular student. The regular fee schedule is charged for all audits.

Repeating a Course

A student may repeat any course to improve his or her grade. The most recent grade will be used to calculate the grade-point average. Grade repeat forms are available at the Office of Admissions and Records or from the advisor during registration. These forms must be completed by the student and returned to the Office of Admissions and Records for the proper adjustments on the transcripts.

Grades

Students access their grades by using the [Student Records Kiosk](#) on the GHC website and requesting an unofficial transcript. A Student Identification Number and a Global PIN are required in order to see an unofficial transcript. If a student finds omissions or errors on the transcript, a written request must be made to the Admissions and Records Office for a review of the transcript no later than the last day of the next quarter in residence. In no case may a student make a written request for a change after two years have elapsed. If all obligations to the college have not been fulfilled, the transcript will be withheld.

Grade Change/Appeals

Students who believe that an error has been made in the grade received for a course should contact the instructor as soon as possible to discuss the issue. Appeals will be addressed through the Grade Appeal Process described in the Grays Harbor College Student Handbook.

First Year Experience (FYE)

Grays Harbor College is firmly committed to helping all students succeed. First Year Experience (FYE) is a college level, 2-credit mandatory class for all new degree and certificate seeking students. FYE assists new students by providing a thorough introduction on how to be a successful college student. Students are required to complete the class during their first quarter of enrollment at Grays Harbor College. Students who have transfer credits with a minimum 2.0 GPA, students who plan to take 14 or less credits at GHC prior to transferring to another institution, students who are taking courses for personal enrichment only, and/or students in short-term certificate programs are exempt from taking FYE.

Scholastic Standards Policy

Through its scholastic standards policies, Grays Harbor College expects students to assume responsibility for their own academic progress. As such, these policies reflect the belief that, by functioning as self-directed learners, students can gain the greatest possible satisfaction and benefit from their college experience.

Students whose names appear on the President's List are recognized for high academic achievement.

Low scholarship status is a warning to the student to improve his or her educational performance. It also emphasizes that the student should, where appropriate, undertake basic skills course work or seek help from instructors and/or counselors.

Industrial Technology students are required to meet the Academic Progress Policy stated in Industrial Technology program syllabi (Automotive, Carpentry, CDL, Diesel, and Welding).

These standards also serve as minimum levels of progress for veterans enrolled at Grays Harbor College.

These standards are not used as minimum levels of progress for financial aid recipients enrolled at Grays Harbor College.

A. High Scholarship Status

President's Honor Roll: A student who completes twelve or more credit hours of courses and earns a grade-point average of 3.5 or higher in any one quarter will be placed on the President's List. The student's transcript will be endorsed HONOR ROLL for that quarter.

President's Graduation Honors: A student who receives an associate degree with a cumulative grade-point average of 3.5 or higher will be honored as a President's Scholar. The student's transcript will be endorsed PRESIDENT'S SCHOLAR. On a one-time only basis, transcripts are also endorsed GRADUATED WITH HONORS to recognize those who graduate in the top ten students of their graduation year.

B. Low Scholarship Status

Low scholarship regulations pertain to those students who enroll in ten or more credit hours in any college courses. A student is considered to be on low scholarship status for one or more of the following reasons:

1. Transfer from another college with an accumulated GPA of less than 2.0.
2. Transfer from another college while on academic probation, suspension, or dismissal status.
3. Failure to maintain a cumulative GPA of at least 2.0.
4. Accumulation of ten or more credits attempted as a part-time student (over a period of two or more successive quarters) with a cumulative GPA of less than 2.0.

C. Academic Warning

The first time a student is on Low Scholarship Status, the transcript will be endorsed ACADEMIC WARNING. The student will receive written notification of this status. The student will remain on Warning Status in subsequent quarters until the cumulative GPA is raised above 2.0. If the cumulative GPA is raised to 2.0 or above in the subsequent quarter, the student will be removed from academic warning. If the cumulative GPA is below 2.0 in the subsequent quarter, the student will be placed on Academic Probation. The Vice President for Student Services shall develop and maintain appropriate intervention strategies to assist students on academic warning to improve their performance.

D. Academic Probation

If a student is on Warning Status and does not attain a cumulative GPA of 2.0 in a subsequent quarter, the transcript will be endorsed ACADEMIC PROBATION.

The student will receive written notification of this status. The student will remain on Probation Status in subsequent quarters until the cumulative GPA is raised above 2.0. However, the quarterly GPA must be at 2.0 or higher or the student will be placed on Academic Suspension. The Vice President for Student Services shall develop and maintain appropriate intervention strategies to assist students on Academic Probation to improve their performance.

E. Academic Suspension

If a student is on Probationary Status and does not attain a quarterly GPA of 2.0 in a subsequent quarter, the transcript will be endorsed ACADEMIC SUSPENSION. The student will receive written notification of ineligibility to take classes for credit at Grays Harbor College for the next quarter.

A student who has been suspended, stays out the required quarter and returns to school, will automatically remain on Probationary Status until the cumulative GPA is raised to 2.0, even though the quarterly GPA may be above 2.0. As long as the quarterly GPA is at least 2.0 the student may continue to re-enroll.

A student who has been suspended may petition the Academic Review Committee, in writing, for special reinstatement.

F. Academic Dismissal

A student is on Academic Dismissal if, following Academic Suspension and subsequent reinstatement by the Academic Review Committee, the student:

1. Completes one quarter of ten or more enrolled credits with a GPA of less than 2.0; or,
2. Accumulates ten or more credits with a GPA of less than 2.0; or,
3. Fails to meet the requirements of reinstatement defined by the Academic Review Committee. Normally, failure to enroll in or withdrawal from courses approved by the Academic Review Committee constitutes failure to meet the Committee's requirements.

The student's transcript will be endorsed ACADEMIC DISMISSAL and the student will receive written notification of ineligibility to attend classes at Grays Harbor College for credit.

A student on Dismissal Status must appeal to the Academic Review Committee for readmission to Grays Harbor College. Students who have been dismissed will usually not be considered for readmission for at least one calendar year.

G. Appeals from Academic Suspension or Dismissal

A student may appeal for reinstatement by submitting a written petition and responding to a written questionnaire. An appointment must also be scheduled with the Academic Review Committee to review the appeal request. Students should contact the Admissions and Records Office to make the appeal arrangements. The Committee meets quarterly to review appeals.

H. Removal from Low Scholarship Status

A student is removed from Low Scholarship Status the quarter a cumulative GPA of 2.0 is obtained. The student's transcript is endorsed with REMOVED FROM LOW SCHOLARSHIP and the student receives written notification of academic good standing.

A student who has been removed from Low Scholarship Status and subsequently receives a cumulative GPA below 2.0 is placed on Warning Status.

A student who is placed on Probationary Status and is removed from Low Scholarship Status and then receives a cumulative GPA below 2.0 is placed on Warning Status and not Probationary Status.

A student who has been on Academic Suspension and is removed from Low Scholarship Status and subsequently receives a cumulative GPA below 2.0 will be placed on Warning Status.

A readmitted student who has been on Academic Dismissal and is removed from Low Scholarship Status and subsequently received a cumulative GPA below 2.0 will be placed on Warning Status.

I. Exclusions

The only courses not subject to Low Scholarship Status are basic education courses, community service courses, community special interest courses, and audit courses in which the student originally enrolled for audit.

Forgiveness/Red Line Policy

Some students, when they first enroll in college, earn poor grades for a quarter or more and later perform successfully (grades of C or better). In computing grade points for transfer or scholarships, the poor work may lower the grade-point average so that the student is ineligible for transfer or scholarship opportunities. Grays Harbor College offers an opportunity to remove the previous poor work from such a student's academic record through red lining.

“Red Lining” will remove entire quarters of enrollment, beginning at the first quarter. The student CANNOT select specific courses or specific quarters for red lining. For example, if a student wishes to red line courses in which failing or poor grades were received during the fourth quarter at Grays Harbor College, all work taken during the first four quarters would be red lined also.

To qualify for red lining, a student must have completed at least thirty-six credits with a GPA of 2.2 or higher in the course work that will remain on the transcript after the red lining occurs.

For students who qualify, a petition for red lining and a student copy of the transcript must be presented to Admissions and Records. When the petition is approved, the transcript will be updated to reflect the red lining and a footnote will be added to the transcript noting the date that previous courses were red lined.

Once the red lining process is completed, only the courses and grades earned after that time will be used in computing the GPA and course completion towards a degree or certificate.

Quarter System

Classes at Grays Harbor College are conducted on a quarterly basis. A quarter is a measure of an academic term. Grays Harbor College divides its calendar into three regular quarters (fall, winter, and spring) comprised of approximately ten weeks of instruction and one week of finals. Summer quarter is unique because credit requirements are condensed, requiring an increased workload within a shorter amount of time when compared to a regular quarter.

Academic Program Publications

College Catalog

The college catalog describes instructional programs, student services, general regulations, requirements, and procedures. Courses offered by the college are described in this publication.

Annual Planning Schedule

An annual planning schedule is prepared prior to the beginning of the academic year and is available on the college website. It contains courses tentatively planned to be offered throughout the year. The intent of this schedule is to assist students with longer range planning. The quarterly schedules should be consulted as well, in case unforeseen scheduling changes occur.

Quarterly Schedule of Classes

A schedule of classes is published on the web prior to each academic quarter (summer, fall, winter, and spring). It contains a listing of the courses offered that particular quarter, the times and days they are offered, location of each class, and the instructor's name.

Examinations

Final examinations are held regularly at the end of each quarter. Students are required to take the tests at the college at the time and the place designated. Exceptions to this regulation require the approval of the instructor of the class. A schedule of final examinations is printed in the quarterly schedule.

Attendance

It is essential that students attend the first sessions of their courses. If a student knows that he or she will be unable to attend due to an emergency or scheduling conflict of a serious nature, (s)he should contact the instructor.

Students who do not attend class the first and second day of the quarter may be administratively withdrawn if:

- the student has not contacted the instructor and
- the instructor has not been able to contact the student.

Students who do not attend the first three sessions may be withdrawn with no requirement that the instructor attempt to contact them.

In those cases where professional-technical faculty, prior to the start of the quarter, have advised their students (orally and/or in writing) of the consequences of not attending the first hours of class, students may be dropped for non-attendance on the first day.

A student is expected to attend all class sessions of each course for which (s)he is registered; failure to do so may result in lower grades.

Student Support Center (HUB)

The Student Support Center is an important educational resource and provides students with comprehensive services that enhance student success. These services encompass three broad areas: counseling and career exploration, student success programs and disability support services.

Counseling and Career Exploration

Academic counseling refers to topics such as selection of an appropriate major, college transfer information, program planning, class scheduling, study skills and habits, test anxiety, time management, and overcoming learning difficulties.

Career/vocational advising assists students in understanding their values, skills, interests, and personality characteristics as these relate to their occupational choice. Students who are interested in assessments can choose from a number of career, interest, and personality inventories.

Personal counseling is helpful in learning how to deal with pressures or concerns which interfere with academic success. These may include assertiveness, crisis, self-esteem, stress, family and relationship concerns, interpersonal conflicts, parenting difficulties, anxiety, depression, or grief issues.

The Center also promotes student success through presentations, orientations, human development classes, consultations, and workshops.

Disability Support Services

Grays Harbor College supports the right of students with disabilities to an accessible education. Faculty and staff are committed to help minimize barriers to education and activities.

Services are available for students with known and/or documented disabilities. Accommodations may be available through the Disability Services Office. This office can provide accessibility information regarding classroom accommodations, liaison with faculty, community referral, and medical reserve parking authorizations. The office can be reached at 360-538-4068 and is staffed part time.

Student Success Programs

Student success is the number one goal at Grays Harbor College. Successful students are knowledgeable and make use of all of the many resources available to them. The purpose of student success programs is to help make sure students are informed and supported so they have the best opportunity possible to reach their educational goals. Programs include Advising, First Year Experience (FYE), Academic Alert and, New Student Orientation.

Student Success works closely with all other student services including the learning center, financial aid, admissions and records, athletics and TRiO. The Student Success Office can be reached at 360-538-4181.

TRiO Student Support Services

The TRiO Program provide many services to students who are new or unfamiliar with the college process. The programs provide activities which are designed to increase students' academic success at Grays Harbor College. TRiO Student Support Services focuses on assisting students in their academics in order to transfer to four-year colleges and universities. TRiO programs teach students how to be successful in the college environment and provide various forms of academic assistance. TRiO offers long term academic planning, assistance in financial aid preparation, and scholarship writing seminars as well as providing other college skills workshops. TRiO Student Support Services is a federally funded program which has entrance criteria and primarily works with students whose parents have not completed a four-year degree. The TRiO Office is located on the ground floor of the Spellman Library. For more information about TRiO call 360-538-4076, or email trio@ghc.edu.

The Grays Harbor College Learning Center

The GHC Learning Center is here to help all GHC students achieve success. Learning Center resources include drop-in tutoring, writing assistance, computers with supplemental instruction programs and internet access, study skills books and videos, and study space. The Learning Center is staffed with trained tutors who can help students at all educational levels (see [tutoring](#) for current tutor schedule). The Learning Center also sponsors success workshops for students, assists with the formation of study groups, and offers study skills consultations. All services are free for GHC students. The Learning Center is located on the ground floor of the Spellman Library, room 1519. For more information call 360-538-4060 or see our website. We're here to help!

Tutoring

GHC students are eligible for free tutoring to support them in their classes. Students may drop by the Learning Center to meet with a tutor. Students wishing to arrange ongoing, one-on-one tutoring should contact the Learning Center Coordinator at 360-538-4060. Tutors are current GHC students who have been trained in tutoring techniques. They have successfully completed the courses for which they tutor and have been recommended by instructors. All services are free for GHC students. The Learning Center is located on the first floor of the Spellman Library, room 1519. For more information call 360-538-4060 or see our website. We're here to help!

Campus Childcare

Year-round licensed childcare is available on campus through Wunderland Childcare.

- Full-Time
- Part-Time
- Drop-In

Operating hours are 7:00 a.m. to 9:00 p.m. Monday through Friday. The center enrolls children age one month through 12 years. Call 360-538-7211 or 1-800-562-4830, extension 4190 for information and registration.

Job Placement Center

The Job Placement Center office, located in the Human Resources Office, assists students with referrals to federal, state, and campus work study positions, and provides job placement assistance to students and alumni. Assistance is offered in resume preparation, interview techniques and networking information. Notices of employment opportunities are posted on the bulletin boards in Building 2000 and online.

WorkFirst Services

The WorkFirst program pays tuition, books and fees for eligible parents who are currently receiving Temporary Assistance to Needy Families (TANF) cash grants from the Department of Social and Health Services (DSHS). WorkFirst provides on-going support, paid work-study positions, individual support, group workshops, a study area for parents, referrals to college and community resources, and assistance with finding employment at the end of college training. For more information about available services and eligibility, please stop by the WorkFirst Office in the 200 Building, room 207, call (360) 538-4058, or email workfirst@ghc.edu.

Bookstore

The Grays Harbor College Bookstore is open 7:30 a.m. - 4:00 p.m. Monday through Friday. Evening hours are provided during the first four evenings of the quarter until 7 p.m., excluding Fridays, and every Tuesday during the remainder of the quarter from 4:00 p.m. - 6:00 p.m. Textbook Buyback is held for three (3) days during finals of fall, winter, and spring quarters. See the Bookstore online for details.

Food Service

The Grays Harbor College Food Service is open 7:00 a.m. - 2:30 p.m. during fall, winter, and spring quarters. Limited summer quarter hours will be posted. Pop and snacks are also available from vending machines located in the Hillier Union Building (HUB).

Smoking Policy

It shall be the policy of Grays Harbor College to maintain a smoke/tobacco free indoor campus environment, including college and state owned vehicles. This includes all tobacco and smokeless tobacco products.

Smoking is authorized only in the following locations:

1. Designated smoking areas and/or shelters as determined by the Smoking Task Force. Locations of designated smoking areas are on the college’s web site (www.ghc.edu/smoking/index.html).
2. Inside any personal vehicle.
3. Any parking lot - with the exception of the Childcare Center Parking Lot.

Parking Regulations

1. Campus speed limit is 20 m.p.h.
2. Yellow painted curbs are “No Parking Areas”
3. Drivers must obey all posted traffic and parking signs
4. Visitor parking spaces are reserved for visitors only - no students or staff parking
5. Do not park in reserved parking spaces (named and/or numbered stalls)

Vehicle Registration: All vehicles (including motorcycles) utilizing the college parking lots (paved or gravel) must display a valid GHC parking permit which may be obtained at the Cashier’s Office (2000 Building) or appropriate Education Center Office. The cost for the parking permits is part of the student’s comprehensive fee. If a second vehicle permit is needed, the annual fee is \$5.00 for that vehicle.

Required Vehicle Information:

- License plate number
- Year and make of vehicle
- Name of student
- Student ID Number (SID)

Driving Safely: All students and employees are expected to obey all traffic rules and regulations when driving on campus.

Parking Fines: Violators of the college’s parking regulations will be cited and/or the vehicle may be impounded at the owner’s expense. Fines vary from \$20.00 to \$50.00, depending on the violation. All fines are paid through the Cashier’s Office (3rd floor of the 2000 Building). Failure to pay for outstanding parking citations will result in denial of subsequent registration and withholding of transcripts.

Special Parking Permits: The Disability Services Office, located in the 200 Building, issues a limited number of special reserved parking permits for students with temporary medical disabilities. Students with temporary medical disabilities should pick up a form at the Safety and Security Office for their physician to document their disability and request special parking in the medical reserved area. These permits are issued at no charge for designated periods of time. Failure to renew the special permit will result in the vehicle being cited.

Student Parking on the Main Campus is permitted in any designated student parking lot on a first-come, first-served basis with the EXCEPTION of part-time faculty spaces, faculty/staff reserved parking spaces (named or numbered parking stalls), state disabled parking spaces, medical reserved spaces, yellow curbing, fire lanes, driveways and/or roadway or unlined open areas. Vehicles MUST be parked between the white lines of the parking stall (excluding the gravel parking lot). Cars in violation of the parking regulations will be cited. NOTE: Students parking after 3:00 p.m. may park in areas marked “reserved”, “visitor”, “medical” or those spaces designated by an employee name or number. Part-time faculty spaces are reserved until 10:00 p.m.

Appeals: Appeal forms are available in the Office of Student Services (Room 110) or on-line.

NOTE: Registrations and official college transcripts will be withheld for failure to meet financial obligations to the college, including parking fines.

Campus Security Policy

Pursuant to the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act (The Clery Act), a crime statistics report is available to the public. The report includes statistics for the previous three calendar years concerning specific reported crimes that occurred on Grays Harbor College campus; off-campus education centers or property owned or controlled by the college; and on public property within, or immediately adjacent to and accessible from, the campus. The report also includes institutional policies concerning campus security and safety, such as policies concerning alcohol and drug use, crime prevention, the reporting of crimes, sexual assault, receiving emergency notification and college closures, information about sexual harassment and stalking and other safety and health concerns.

You can obtain a printed copy of this report from the Security Office (2000 Building – Room 2325) or online at [Security Report](#).

Housing

Grays Harbor College does not provide housing for students. Information regarding housing in the community may be available on the bulletin board in the Hillier Union Building (HUB).

Student Rights and Responsibilities

Campus codes and policies affecting students and student rights and responsibilities are available on the Grays Harbor College website ([GHC Board Policy 407](#)) and in the [Student Handbook](#). Copies are also available in the office of the Vice President for Student Services.



Student Life

Successful students are involved in their education both in and out of the classroom. Research has shown that involved students have a better chance of reaching their academic goals. There are a variety of ways students can get involved while at GHC:

Student Government

The Associated Students (ASGHC) consists of all students who enroll in one or more college credit hours. The Executive Board represents the ASGHC and students' interests to the college administration faculty. They participate in setting college policy, allocating funds for campus organizations, serve on college committees, and continuously evaluate services to meet the changing needs of today's diverse student body. Weekly meetings are open, and all members of the ASGHC are welcome to attend. More information about the Executive Board may be obtained in the Office of Student Life located in the Hillier Union Building (HUB).

Campus Activities Board

The Grays Harbor Activities Board (GHAB) is committed to providing social, cultural, recreational and educational opportunities for the campus community through a yearly series of student initiated campus activities, programs and events that promote a marketplace of ideas and an opportunity for students to be engaged outside the classroom.

Study Abroad

Grays Harbor College has partnered with 17 community colleges to provide study abroad opportunities to students. By studying abroad through GHC you can save a considerable amount of money compared to other programs. All credits will count towards your degree. Scholarships and Financial Aid are available. Programs are on a quarter schedule.

Students have had the opportunity to travel to these international locations:

Alajuela, Costa Rica
Cape Town, South Africa
Florence, Italy
London, England
Prague, Czech Republic

Student Organizations

The Club Coordinating Council (CCC) overseen by the Executive Board serves to coordinate programming, membership, and the structure of campus organizations. The CCC consists of representatives from all organizations. Membership in organizations, are open to all GHC students, except Honor Societies. Current organizations include:

Beta Iota - Phi Theta Kappa
Choker Athletics
Gay Student Alliance
Grays Harbor Activities Board
Human Services Student Association
Japanese Media Club
Multicultural Club
Natural Resources Club
Student Nurses Association
Table Top Gaming
Tyee Service Club
Veterans & Auxiliary Club

Want to start a new club? Come by the Office of Student Life for more information.

Visiting Colleges/Universities

Each Fall, GHC visits nearly a dozen different four-year colleges and universities as part of their annual Transfer Trip Series. Don't worry about planning or driving, GHC has that covered. All you have to do is sign-up! Included in the trip is a ride to the campus, a tour, presentation, and lunch! Tours include visits to:

Central Washington University
National/Regional College Fairs
Pacific Lutheran University
Portland State University
Seattle University
St. Martin's University
The Evergreen State College
University of Washington-Seattle
University of Washington-Tacoma
Western Washington University
WSU-Vancouver

Performing Arts and Live Theatre

Students are eligible for free tickets to nearly all events at the Bishop Center for Performing Arts and 7th Street Theatre in Hoquiam throughout the year. Visit the website ghc.edu/bishop for upcoming events and information. 7th Street Theatre tickets can be picked-up the week of the performance in the Office of Student Life.

Readership Program

The Office of Student Life provides complimentary copies of The Daily World. The newsstand is located in the Hillier Union Building.

Honor Societies

Phi Theta Kappa is the official International Honor Society for two-year colleges. The **Beta Iota Chapter of Phi Theta Kappa** (PTK) was chartered in 1932 and is the oldest chapter in the state of Washington. The hallmarks of PTK are scholarship, leadership, service and fellowship.

Only full-time students who have met the following requirements are eligible for invitation to the Beta Iota Chapter: attainment of a quarterly grade-point average of 3.5 in at least 10 credits listed as meeting requirements for earned degrees, accumulation of at least five credits listed as meeting requirements for the Associate in Arts degree, and maintenance of a cumulative grade-point average of no less than 3.0 in required degree courses.

The Tyee Club, organized April 1, 1947, is an honorary services club. Tyee are chosen on the basis of scholarship, demonstrated leadership, initiative and desire to be of service to the College. Club members serve as hosts and hostesses at college events both on-and-off campus. Activities include ticket taking, ushering and refreshment service at the Bishop Center events, as well as other services and various fundraising events. Active membership is limited to 15 students of sophomore standing.

Student Handbook

The Office of Student Life issues an annual Student Handbook. This publication includes all pertinent dates, policies, information, campus codes, student rights/responsibilities, and reference guides. The calendar also includes activities scheduled for the school year. This resource manual is available to students at no charge, and may be picked up during orientation, at registration, or in the Office of Student Life.

Athletics

Grays Harbor College is a member of the Northwest Athletic Association of Community Colleges (NWAACC) and competes in the Western Region of the NWAACC conference. Teams travel throughout the Northwest for competition.

The following sports are offered at Grays Harbor College:

Women's Basketball- first official practice is in mid-October.

Men's Basketball- first official practice is in mid-October.

Softball- fall ball season starts in September and spring season starts the first of February.

Baseball-fall ball season starts in September and spring season starts the first of March.

Men's and Women's Golf- fall ball season starts in September and spring season starts the first of March.

Athletes interested in a sport should contact the coach well before the official season begins.

Athletic scholarships are awarded annually by the coach of each sport and can include a partial tuition waiver and/or work-study job on campus.

Library/Media Center

The John Spellman Library/Media Center (LMC) at Grays Harbor College helps students develop skills in accessing, evaluating, and using information as part of their instructional programs. The comprehensive LMC has one of the larger collections of information resources of the state's community colleges, carefully selected to support the educational needs of our students. The center provides over 30,000 physical books, almost 30,000 e-books, more than 200 printed journal subscriptions, and over 2,500 videotapes, DVDs, audio cassettes, etc. In addition, the Spellman LMC has been a leader in providing networked resources, with 13 specialized subscription databases providing access to professional information only available through the "invisible" Web. All computers in the LMC have access to the "open" Web's free resources, and the college's services are enhanced by rapid access to those of other libraries throughout the Pacific Northwest.

Digital cameras, scanners, audio and video recorders, binoculars, projectors, photocopier, fax, typewriters and word processors, tape duplicators, laminators, etc. are all available for student use.

The Spellman LMC facility offers student conference rooms for quiet or small-group study, a room to video record practice speeches or interviews, workstations for instructional media production and video tape viewing, and space to paste up posters or other aids for classroom presentations.

Special collections and exhibits are available to enhance students' educational experience while at GHC. The college's main art gallery displays the works of a variety of artists in frequently changing exhibits.

Any resident of Grays Harbor or Pacific County is welcome to borrow books and unbound periodicals, and may use other materials and computerized resources while visiting the LMC. Most of the electronic resources may be accessed by currently enrolled students from off-campus through the LMC's website: www.ghc.edu/library.

Basic Education

The Adult Basic Education program at Grays Harbor College provides classes in reading, writing, and computational skills, General Education Development (GED®) preparation, and English as a Second Language (ESL). Students between the ages of 16 and 18 can be enrolled on a permission basis. A request for permission must include a written release from the student’s high school, and/or parent. Classes are held on campus and at other locations throughout Grays Harbor and Pacific Counties. A free assessment in reading, math, speaking, and or listening is given to students wishing to enroll. Free GED® pre-tests are also given to determine GED® readiness. These free assessments are used to help place students in courses and to determine readiness for GED® testing. Assessment appointments can be made by calling 533-9733.

Adult Basic Education (ABE)

Adult Basic Education classes are attended by individuals who need to improve basic academic skills to pass GED® tests, to meet the requirements for enrolling in higher level academic or vocational courses, or to improve work and community skills. GED® practice tests are administered free of charge through the Adult Basic Education Office. Intake appointments can be made by contacting the Adult Basic Education Office at 360-533-9733.

English as a Second Language (ESL)

English as a Second Language classes emphasize listening, speaking, reading, and writing instruction for non-native English speakers. Intake appointments can be made by contacting the Adult Basic Education Office at 360-533-9733.

GED® Testing

The five tests of the General Education Development® (GED®) Battery are provided by appointment on the Grays Harbor College campus and throughout Grays Harbor and Pacific Counties. English and Spanish versions of the GED® Test are available. Appointments can be made by phone or in person by contacting the Student Support Center at 360-538-4049. There is a one-time testing fee to be paid when the individual takes his or her first test.

Diagnostic Testing

Diagnostic tests in reading, writing, and mathematics are available by appointment. These tests are free and are used to help place students in courses or to determine readiness for GED® testing. Appointments can be made by contacting the Adult Basic Education Office at 360-533-9733.

CASAS Score Correlations

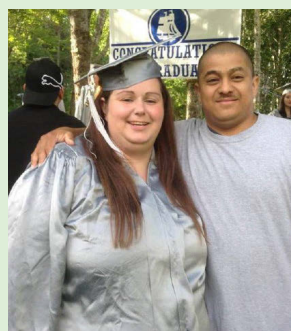
The table below identifies the correlations between the CASAS scores and Washington ABE Learning Standards/Washington ESL Learning Standards.

ESL Level	CASAS Score	ABE Level
ESL 1	180-below	
ESL 2	181-190	
ESL 3	191-200	ABE 1
ESL 4	201-210	ABE 2
ESL 5	211-220	ABE 3
ESL 6	221-235	ABE 4
Exit ESL	236-245	ABE 5
	246-255	ABE 6

Stafford Creek Corrections Center

Grays Harbor College offers classes to the offenders housed at Stafford Creek Corrections Center located approximately seven miles west of the campus. The College offers classes in Adult Basic Education, English as a Second Language, and assists offender students with the completion of their GED® and provide vocational skills programs. All courses are aimed at helping the offender students become well prepared, upon release, to enter the world of work and become productive citizens.

GED® @ GHC



Oh my, what have you done?

“My name is Joy Cooper and I am proud to be writing on behalf of the Grays Harbor College ABE program. When I first came into the program, I was struggling with being a recovering addict, a single mother, and trying to make a better life for myself. In

September of 2012 I entered classes at the Whiteside Education Center. I am proud to say that I received my GED in December 2012. Three months of hard work and lots of encouragement and I DID IT! Now I am privileged enough to be attending the Grays Harbor College to obtain my degree in Human Services as well as doing my work-study with the ABE/GED/ESL department. I encourage any and everyone who needs to or knows someone who is in need of their GED, ESL, or even to brush up of their CPT scores to attend this awesome program! As the title states, “Oh my, what have you done,” I would have to say that you have helped me succeed; you have helped me be the person I always dreamed of being.

That’s what you have done!”

Continuing Education

Grays Harbor College is committed to the belief that every person should have the opportunity for lifelong learning to investigate new career possibilities, to upgrade work skills, to enhance personal skills and to begin a pathway toward vocational and associate degrees. Grays Harbor College is also dedicated to serving the needs of our communities and supporting small business development.

The Continuing Education Division at Grays Harbor College provides:

- Lifelong learning and personal enrichment opportunities for adults through online and on-ground non-credit courses, as well as guided travel excursions;
- Job Skill enhancement courses, with many opportunities for single-course and short-term certifications in credit and non-credit courses;
- Courses supporting professional and state certification in Flagger Operations, Emergency Medical Technician and Certified Nursing Assistant; and
- A GHC Business Institute which includes a Small Business Resource Area at each of our four campuses, access to a Small Business Development Center's Certified Business Advisor, online and on-ground credit and non-credit business and workplace skills courses, customized training options for businesses, and access to business certificate and degree pathways.

Opportunities are available throughout Grays Harbor and Pacific Counties, including our Riverview Education Center in Raymond, Columbia Education Center in Ilwaco, Whiteside Education Center in Aberdeen and our Aberdeen Main Campus.



The Continuing Education office is located in the Whiteside Education Center at 418 East First Street, Aberdeen, WA 98520. Stop in or visit us at www.ghc.edu/ce for a full listing of options. For more information, contact Alice Bisbee at the Whiteside Office, 360-533-9733, alice.bisbee@ghc.edu.

Four-Year Degrees

The Evergreen State College

The Evergreen State College offers a unique educational experience at Grays Harbor College. Each quarter TESC offers a program conveniently scheduled on weekends and taught by Evergreen faculty on the Grays Harbor College campus. The focus of the Grays Harbor program changes from year to year but centers on interdisciplinary management, leadership, and the health of individuals, communities, and organizations. Students benefit from meaningful instruction as they develop critical thinking and analytical skills, refine problem-solving techniques, and become effective team players. You can complete your bachelor's degree without leaving the Harbor! The program began in 2000 with the stated objective of giving students who have graduated from GHC the opportunity to obtain a bachelor in liberal arts without having to leave that campus, but the program is open to all Evergreen students and often includes a broad mix of students from beyond the Grays Harbor area. For more information visit www.evergreen.edu/eveningandweekend/ghc.

Reservation Based Associate in Arts Degree

Grays Harbor College, The Evergreen State College and the State Board for Community and Technical Colleges have partnered to provide improved access to the transfer Associate in Arts degree to residents of tribal communities in Western Washington. This liberal arts program is intellectually rigorous and culturally relevant. It honors indigenous knowledge and Western European scholarly traditions.

Students enrolled in this cohort program earn the GHC direct transfer Associate in Arts degree and can matriculate directly into Evergreen's Reservation Based, Community Determined BA program, a liberal arts degree, which has served six Western Washington tribal communities with positive outcomes since 1989.

Courses supporting this program are offered online through GHC and on ground at The Evergreen State College Longhouse in Olympia.

Students are supported by upper division students and faculty mentors, by GHC outreach and student support services and by community based study leaders. For more information on the Reservation Based AA contact Mark Ramon, Outreach Specialist, at 360-538-4090, or mramon@ghc.edu.

Transfer Rights and Responsibilities

1. Students have the right to clear, accurate, and current information about their transfer admission requirements, transfer admission deadlines, degree requirements, and transfer policies that include course equivalencies.
2. Transfer and freshman-entry students have the right to expect comparable standards for regular admission to programs and comparable program requirements.
3. Students have the right to seek clarification regarding their transfer evaluation and may request the reconsideration of any aspect of that evaluation. In response, the college will follow established practices and processes for reviewing its transfer credit decisions.
4. Students who encounter other transfer difficulties have the right to seek resolution. Each institution will have a defined process for resolution that is published and readily available to students.
5. Students have the responsibility to complete all materials required for admission and to submit the application on or before the published deadlines.
6. Students have the responsibility to plan their courses of study by referring to the specific published degree requirements of the college or academic program in which they intend to earn a bachelor's degree.
7. When a student changes a major or degree program, the student assumes full responsibility for meeting the new requirements.
8. Students who complete the general education requirements at any public four-year institution of higher education in Washington, when admitted to another public four-year institution, will have met the lower division general education requirements of the institution to which they transfer.

College and University Rights and Responsibilities

1. Colleges and universities have the right and authority to determine program requirements and course offerings in accordance with their institutional missions.
2. Colleges and universities have the responsibility to communicate and publish their requirements and course offerings to students and the public, including information about student transfer rights and responsibilities.
3. Colleges and universities have the responsibility to communicate their admission and transfer related decisions to students in writing (electronic or paper).

Requirements for all Degrees

The College provides assistance in determining completion of the required curricula for graduation through its system of career advisors and counselors. However, the final responsibility for meeting all course and graduation requirements rests with the individual student. The requirements for all degrees are as follows:

1. Earn a minimum of ninety quarter hours of credit, plus three credits of physical education, in courses numbered 100 and above. No credit in a physical education requirement may be substituted for academic credit in meeting graduation requirements. Courses numbered below 100 do not count towards a degree.
2. Earn a minimum of 23 of the last 45 quarter hours applicable toward the degree while in attendance at Grays Harbor College.
3. Earn a cumulative grade-point average of 2.0 or better in all work, including transfer credits.
4. Meet the graduation requirements in effect during the year in which the student started a program leading to a degree. These requirements must be met within a seven-year period. The student also has the option to meet the requirements in effect at the time of graduation.
5. Fulfill all obligations to the College, financial or otherwise.
6. Satisfy all specific requirements for the degree sought.
7. Declare a major on the admissions application form, or in the case of a change in major, complete a change of major form at the Office of Admissions and Records.

Physical Education Requirements

In order to meet the requirements for graduation, all students must complete three credits of physical education courses numbered 100 or above or take HPF 101, Health and Wellness.

HPF 101 and Health and Wellness and PE 177 First Aid/CPR do not meet the one (1) activity credit of PE required for the Associate of Applied Science-Transfer (AAS-T) Nursing degree.

A student may receive credit for more than one activity per quarter. No credit in a physical education requirement may be substituted for academic credit in meeting graduation requirements.

PE Exemption for Veterans: 3 prior learning credits for military service. Must provide DD214 to Admissions and Records Office and Veterans Office in the Financial Aid Office.

Exceptions, Substitutions and Waivers

No one shall be excused from completing any course required for graduation without first receiving the approval of the Vice President for Instruction. Letters of petition must be submitted before the graduation term.

Application for Degrees or Certificates

Students must submit an application for graduation in order for their transcript to be evaluated for certificate or degree completion. A separate application must be submitted for each certificate or degree a student plans to complete. This application is usually completed during registration for the fourth quarter of attendance and must be submitted no later than the start of the final quarter of attendance.

Graduation Ceremony Participation

Students who complete the requirements for a degree in any quarter of the academic year may participate in the graduation ceremony in June of that academic year. Students must notify the Office of Student Services no later than mid-term of spring quarter of the year they intend to graduate in order to receive information about a cap and gown and to sign up for guest tickets to the graduation ceremony.

Transferring Credit to GHC

Credit for work done at other institutions may be accepted according to the following policy:

The decision to accept credit from other institutions is based mainly on accreditation. For transfer purposes, GHC recognizes those institutions that have received regional accreditation, or are national, professional and specialized accrediting bodies recognized by the U.S. Secretary of Education. Credits are transferred from institutions which are candidates for accreditation the same as if accredited. Credits earned while an institution was not accredited will not be accepted.

Evaluations of transfer credit are made from official transcripts that have been requested of an institution by the student and sent to the Admissions and Records Office. A copy of GHC's evaluation will be sent to the student. **Allow a minimum of three to four weeks process time.**

Transcripts are evaluated on a course-by-course basis. Upon completion, a written evaluation indicates which courses have been accepted as transfer credit to GHC and the GHC course equivalent for each transfer course. When a course is accepted in transfer, the same number of credits as was originally assigned to the course will be assigned at GHC. Semester credits at another college or university are converted to quarter credits on a basis of 1.5 quarter credits for each semester credit (i.e. 3 semester credits equal 4.5 quarter credits).

Credit for education and training obtained at unaccredited institutions and/or through extra-institutional/experiential learning must be evaluated on a case-by-case basis by a faculty advisor. For education and training in areas not offered at Grays Harbor College, recommendations will be solicited and may be applied depending on the degree goal.

Reciprocity Agreement

Washington Community and Technical Colleges (CTCs) offer reciprocity to students transferring within the CTC system who are pursuing the Direct Transfer Agreement (DTA) degree or the Associate in Science-Transfer (AS-T) degree.

Reciprocity of Individual Courses:

If a student transfers an individual course that meets a Communication Skills, Quantitative Skills or Distribution Requirement at the sending college for a specific transfer degree, that course is considered to have met that requirement at the receiving college for a similar transfer degree, even if this course does not have an exact equivalent and even if the course credit is awarded through prior learning credit.

If a student transfers an individual course that meets a Diversity Requirement at the sending college for a specific transfer degree, that course is considered to have met that requirement at the receiving college for a similar transfer degree, even if this course does not have an exact equivalent and even if the course credit is awarded through prior learning credit.

Reciprocity of Distribution Areas/Specific Requirements:

The receiving institution will accept an entire Distribution, Communication Skills, Quantitative Skills, or other requirement for a transfer degree as met if that student:

- A. Has met the sending institution's residency credit and meets the receiving institution's policy on continuous enrollment (enrollment pattern needed to complete under the catalog at entrance)
- B. Has met the entire Communication Skills, Quantitative Skills or Distribution Requirement of a transfer degree, according to the sending institution's degree criteria.*

The receiving institution will accept an entire Diversity Requirement for a transfer degree as being met if that student has met the entire Diversity Requirement of a transfer degree, according to the sending institution's degree criteria.

***Note:** Example criteria include number of disciplines, allowable disciplines, credits, sequence requirements (or lack thereof). In all these instances, the sending institution's requirements govern for that particular Communication Skills, Quantitative Skills or Distribution Requirement component.

- C. Has maintained a cumulative college-level grade-point average (GPA) of 2.0 or better at the sending institution. The receiving institution agrees to consider the requirement area met if these conditions, upon review, are met. (There is no limit to the number of requirement areas to be considered.)

Local Provisos:

The receiving college retains the right to impose unique, local prerequisite and graduation requirements. Such requirements might include learning communities/coordinated studies requirements, writing-intensive course requirements, and physical education/health requirements.

Although there is no limit on the number of credits a student may transfer to GHC before graduating, the student must meet all GHC degree requirements, including residency requirements, for any degree or certificate.

Courses numbered below 100 are not transferable to GHC, however, they may be noted on a written evaluation if they can be used as a prerequisite to GHC courses.

Limitations

Transfer credit is usually not accepted for the following types of study or coursework: 1) courses taken at colleges and universities that are not regionally accredited; 2) noncredit courses and workshops; 3) remedial or college preparatory courses; and 4) sectarian religious studies.

Processes by Which Credit May be Earned -- Prior Learning

Transfer Credit from another institution.
Please see "[Transferring Credit to GHC](#)."

Advanced Placement Credit (AP)

Grays Harbor College will give advanced credit to students who have completed Advanced Placement Tests of the College Board. Tests can be taken at local high schools and are scored by the College Entrance Examination Board in Princeton, New Jersey. A variety of subjects are available. There is a fee for taking the test. It is recommended that students verify with other institutions if the test score will be accepted for transfer. Students must achieve a score of 3, 4, or 5 to receive "Pass" credit at Grays Harbor College for each test. (No letter grades are awarded for these test scores.) Advanced Placement credits awarded by another institution will not be accepted. The student must provide the test scores and have them evaluated according to our standards.

A list of Advanced Placement (AP) test scores and GHC general education equivalent courses can be found on the college's website ([General Education Equivalent Courses](#)). Further information can be obtained from the Student Support Center of the high school counselors.

College Level Examination Program (CLEP) Students who are well prepared in a specific subject may attain credit through the College Level Examination Program (CLEP). A variety of subjects are available. Students must achieve a score of 50 or higher in all subjects except Foreign Language above the 121 level. All Foreign Language 122 or higher will need a score of 62 or higher. These scores give the student a "Pass" credit at Grays Harbor College for each test. (No letter grades are awarded for these test scores.) A limit of 45 quarter credits can be applied towards a degree at Grays Harbor College through the CLEP program. CLEP credits awarded by another institution will not be accepted. The student must provide the test scores and have them evaluated according to GHC standards ([CLEP](#)).

It is recommended that students verify with other institutions if the test score will be accepted for transfer. There is a fee for taking the test. For further information, contact the Student Support Center.

Military Education Credit

Credits may be granted for completion of certain education programs sponsored by the Armed Forces. The Guide to the Evaluation of Educational Experiences in the Armed Services is used as a reference in helping to determine the amount and type of credit, if any, a specific course is worth. Military credit evaluations are also subject to approval of department faculty.

[Tech Prep Credit](#)

Tech Prep classes are taught in local high schools by qualified high school instructors. Any high school student may take a Tech Prep course, but only those who successfully complete the designated Tech Prep courses with a "B" (3.0) or better, may earn college credit. Register on-line (<http://sers.techprepwa.org/default.aspx>) for the appropriate class and teacher. Once a student has completed all components, the instructor will notify the college to transcript the credit. This results in a college transcript for each Tech Prep student, listing courses and grades. When Tech Prep students enroll at Grays Harbor College after high school graduation, they find that they already have some college credit waiting for them.

Running Start

Created by the Washington State Legislature, Running Start is a program providing academically qualified students with the opportunity to simultaneously earn high school and college credits. Additional information can be found online ([Running Start](#)) or call (360) 538-4093.

Washington State Criminal Justice Training Commission Credit

Graduates of the Basic Police Academy, Correctional Officer Academy, and Police Reserve Academy may request in-lieu credit. Credit for advanced training provided by the Washington State Criminal Justice Training Commission may be accepted. Please see the Criminal Justice advisor for additional information.

Appeals

Students who wish to appeal a decision concerning acceptance of transfer credit should do so in writing to the Vice President for Instruction.

Degrees

The Grays Harbor College Board of Trustees has authorized the following degrees. These brief descriptions of the degrees are listed for students' use in selecting a program and degree which meets their educational goal. More detailed information for each degree is shown on the following pages of this catalog.

The College President is authorized to certify the eligibility of students to receive the associate degrees. The President may issue certificates of Completion and Certificates of Achievement for specific programs of training which are of two years or less in duration.

Desired Student Abilities

The Grays Harbor College General Education program is designed to help students become intellectually free and able to make informed, enlightened decisions. Courses offered throughout the Humanities, the Social Sciences, the Natural Sciences, and the professional/technical fields emphasize the valuable and remarkable achievements of humankind. The program provides students the opportunity to integrate knowledge and skills, encouraging them to develop in the following competencies:

- **Disciplinary Learning**
Knowledge of content in prerequisite or transfer courses, as well as preparation for a career.
- **Literacy**
Skills in reading, writing, speaking, listening, and quantifying, as well as awareness and appreciation of learning styles and life-long learning options.
- **Critical Thinking**
Competency in analysis, synthesis, problem solving, decision making, creative exploration, and formulation of an aesthetic response.
- **Social and Personal Responsibility**
Awareness of and responsiveness to diversity and commonality among cultures, multiplicity of perspectives, ethical behaviors, and health and wellness issues.
- **Information Use**
Skills in accessing and evaluating information resources including campus resources, awareness of the role of information resources in making sound decisions, and command of the skills required to use appropriate technologies effectively.

Student Outcomes

The college has clearly identified expected student learning outcomes for all of its programs, degrees, and certificates ([Outcomes](#)).

“Washington 45”

The list of courses in Washington 45 does not replace the Direct Transfer Agreement, Associate of Science Tracks I and II or any Major Related Program agreement, nor will it guarantee admission to a four-year institution.

A student who completes courses selected from within the general education categories listed below at a public community, technical, four-year college or university in Washington State will be able to transfer and apply a maximum of 45 quarter credits toward general education requirement(s) at any other public and most private higher education institutions in the state.

For transfer purposes, a student must have a **minimum grade of C or better (2.0 or above) in each course** completed from this list.

Students who transfer Washington 45 courses must still meet a receiving institution's admission requirements and eventually satisfy all their general education requirements and their degree requirements in major, minor and professional programs.

“First Year Transfer List” of general education courses

- **Communications** (5 credits)
ENGL& 101, ENGL& 102
- **Quantitative and Symbolic Reasoning** (5 credits)
MATH& 107, MATH& 148 or MATH& 151
- **Humanities** (10 credits in two different subject areas or disciplines) PHIL& 101, MUSC& 105, DRMA& 101, ENGL& 111, or HUM& 101
For colleges that use History as a Humanities HIST& 116, HIST& 117, HIST& 118, HIST& 146, HIST& 147, HIST& 148)
- **Social Science** (10 credits in two different subject areas or disciplines) PSYC& 100, SOC& 101, POLS& 101, POLS& 202
For colleges that use History as a Social Science: HIST& 116, HIST& 117, HIST& 118, HIST& 146, HIST& 147, HIST& 148
- **Natural Sciences** (10 credits in two different subject areas or disciplines) BIOL& 100, BIOL& 160 w/ lab, ASTR& 100, ASTR& 101 with lab, CHEM& 105, CHEM& 110 with lab, CHEM& 121 with lab, CHEM& 161, CHEM& 162, ENV& 100, ENV& 101, PHYS& 114, GEOL& 101 with lab.
- **Additional 5 credits** in a different discipline can be taken from any category listed above.

NOTE: Although these courses are listed under categories, the actual course may satisfy a different general education category at a receiving institution.

Associate in Arts Direct Transfer Agreement

The Associate in Arts (AA) degree is an appropriate degree for students who will ultimately seek a bachelor degree from a four-year college or university. The Associate in Arts degree at Grays Harbor College meets the 1996 Intercollege Relations Commission's (ICRC) AA transfer degree guidelines for Washington colleges and universities. Transfer under the ICRC guidelines is dependent upon completion of an associate degree prior to transfer to a four-year institution. The AA degree requires courses primarily from the liberal arts area which are transferable to senior institutions. A student transferring with an Associate in Arts degree enters all Washington public and many private four-year institutions with junior-level standing and all general education requirements satisfied.

This degree requires completion of ninety academic credits in courses numbered 100 or above with a minimum of 2.0 cumulative GPA, plus three physical education requirement course credits. The ninety academic credits include fifteen credits in writing and quantitative skills plus fifteen credits each in science, social science and humanities, and thirty credits additional coursework, with a minimum of twenty credits from the distribution requirement course list or from the specified elective list.

Students will work with their academic advisor(s) in planning for specific majors/programs.

Associate in Business Direct Transfer Agreement/ Major Related Program

The Associate in Business - Direct Transfer Agreement (AB-DTA) degree is for students who intend to secure a bachelor degree in business from a four-year college or university. Students who complete the AB-DTA degree will have satisfied the lower division general education requirements and lower division business requirements at the baccalaureate institutions. It does not, however, guarantee admission to Washington public baccalaureate schools of business. The degree meets the guidelines of the Direct Transfer Agreement set forth by the Intercollege Relations Commission (ICRC).

This degree requires completion of ninety academic credits in courses numbered 100 or above with a minimum of 2.0 cumulative GPA, plus three physical education requirement course credits. Required are fifteen credits in writing and quantitative skills plus fifteen credits in social science, fifteen credits in humanities, ten credits in science, five credits in math, plus twenty credits of specified business electives and ten credits of general elective coursework.

Associate in Pre-Nursing Direct Transfer Agreement/Major Related Program

This degree requires completion of a minimum of ninety credits in academic courses numbered 100 or above with a minimum of 2.0 cumulative GPA, plus three physical education requirement course credits. Required are ten credits in writing skills and five credits in quantitative skills (statistics) plus fifteen credits in social sciences, fifteen credits in humanities, thirty-five credits in natural sciences (with at least twenty-five credits lab-based) and ten credits of general elective coursework.

Associate in Science - Transfer AS-T Track 1 and AS-T Track 2

The Associate in Science degree is intended for the student planning to transfer to a four-year institution to pursue a professional or pre-professional program. The basic requirement is to complete the departmental requirements at the institution to which the student intends to transfer. Therefore, all courses taken at Grays Harbor College should be transfer courses. The student must complete ninety academic credits, numbered 100 or above, plus three physical education requirement credits. The overall grade-point average must be at least 2.0.

AS-T Track 1:

Biological Sciences, Environmental/Resource Sciences, Chemistry, Geology and Earth Science

This degree is designed to prepare students for upper division study in the areas of biological sciences, environmental/resource sciences, chemistry, geology, and earth science.

AS-T Track 2:

Engineering, Computer Science, Physics, and Atmospheric Sciences

This degree is designed to prepare students for upper division study in the areas of Engineering, Computer Science, Physics, and Atmospheric Sciences.

Completion of all required courses in these programs satisfies Intercollege Relations Commission (ICRC) Associate in Science transfer degree requirements. A student transferring with a transfer Associate in Science degree enters all Washington public and some private four-year institutions with junior-level standing. Completing these degrees does not guarantee students admission to the major. **Students will work with their academic advisor(s) in planning for these programs.**

Associate in Science (AS)

The Associate in Science degree is intended for the student planning to transfer to a four-year institution to pursue a professional or pre-professional program. The basic requirement is to complete the departmental requirements at the institution to which the student intends to transfer. Therefore, all courses taken at Grays Harbor College should be transfer courses. The student must complete ninety academic credits, numbered 100 or above, plus three physical education requirement credits. The overall grade-point average must be at least 2.0.

With an advisor's help, the degree can be tailored for students planning to major in the areas below.

Chiropractic
Dental Hygiene
Dentistry
Medical Technology
Naturopathic Medicine
Optometry
Pharmacy
Physical Therapy
Veterinary Medicine

Associate in Applied Science - Transfer (AAS-T)

The AAS-T degree is awarded to students who satisfactorily complete the competencies and requirements in programs approved by the college's Instructional Council and by the State Board for Community and Technical Colleges. AAS-T degrees are workforce degrees with a core of general education courses commonly accepted in transfer. The general education component of the AAS-T degree is comprised of not less than twenty (20) credits of courses including a minimum of 5 credits in English Composition; 5 credits in quantitative reasoning; and 10 credits in social science, humanities or science. It is assumed that many AAS-T degrees will have significantly more than the minimum 20 credits of general education courses. Degree options are indicated on individual professional technical program descriptions in this catalog.

Associate in Applied Science or Associate in Technology

The Associate in Applied Science (AAS) and Associate in Technology (AT) degrees require completion of a minimum of ninety credits, plus three physical education credits, which fulfill the specific requirements of one of the professional/technical curricula listed in the catalog.

All Associate in Applied Science and Associate in Technology degrees contain a core of required general education courses in communication, computation, and human relations.

In general, Grays Harbor College's Associate in Applied Science (AAS) and Associate in Technology (AT) degrees are not designed for transfer to other colleges or universities. AAS and AT degrees will not be accepted as appropriate preparation for most BA or BS degrees. The Associate in Applied Science, Associate in Technology, Certificate of Completion (CC), and Certificate of Achievement (CA) are designed for students whose primary goal is to enter the job market after completion.

This degree requires completion of ninety academic credits in courses numbered 100 or above plus three physical education credits. The ninety academic credits must include ENGL& 101 (or higher), plus ten credits each from science, social science and humanities. The candidate must complete MATH& 107 or higher.

Associate in General Studies

The Associate in General Studies degree allows maximum exploration of courses by the student. It is not intended for students who plan to transfer to a senior institution and pursue a baccalaureate degree. The specific program for the Associate in General Studies degree will be made in conjunction with an academic advisor or counselor.

This degree requires completion of ninety academic credits in courses numbered 100 or above plus three physical education credits. The ninety academic credits must include ENGL& 101 (or higher), plus ten credits each from science, social science and humanities. The candidate must complete MATH& 107 or higher.



Transfer @ GHC

“The last two years at GHC have shaped countless years of my future, giving me the confidence to succeed anywhere. Moving out of state, going to a large university, and making the transition to independence were all very scary steps for me. The perfect stepping stone to success, GHC creates the foundation of an academic plan stretching far beyond its campus. Instructors quickly become mentors, always willing to give advice and guidance. College is a time of challenge and self-discovery; at GHC, this journey is safe, supportive, and close to home. GHC is just as real as any university—but unlike a large school, you'll never feel lost.”

Mara Harwood

Ocosta High School Class of 2013

Grays Harbor College Class of 2013

Transferring to Mills College to study Biology

**ASSOCIATE IN ARTS DEGREE
DIRECT TRANSFER AGREEMENT**

Summary of Requirements

Complete a minimum of ninety credits in courses numbered 100 or above with a minimum of 2.0 cumulative GPA, plus three PE requirement credits including:

General College Requirements

- 10 credits writing skills
- 5 credits quantitative skills (for which intermediate algebra is a required prerequisite)
- 3 PE requirement credits

Distribution Requirements

- 15 credits social science electives
- 15 credits humanities electives
- 15 credits science-math electives, including laboratory science

Electives

- 20 specified credits additional coursework, with a minimum of twenty credits from the distribution requirement course list or from the specified elective list

General Electives

- 10 credits maximum of general electives

plus

- fulfill all obligations to the college, financial or otherwise
- fulfill general requirements for all degrees as described on [page 30](#).

Any specific course may NOT be credited to more than one distribution or skill area requirement.

**General College Requirements
(18 credits required)**

With literacy, numeracy, and health as aims, General College Requirements build foundations for student success in college. College-level writing, mathematics, and physical education courses are required of Associate in Arts students as follows:

I. Writing Skills (10 credits)

ENGL& 101	English Composition I	5
ENGL& 102	English Composition II	5
or		
ENGL& 235	Technical Writing	5

II. Quantitative Skills (5 credits)

The quantitative skills requirement (for which intermediate algebra is a required prerequisite) can be satisfied by taking one of the following courses:

MATH 111	Introduction to Finite Math	5
MATH& 107	Math in Society	5
MATH& 146	Introduction to Statistics	5
MATH& 148	Business Calculus	5
MATH& 141	Precalculus I	5
MATH& 142	Precalculus II	5
MATH& 151	Calculus I	5
MATH& 152	Calculus II	5
MATH& 163	Calculus 3	5

The quantitative skills requirement may also be satisfied by taking **both** of the following courses:

MATH& 131	Mathematics for Elementary Ed 1	5
MATH& 132	Mathematics for Elementary Ed 2	5

NOTE: Students who complete both MATH& 131 and MATH& 132 will be granted 5 credits of specified elective credit as well as satisfying the quantitative skills requirement.

III. Physical Education (3 credits)

In order to meet the requirements for graduation, all students must complete three credits of physical education courses numbered 100 or above or take HPF 101, Health and Wellness.

**Distribution Requirements
(45 credits required)**

Associate in Arts degree students must distribute at least 45 credits in the areas of the humanities, social sciences, and sciences (15 credits each). Shaped by a shared concern for academic breadth and depth, distribution courses lay a foundation for college or university education, grounding further work in four-year transfer institutions. Beyond 45 credits, these courses may also be used to fulfill specified and general elective requirements.

Social Science (15 credits)

A total of 15 credits is required in social science. One course from three different areas, labeled A through D, is required.

Area A: History		Credits
HIST& 116	Western Civilization I	5
HIST& 117	Western Civilization II	5
HIST& 118	Western Civilization III	5
HIST 122	History of Modern East Asia	5
HIST& 146	US History I	5
HIST& 147	US History II	5
HIST& 148	US History III	5
HIST& 214	Pacific Northwest History	5
HIST& 219	Native American History	5
HIST 220	20th Century Europe	5
HIST 252	Latin American History	5
HIST 270	Slavery/Freedom	5
HIST 271	African-American History	5
HIST 272	History of England	5
Area B: Economics/Political Science		
CJUS 102	Law and Society	5
ECON 100	Introduction to Economics	5
ECON& 201	Micro Economics	5
ECON& 202	Macro Economics	5
POL S 102	Law and Society	5
POLS& 202	American Government	5
Area C: Anthropology/Sociology		
ANTH& 100	Introduction to Anthropology	5
ANTH& 206	Cultural Anthropology	5
SOC 106	Juvenile Justice	5
SOC 112	Criminology	5
SOC 252	Marriage and Family	5
SOC& 101	Introduction to Sociology	5
Area D: Psychology		
PSYC& 100	General Psychology	5

Humanities (15 credits)

A total of 15 credits is required in humanities, one course from three different areas, labeled A through G, with a maximum of five credits in performance* courses.

Area A: Visual Arts		Credits
ART& 100	Art Appreciation	5
ART 101	Drawing I*	5
ART 104	Design I*	5
ART 105	Design II*	5
Area B: Theatrical Arts		
DRMA& 101	Introduction to Theatre	5
FILM 125	Film Interpretation	5
THEA 161	Introduction to Acting*	4
THEA 163	Introduction to Directing*	3
Area C: Musical Arts		
MUSIC 100	Music Fundamentals	5
MUSC& 105	Music Appreciation	5
MUSC& 121	Ear Training I	2
MUSC& 131	Music Theory I	3
Area D: Literary Arts		
ENGL 208	Survey of British Literature I	5
ENGL 209	Survey of British Literature II	5
ENGL& 220	Introduction to Shakespeare	5
ENGL& 244	Introduction to American Literature	5
ENGL 252	Survey of World Literature	5
ENGL 275	Gender in Literature	5
Area E: Languages (5 credit maximum)		
CHIN& 121	Chinese I	5
FRCH& 121-123	French I, II, III	5
GERM& 121-123	German I, II, III	5
ITAL 125	Italian I	5
JAPN& 121-123	Japanese I, II, III	5
LATIN 125	Latin I	5
POL 125	Polish I	5
RUSS 125	Russian I	5
SPAN& 121-123	Spanish I, II, III	5
Area F: Speech		
SPCH 101	Fundamentals of Speech	5
SPCH 201	Fundamentals of Group Discussion	3
Area G: Culture and Ideas		
LING 101	Introduction to World Languages	5
PHIL& 101	Introduction to Philosophy	5

Science (15 credits)

A total of 15 credits is required in science with at least 10 credits in the physical, biological, and/or earth sciences. One course from three different areas, labeled A through F is required. At least one course with a laboratory must be taken. (*indicates lab)

Area A: Biological Science		Credits
BIOL& 100	Introduction to Biology*	5
BIOL 109	Plants of Western Washington*	5
BIOL 118	Human Biology*	5
BIOL& 160	General Biology I*	5
BIOL& 221	Biological Science I*	5
BIOL& 222	Biological Science II*	5
BIOL& 223	Biological Science III*	5
BIOL& 260	Microbiology*	5
Area B: Chemical Science		
CHEM& 110	Chemical Concepts*	5
CHEM& 121	Introduction to Chemistry*	5
CHEM& 131	Introduction to Organic/Biochemistry*	5
CHEM& 161	General Chemistry *	5
Area C: Environmental Science		
BIOL 140	Ecology*	5
ENVS& 100	Survey of Environmental Science	5
GEOL 107	Intro to Weather	5
Area D: Earth Science		
EARTH 102	Earth Science	5
GEOL& 101	Introduction to Physical Geology*	5
Area E: Physical Science		
ASTRO 101	Astronomy	5
PHYS& 114	General Physics I*	5
PHYS& 221	Engineer Physics I*	5
Area F: Mathematics		
MATH 111	Introduction to Finite Math	5
MATH& 107	Math in Society	5
MATH& 141	Precalculus I	5
MATH& 142	Precalculus II	5
MATH& 146	Introduction to Statistics	5
MATH& 148	Business Calculus	5
MATH& 151	Calculus I	5
MATH& 152	Calculus II	5
MATH 220	Linear Algebra	5
MATH 224	Calculus 4	3

Note: Credits used to satisfy quantitative skills requirements may not be used for distribution credit.

Electives (30 credits)**Specified Electives (20 credits)**

Specified electives represent specialized or advanced college-level transfer courses. They include courses in traditional and pre-professional fields, including business, engineering, computer science, and education. Degree students must choose a minimum of 20 additional credits selected from:

- the distribution requirements on the previous pages
and/or
- the following listed specified electives.

		Credits
ACCT& 201	Principles of Accounting I	5
ACCT& 202	Principles of Accounting II	5
ACCT& 203	Principles of Accounting III	5
ART 102	Drawing II	5
ART 103	Drawing III	5
ART 251	Painting I	5
ART 252	Painting II	5
ART 260	Introduction to Printmaking	5
BUS& 101	Intrudution to Business	5
BUS& 201	Business Law	5
BIOL& 241	Human Anatomy and Physiology I	5
BIOL& 242	Human Anatomy and Physiology II	5
CHEM& 162	General Chemistry w/Lab II	6
CHEM& 163	General Chemistry w/Lab III	6
CHEM& 261	Organic Chemistry w/Lab I	6
CHEM& 262	Organic Chemistry w/Lab II	6
CHEM& 263	Organic Chemistry w/Lab III	3
CHIN& 122	Chinese II	5
CHIN& 123	Chinese III	5
CJ& 101	Introduction to Criminal Justice	5
CJUS 151	Drugs and Our Society	5
EDUC 201	Intro/Orientation to Teaching	5
EDUC 202	Education Practicum	3
ENGL& 235	Technical Writing	5
ENGL 241	Fiction Writing	2
ENGL 242	Poetry Writing	2
ENGL 243	Playwriting	2
ENGR& 104	Intro to Engineering/Design	5
ENGR& 214	Statics	5
ENGR& 215	Dynamics	5
ENGR 240	Applied Numerical Methods	5
HS 101	Introduction to Human Services	5
ITAL 126	Italian II	5
ITAL 127	Italian III	5
LATIN 126	Latin II	5
LATIN 127	Latin III	5
LIB 101	Intro to Information Resources	2
LIB 120	Learning for the 21st Century	5

		<u>Credits</u>
MATH 241	Differential Equations I	5
MATH& 163	Calculus 3	5
MUSIC 117	Beginning Piano Techniques I	1
MUSIC 118	Beginning Piano Techniques II	1
MUSIC 119	Beginning Piano Techniques III	1
MUSC& 122	Ear Training 2	2
MUSC& 123	Ear Training 3	2
MUSC& 132	Music Theory 2	3
MUSC& 133	Music Theory 3	3
MUSIC 150-158	Applied Music (Private Lessons)	1-1.5
MUSIC 161-186	Performance Groups	1-1.5
MUSIC 217	Intermediate Piano I	1
MUSIC 218	Intermediate Piano II	1
MUSIC 219	Intermediate Piano III	1
MUSC& 221	Intermediate Ear Training 1	2
MUSC& 222	Intermediate Ear Training 2	2
MUSC& 223	Intermediate Ear Training 3	2
MUSIC 231	Intermediate Harmony	3
MUSIC 232	Advanced Harmony I	3
MUSIC 233	Advanced Harmony II	3
MUSIC 250-258	Adv Applied Music (Private Lessons)	2
MUSIC 261-286	Performance Groups	1-1.5
NUTR& 101	Nutrition	5
PHYS& 115	General Physics II	5
PHYS& 116	General Physics III	5
PHYS& 222	Engineering Physics II	5
PHYS& 223	Engineering Physics III	5
POL 126	Polish II	5
POL 127	Polish III	5
POL S 110	Law and Justice	5
POL S 200	Foreign Policy of the United States	5
POL S 204	Introduction to Public Administration	5
PSYC& 180	Human Sexuality	5
PSYC& 200	Lifespan Psychology	5
PSYCH 210	Psychology of Adjustment	5
PSYC& 220	Abnormal Psychology	5
PSYCH 250	Social Psychology	5
RUSS 126	Russian II	5
RUSS 127	Russian III	5
SOC& 201	Social Problems	5
THEA 151	Theatre Workshop	3
THEA 235	Stagecraft	4
THEA 236	Stage Lighting	4
THEA 270	Stage Makeup	3

**General Electives
(10 credits maximum)**

General electives include:

- a. any distribution courses **and/or**
- b. any specified electives, **and/or**
- c. any other college-level courses numbered 100 or higher.

Although not all courses may transfer independently, they may be acceptable as part of Grays Harbor College’s transfer arrangements at four-year institutions. They may constitute, however, no more than ten credits in any degree program. Physical education requirement credits cannot be used as electives.

Transfer @ GHC

“Grays Harbor College educates leaders who make a difference. The environment at GHC is the embodiment of positive education where students develop skills and build relationships. I feel very lucky to have been introduced to college and the tremendous educators here. It has allowed me to stay close to my family while pursuing my lifelong dream of becoming an engineer. GHC is a strong platform to build a future on – a place to get the most value for your educational dollar without sacrificing the quality of the education you receive.”



Joe Collins

*Hoquiam High School Class of 1985
United States Marine Corps 1985-1989
Grays Harbor College Class of 2013
Transferring to Washington State University
to study Engineering*

**ASSOCIATE IN BUSINESS
DIRECT TRANSFER AGREEMENT/
MAJOR RELATED PROGRAM**

Summary of Requirements

Complete a minimum of ninety credits in courses numbered 100 or above with a minimum of 2.0 cumulative GPA, plus three PE requirement credits including:

General College Requirements

- 10 credits writing skills
- 10 credits quantitative skills
- 3 PE requirement credits

Distribution Requirements

- 15 credits social science
- 15 credits humanities
- 15 credits science

Required Electives

- 20 credits specified business electives
- 5 credits maximum of general electives

plus

- fulfill all obligations to the college, financial or otherwise
- fulfill general requirements for all degrees as described on [page 30](#).

Minimum grade-point average requirements are established by each institution. Meeting the minimum requirement does not guarantee admission. Business programs are competitive and may require a higher GPA overall, a higher GPA in a selected subset of courses or a specific minimum grade in one or more courses.

**General College Requirements
(23 credits required)**

With literacy, numeracy, and health as aims, General College Requirements build foundations for student success in college. College-level writing, mathematics, and physical education courses are required of Associate in Business - Direct Transfer Agreement students as follows:

I. Writing Skills (10 credits)

ENGL& 101	English Composition I	5
ENGL& 102	English Composition II	5
or		
ENGL& 235	Technical Writing	5

(See note 1 for EWU and CWU requirements)

II. Quantitative Skills (10 credits)

MATH 111	Introduction to Finite Math	5
MATH& 148	Business Calculus	5

III. Physical Education (3 credits)

In order to meet the requirements for graduation, all students must complete three (3) credits of physical education courses numbered 100 or above or take HPF 101, Health and Wellness.

**Distribution Requirements
(45 credits required)**

Associate in Business - Direct Transfer Agreement students must distribute at least 45 credits in the areas of the humanities, social science, and science (15 credits each). Shaped by a shared concern for academic breadth and depth, distribution courses lay a foundation for college or university education, grounding further work in four-year transfer institutions. Beyond 45 credits, these courses may also be used to fulfill general elective requirements.

Social Science (15 credits)

A total of fifteen (15) credits is required (10 credits in Economics and 5 credits selected from Associate in Arts distribution areas A, C or D).

ECON& 201	Micro Economics	5
ECON& 202	Macro Economics	5

plus

Social Science Distribution Areas A, C or D	5
---	---

Humanities (15 credits)

A total of fifteen (15) credits is required in humanities. A minimum of three (3) credits are required from three different areas, labeled A through G from the Associate in Arts degree humanities distribution courses listed on [page 37](#).

(See notes 2,3)

Science (15 credits)

A total of fifteen (15) credits is required in science (5 credits in Statistics and 10 credits in two different areas of science -- physical, biological, and earth). At least one laboratory course is required. A minimum of ten credits are required from areas A, B, D, or E from the Associate in Arts degree science distribution courses listed on [page 37](#)

(See note 4)

MATH& 146 Introduction to Statistics	5
AA Distribution Areas A, B, D or E	10

Specified Business Electives (20 credits)

The following courses, for a total of 20 credits, are required.

ACCT& 201 Principles of Accounting I	5
ACCT& 202 Principles of Accounting II	5
ACCT& 203 Principles of Accounting III	5
BUS& 201 Business Law I	5

Universities with a lower division Business Law requirement: UW (all campuses), WSU (all campuses), EWU, CWU, WWU, Gonzaga, SMU, SPU, Whitworth.

The following institutions do not require a lower division Business Law course and agree to accept the course taken as part of this degree as a lower division elective, but generally not as an equivalent to the course required at the upper division: Heritage, PLU, SU, and Walla Walla University

(See note 5)

General Electives (5 credits maximum)

Five credits of non-business electives except as noted below.

(See note 6)

Although not all courses may transfer independently, they may be acceptable as part of Grays Harbor College's transfer arrangements at four-year institutions. They may constitute, however, no more than ten credits in any degree program. Physical education requirement credits cannot be used as electives.

Business School Admission

Admission to Washington public baccalaureate Schools of Business is not guaranteed to students holding an Associate in Business - DTA Degree. It is strongly recommended that students contact the baccalaureate-granting business school early in their Associate in Business - DTA program to be advised about additional requirements (e.g., GPA and procedures for admission).

Please note that admission for many Business Schools is competitive, and higher grade-point averages and course grades are often required. Please check with your destination school and college.

Specific University Information

For program planning purposes, students are advised that the lower-division requirements for individual Washington public university business schools may vary.

Notes

- To meet the current EWU requirements, the second English Composition course must be equivalent to EWU's English 201-College Composition: Analysis, Research, and Documentation
- Students are encouraged to include a speech or oral communication course (not small group communication). Students intending the international business major should consult their potential transfer institution regarding the level of world language required for admission to the major. 5 credits in world languages may apply to the Humanities requirement.
- Students are encouraged to include a speech or oral communication course (not small group communication).
- Students intending the manufacturing management major at WWU should consult WWU regarding the selection of natural science courses required for admission to the major.
- International students who completed a business law course specific to their home country must take a business law course at a U.S. institution in order to demonstrate proficiency in U.S. business law.
- Five institutions have requirements for admission to the major that go beyond those specified above. Students can meet these requirements by careful selection of the elective University Course Equivalent to:
 - WSU (all campuses): Management Information Systems MIS 250
 - Gonzaga: Management Information Systems BMSI 235
 - PLU: Computer Applications CSCE 120, either an equivalent course or skills test
 - SPU: Spreadsheets BUS 1700, either an equivalent course or skills test
 - WWU: Introduction to Business Computer Systems MIS 220 (for transferring students entering fall 2014)

**ASSOCIATE IN PRE-NURSING
DIRECT TRANSFER AGREEMENT/
MAJOR RELATED PROGRAM**

Summary of Requirements

This degree is applicable for students planning to transfer to an upper division Bachelor of Science, Nursing (Entry-to-practice/basic BSN pathway). The student completes a minimum of ninety credits in courses numbered 100 or above with a minimum of 2.0 cumulative GPA, plus three PE requirement credits including:

General College Requirements

- 10 credits writing skills
- 5 credits quantitative skills (Statistics)
- 3 PE requirement credits

Distribution Requirements

- 15 credits social science
- 15 credits humanities
- 35 credits natural sciences
(with at least 25 credits lab-based)

Required Electives

- 10 credits maximum of general electives

plus

- fulfill all obligations to the college, financial or otherwise
- fulfill general requirements for all degrees as described on [page 30](#).

Students should contact their potential transfer institutions regarding the requirement for overall minimum GPA, a higher GPA in a selected subset of courses or a specific minimum grade in one or more courses such as math or English.

Registered nurses perform health assessment, plan care, and intervene to assist persons in the prevention of illness, the promotion, restoration, or maintenance of health, and in end-of-life care for persons who are dying. Registered nurses work in a variety of health care settings including hospitals, nursing homes, community and home health agencies, schools, and offices. A license is required to practice professional nursing. Applicants for licensure in Washington State must be graduates of a school of nursing approved by the Nursing Care Quality Assurance Commission, an agency of the Department of Health.

**General College Requirements
(18 credits required)**

I. Writing Skills (10 credits)

ENGL& 101	English Composition I	5
ENGL& 102	English Composition II	5
or		
ENGL& 235	Technical Writing	5

(See note 1)

II. Quantitative Skills (5 credits)

MATH& 146	Introduction Statistics	5
-----------	-------------------------	---

(See note 2)

III. Physical Education (3 credits)

In order to meet the requirements for graduation, all students must complete three (3) credits of physical education courses numbered 100 or above or take HPF 101, Health and Wellness or PE 177.

Distribution Requirements (65 credits required)

Students should make early contact with their potential transfer institutions regarding the specific courses they should take in these distribution areas.

Social Sciences

PSYC& 100	General Psychology	5
PSYC& 200	Lifespan Psychology	5
SOC& 101	Introduction to Sociology	5

(See note 3)

Humanities

SPCH 101	Fundamentals of Speech (required)	5
Other Humanities		10

- 5 credits maximum in world language or ASL;
- 5 credits maximum in performance/skills classes.

(See note 4)

Sciences (25 credits lab-based required)

BIOL& 160	General Biology	5
BIOL& 260	Microbiology	5
BIOL& 241	Human Anatomy and Physiology I	5
BIOL& 242	Human Anatomy and Physiology II	5
CHEM& 121	Introduction to Chemistry	5
CHEM& 131	Introduction Organic/Biochemistry	5
NUTR& 101	Nutrition	5

(See note 5)

Required Electives

Up to 10 additional quarter credits of which a maximum of 5 credits may be in college-level courses as defined by the community college, and the remainder shall be fully transferable as defined by the receiving institution.

(See note 6)

Application to a University or College

1. Admissions application deadlines vary; students must meet the deadline for the university or universities to which they plan to apply for admission to transfer.
2. For admission to nursing as a major it is critical to note that grade point average requirements vary and admission is competitive across the several programs in Nursing.
3. Certain schools may have additional “university-specific” requirements that are not pre-requisites to admission to the Nursing major but will need to be completed prior to graduation or, as noted below for NU, prior to commencement of nursing courses. Contact with advisors from individual schools for institutional requirements is highly recommended since this DTA may not meet every institution-specific graduation requirement. NU, for example requires Old Testament and New Testament in the summer prior to beginning nursing classes.
4. Certain schools may have additional “university-specific” requirements for admission to the institution that are not pre-requisites specifically identified in the DTA requirements. UW Seattle, for example, requires 10 credits of a world language if the applicant has not completed two years of a single language in high school; PLU requires a year of a foreign language at the college level, if two years of high school foreign language has not been completed.

Notes

- Note 1: Northwest University and Walla Walla College require that the second English composition class be a research writing class.
- Note 2: UW Seattle and Seattle University require 10 credits in quantitative/symbolic reasoning with the additional class in college algebra or precalculus (at UW Seattle, a class in Logic also serves for the additional class).



Note 3: Northwest University requires Cultural Anthropology and does not accept a course in the sociology discipline as a substitute. Students may be admitted to the BSN without Cultural Anthropology if they agree to complete the course at NU in the summer prior to the junior year. A curriculum that provides students with an understanding of and sensitivity to human diversity is encouraged (required by WSU). The credits in sociology provide one opportunity for such a curriculum. See the sociology choices in the WSU “Diversity Course Identification Guidelines” for possible selection or choose courses that include minority, non-western, ethnic or other “area” studies.

Note 4: In order to better prepare for successful transfer, students are encouraged to consult with the institution(s) to which they wish to transfer regarding the humanities courses that best support or may be required as prerequisites to their nursing curriculum.

A curriculum that provides students with an understanding of and sensitivity to human diversity is encouraged (required by WSU). Credits in the humanities distribution area provide one opportunity for such a curriculum. See the humanities choices in the WSU “Diversity Course Identification Guidelines” for possible selection or choose course that include minority, non-western, ethnic or other “area” studies.

- 5 credits maximum in world language or ASL;
- 5 credits maximum in performance/skills classes.

Note 5: Northwest University requires 2 credits of Genetics as well. Students may be admitted to the BSN without Genetics if they agree to complete the course at NU in the summer prior to the junior year.

At the time of application when some of the course work may not yet be completed, UW Seattle requires a minimum GPA of 3.0 for 3 out of 7 courses or 2.8 for 4 out of the 7.

Note 6: A curriculum that provides students with an understanding of and sensitivity to human diversity is encouraged (required by WSU). The elective credits provide one opportunity for such a curriculum. See the humanities choices in the WSU “Diversity Course Identification Guidelines” for possible selection or choose course that include minority, non-western, ethnic or other “area” studies.

ASSOCIATE IN SCIENCE - TRANSFER DEGREE TRACK 1 AND TRACK 2

Summary of Requirements

Complete the departmental requirements of the institution to which the student intends to transfer. All courses taken at Grays Harbor College should be transfer courses.

- Complete an approved ninety credit program containing pre-professional and general education coursework
- Complete three PE requirement credits
- Maintain an overall GPA of at least 2.0
- Fulfill all obligations to the college, financial or otherwise

and

- Fulfill all general requirements for all degrees as described on [page 30](#).

Completion of all required courses in these programs satisfies Intercollege Relations Commission (ICRC) Associate in Science-Transfer degree requirements. A student transferring with a transfer Associate in Science degree enters all Washington public and some private four-year institution with junior-level standing. Completing these degrees does not guarantee students admission to the major. Students interested in pursuing a 4-year degree are strongly encouraged to complete the requirements for Associate in Science-Transfer Degree 1 (AS-T 1) - biological science, environmental/resource sciences, chemistry, geology, and earth science; or Associate in Science-Transfer Degree 2 (AS-T 2) - engineering, computer science, physics, and atmospheric sciences.

Students who do not complete all Track 1 or Track 2 course requirements may still be eligible to receive an Associate of Science (AS) degree from Grays Harbor College. Consult your advisor for more information.

Associate in Science-Transfer

Track 1

Associate in Science-Transfer Track 1 is designed to prepare students for upper division study in the areas of biological sciences, environmental/resources sciences, chemistry, geology, and earth science. Some baccalaureate institutions may require Physics with Calculus.

Where courses are sequenced (i.e. 114, 115, 116) students are strongly advised to complete the sequence from one institution.

The following four areas (writing, quantitative skills, physical education, humanities, and social science) are required for all Associate in Science-Transfer Track 1 degrees. In addition, students will need to complete the pre-major programs and remaining credits for each discipline area.

I. Writing Skills (5 credits)

ENGL& 101 5

II. Quantitative Skills (10 credits)

(at or above Introductory Calculus level)

MATH 151 5

MATH& 152 5

III. Physical Education (3 credits)

In order to meet the requirements for graduation, all students must complete three (3) credits of physical education courses numbered 100 or above or take HPF 101 or PE 177.

IV. Humanities and Social Science (15 credits)

Humanities (Areas A through G) 5

Social Science (Areas A through D) 5

An additional 5 credits in either Humanities or Social Science 5

Biology, Botany, Zoology

Biologists are employed in a wide variety of fields. These include research, teaching, industry, governmental agencies, and consulting firms in environmental work. Some positions are open to holders of the bachelor degree, but most of the opportunities exist at the master and doctoral levels of preparation. Most biologists need a broad background in the natural sciences, mathematics, and communication skills.

Students should choose from among these required courses, depending on the main field of interest. The academic advisor will assist the student to prepare for upper-division work at a four-year college or university.

I. Pre-Major Programs (52 credits)

BIOL& 221, 222, 223 15

CHEM& 161, 162, 163 17

CHEM& 261, 262, 263* or 15

PHYS& 114, 115, 116

MATH& 163 or MATH& 146 5

*future Biology majors should take both organic chemistry and physics

II. Remaining Credits (8 credits)

Sufficient additional college-level credits so that total credits earned are at least 90 credits. These remaining credits may include prerequisites for major courses (e.g., pre-calculus), additional major coursework, or specific general education or other university requirement, as approved by the advisor.

Chemistry

Chemistry is the study of matter and the manner in which it changes and reacts as well as the laws governing those reactions. Chemists develop models and theories and perform research in chemical, medical and several related sciences. Qualified graduates find employment in teaching or in virtually every industry.

I. Pre-Major Programs (52 credits)

CHEM& 161, 162, 163	17
CHEM& 261, 262, 263	15
MATH& 163 or MATH& 146	5
PHYS& 221, 222, 223	15

II. Remaining Credits (8 credits)

Sufficient additional college-level credits so that total credits earned are at least 90 credits. These remaining credits may include prerequisites for major courses (e.g., pre-calculus), additional major coursework, or specific general education or other university requirement, as approved by the advisor.

Geology

Geology is the study of the earth, its materials, and the processes that shape those materials into the familiar forms of mountains, oceans, plains and valleys. An understanding of geology is fundamental to the development of mineral and energy resources in a resource poor world; to the appropriate handling of environmental concerns, like hazardous waste disposal and water pollution in an increasingly polluted world; and to the understanding of the nature of violent events like floods, volcanic eruptions, and earthquakes. Consequently, geologists are employed by a variety of state and federal agencies, oil and mineral exploration firms, construction and engineering firms, and, of course, colleges and universities.

I. Pre-Major Programs (42 credits)

CHEM& 161, 162, 163	17
GEOL& 101	5
MATH& 163 or MATH& 146	5
PHYS& 114, 115, 116, or 221, 222, 223	15

II. Remaining Credits (18 credits)

Sufficient additional college-level credits so that total credits earned are at least 90 credits. These remaining credits may include prerequisites for major courses (e.g., pre-calculus), additional major coursework, or specific general education or other university requirement, as approved by the advisor.

Natural Resources

Natural resource science includes a systematized, yet holistic study of both the natural and physical worlds. Well developed communication, leadership, and teamwork skills will be of equal value to sound scientific knowledge and skills, since much of the work natural resource scientists do (watershed analysis, water quality monitoring, and development of habitat management plans) is done collaboratively with individuals from non-natural resource backgrounds (i.e. engineers, sociologists, economists, and legislators). A bachelor degree in natural resources requires four to five years of training. The first two to three years are usually spent meeting science, mathematics, and general education requirements. The last two years are spent majoring in core specific, natural resources areas (i.e. environmental studies, fish and wildlife management, conservation ecology and range management).

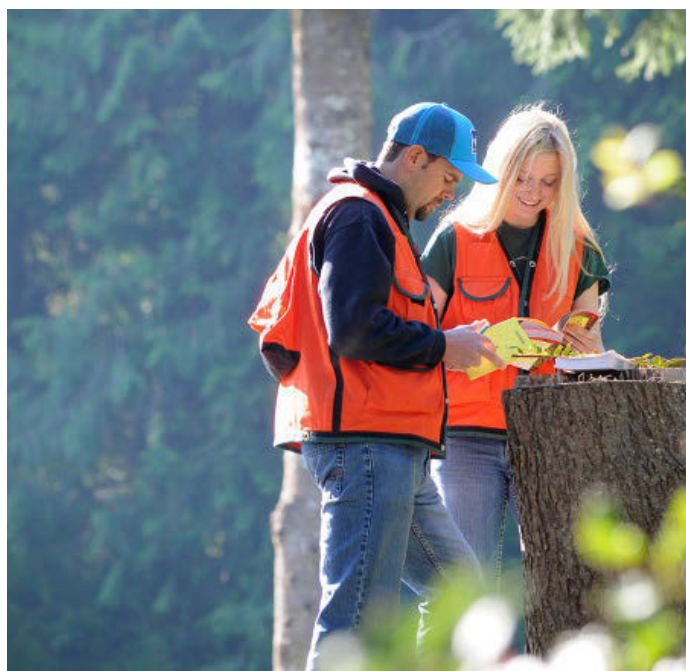
The following list of courses is typical of the first two years of a natural resources program. Due to a wide choice and variation in bachelor degree programs, consultation with an academic advisor or counselor is necessary.

I. Pre-Major Programs (52 credits)

BIOL& 221, 222, 223	15
CHEM& 161, 162, 163	17
MATH& 163 or MATH& 146	5
PHYS& 114, 115, 116, or 221, 222, 223	15

II. Remaining Credits (8 credits)

Sufficient additional college-level credits so that total credits earned are at least 90 credits. These remaining credits may include prerequisites for major courses (e.g., pre-calculus), additional major coursework, or specific general education or other university requirement, as approved by the advisor.



Associate in Science-Transfer**Track 2**

Associate in Science-Transfer Track 2 is designed to prepare students for upper division study in the areas of Engineering, Computer Science, Physics, and Atmospheric Sciences.

Some baccalaureate institutions may require Physics with Calculus. Where courses are sequenced (i.e. 114, 115, 116) students are strongly advised to complete the sequence from one institution.

The following four areas (writing, quantitative skills, physical education, humanities and social science) are required for all Associate in Science-Transfer Track 2 degrees. In addition, students will need to complete the pre-major programs and remaining credits for each discipline area.

I. Writing Skills (5 credits)

ENGL& 101 5

II. Quantitative Skills (10 credits)

(required at or above Introductory Calculus level)

MATH 151 5

MATH& 152 5

III. Physical Education (3 credits)

In order to meet the requirements for graduation, all students must complete three (3) credits of physical education courses numbered 100 or above or take HPF 101 or PE 177.

IV. Humanities and Social Science (15 credits)

Humanities (Areas A through G) 5

Social Science (Areas A through D) 5

An additional 5 credits in either Humanities or Social Science 5

Physics

Physics inquires into the nature of the physical world and the laws governing our universe and is thus basic to the physical sciences, engineering, technology and life sciences. The career opportunities are broad, including scientific research, teaching, business, law, health and related fields.

I. Pre-Major Programs (26 credits)

MATH& 163 or MATH& 146 5

CHEM& 161 6

PHYS& 221, 222, 223 15

II. Remaining Credits (35 credits)

CHEM& 162, 163 11

MATH& 220 5

MATH& 224 3

MATH 241 5

Remaining credits should be planned with the help of an advisor based on the requirements of the specific discipline at the baccalaureate institution the student plans to attend

Pre-Engineering

Engineers apply theories and principles of science and mathematics to practical technical problems. They design machinery, products, systems and processes for efficient and economical performance. Engineers work for manufacturing industries, public utilities, engineering and architectural services, construction firms, and business and management consulting services. A degree in engineering generally requires four years of college training. The first two years are usually spent meeting science, mathematics and general education requirements. The last two years are spent majoring in a specific area such as civil, mechanical, electrical, or aeronautical engineering.

The following courses are recommended to meet the lower-division requirements for a major in pre-engineering:

I. Pre-Major Programs (36 credits)

MATH& 163, MATH 241 10

CHEM& 161, CHEM& 162 11

PHYS& 221, 222, 223 15

II. Remaining Credits (24 credits)

Suggested courses:

ENGR& 104 5

ENGR& 214 5

ENGR& 215 5

ENGR 240 5

MATH 220 5

MATH 224 3

Remaining credits should be planned with the help of an advisor based on the requirements of the specific discipline at the baccalaureate institution the student plans to attend.



**ASSOCIATE IN SCIENCE
Summary of Requirements**

Complete the departmental requirements of the institution to which the student intends to transfer. All courses taken at Grays Harbor College should be transfer courses.

- Complete an approved ninety credit program containing pre-professional and general education coursework
- Complete three PE requirement credits
- Maintain an overall GPA of at least 2.0
- Fulfill all obligations to the college, financial or otherwise

and

- Fulfill all general requirements for all degrees as described on [page 30](#).

Academic Transfer Options

Pre-Chiropractic

Chiropractic is a method of natural health care. The major therapeutic tool used by chiropractors is the adjustment of the body's skeletal system and soft tissues. Chiropractors must be licensed to practice in all states. A degree program requires five or six years of training. The first two years are pre-chiropractic studies, followed by three to four years at a professional chiropractic college. There are minimum admission standards and completion of the two-year pre-chiropractic program does not guarantee acceptance to a chiropractic college.

	<u>Credits</u>
BIOL& 160, 241, 242 or BIOL& 221, 222, 223	15
CHEM& 161, 162, 163	17
CHEM& 261, 262*	12-15
ENGL& 101, 102	10
MATH& 142	5
PHYS& 114, 115, 116	15
PSYC& 100	5
Social Science and Humanities	10
PE requirement credits	3

* *CHEM& 263 (3 credits) recommended but not required.*

Pre-Dental Hygiene

Dental hygiene is a health profession primarily involved with preventive care. This will involve patient education as well as cleaning, radiographs and certain types of treatment. Dental hygienists must be graduates of an accredited professional school and be licensed by the state in which they wish to practice. Admission to a professional program will require course work in chemistry, biology, communication skills and certain electives. Admission to professional programs are quite competitive. Students should make contact with their intended professional program as early as possible during their time at GHC. An academic advisor will help each student select GHC courses that will meet prerequisites of the professional program of his or her choice.

	<u>Credits</u>
BIOL& 160, 241, 242, 260	20
CHEM& 121, 131	10
ENGL& 101, 102	10
MATH& 107	5
PSYC& 100	5
SOC& 101	5
SPCH 101	5
Electives	30
PE requirement credits	3

Pre-Dentistry

Dentists examine and treat patients for oral diseases and abnormalities of the teeth. Dentists must be licensed to practice. Applicants for a license must be graduates of an accredited dental school and have passed the written examination, given by the National Board of Dental Examiners, and a practical examination. Most D.D.S. degrees require eight years of training. Dental colleges require from two to four years of pre-dental education, but most students accepted into dental school have a baccalaureate degree in science. The first two years of training in the dental school emphasize basic sciences, clinical science and pre-clinical techniques. The last two years are spent in a dental clinic treating patients. Admission to a school of dentistry is very competitive and completion of a bachelor of science degree does not guarantee acceptance into the professional program. The following courses are Pre-Dentistry recommended as lower-division requirements for a pre-dentistry major:

	<u>Credits</u>
BIOL& 221, 222, 223, 260	20
CHEM& 161, 162, 163, 261, 262, 263	32
ENGL& 101, 102	10
MATH& 142	5
PHYS& 114, 115, 116	15
Humanities	10
Social Science	10
PE requirement credits	3

Pre-Medical Technology

Medical technologists aid physicians by preparing tissues for examination, performing analysis on all body fluids and making various technical tests. They work in clinics, hospitals, research laboratories and physicians’ offices. Medical technologists must be certified to practice. The basic requirements for certification generally include three years of college training and twelve months of specialized training in an approved hospital.

The following courses are recommended to meet the lower-division requirements for a major in medical technology:

	<u>Credits</u>
BIOL& 221, 222, 223, 260	20
CHEM& 161, 162, 163, 261, 262, 263	32
ENGL& 101, 102	10
MATH& 142, 146, 151	15
PHYS& 114, 115, 116	15
Humanities	10
Social Science	10
PE requirement credits	3

Pre-Medicine

Physicians perform medical examinations, diagnose disease and treat people suffering from injury or disease. Physicians must be licensed to practice. Applicants for a license must have a doctor of medicine (M.D.) degree from an accredited college of medicine, have passed the National Board of Medical Examiners test and have completed two years of residency. Most M.D. degrees require eight years of professional training and two years of residency. The first four years are spent acquiring a bachelor degree followed by four years of professional training and two years of residency. Admission into a college of medicine is very competitive and completion of a bachelor degree does not guarantee acceptance into the professional program.

The following courses are recommended as lower-division requirements for a pre-medicine major:

	<u>Credits</u>
BIOL& 221, 222, 223	15
CHEM& 161, 162, 163, 261, 262, 263	32
ENGL& 101, 102	10
MATH& 142, 151, 152, 163	5-20
PHYS& 114, 115, 116 or 221, 222, 223	15
Humanities	10
Social Science	10
PE requirement credits	3

Pre-Naturopathic Medicine

Naturopathic physicians treat illness and strive for disease prevention through a variety of methods including nutritional regimens and treatment with substances of natural origin. Some include in their practice midwifery or acupuncture, but these activities are not limited to those with the N.D. degree. Naturopathic physicians are licensed as primary-care physicians in the state of Washington. Prerequisites for professional programs vary; therefore, course schedules will be developed for each student by their advisors. Admission to a school of naturopathic medicine is competitive and generally requires a bachelor degree from an accredited college or university, but sometimes exceptions are made for those with 45 upper-division (junior, senior) quarter credits and significant life experience. Prospective naturopathic physicians need a foundation in the sciences, but should also have an education that includes the humanities and social sciences as well. The Associate in Science degree in Pre-Naturopathic Medicine fulfills the science, math, and psychology prerequisites for admission to a naturopathic medical school. Further studies beyond the A.S. degree are required.

The following courses are recommended for a pre-naturopathic major:

	<u>Credits</u>
BIOL& 221, 222, 223	15
CHEM& 161, 162, 163, 261, 262*	29
ENGL& 101, 102	10
MATH& 142	5
PHYS& 114, 115, 116	15
PSYC& 100	5
SPCH 101	5
Electives	6
(include at least 5 credits of Humanities)	
PE requirement credits	3

** CHEM& 263 (3 credits) recommended but not required.*



Pre-Optometry

Optometrists examine people’s eyes for vision problems, disease, and various abnormal conditions and prescribe lenses and treatment. Optometrists must be licensed to practice. Applicants for a license must have a Doctor of Optometry degree from an accredited optometric school and pass a state-board examination. A degree program typically requires six years of training. The first two years are pre-optometry studies, followed by four years at a professional optometry school.

Prerequisites for professional programs vary; therefore, course schedules will be developed for each student by their advisors. Admission to a professional school is very competitive and completion of the two-year, pre-optometry program does not guarantee acceptance into the professional program.

The following courses are recommended for a pre-optometry major:

	<u>Credits</u>
BIOL& 160 or 260 and BIOL&241, 242	15
CHEM& 161, 162, 163, 261,262, 263	32
ENGL& 101, 102	10
MATH& 142, 146, 151	15
PHYS& 114, 115, 116	15
PSYC& 100	5
Humanities	10
Social Science	5
PE requirement credits	3

Pre-Pharmacy

Pharmacists work in hospitals, clinics, and prescription pharmacies, are self-employed, or work as sales and medical service representatives. Pharmacists must have a license to practice. An applicant for a license must be a graduate from an accredited school of pharmacy, pass a state board examination and have a specified amount of practical experience or internship under the supervision of a registered pharmacist. A degree in pharmacy typically requires six years of training. The last four years must be spent in an accredited school of pharmacy. Prerequisites for professional programs vary; therefore, course schedules will be developed for each student by their advisors.

The following courses are recommended for pre-pharmacy majors:

	<u>Credits</u>
BIOL& 221, 222, 223, 260	20
CHEM& 161, 162, 163, 261,262, 263	32
ENGL& 101, 102	10
MATH& 141, 146, 148	15
SPCH 101	5
Social Science	10
PE requirement credits	3

NOTE: WSU requires PHIL& 101, PSYC& 100 and ECON&201 as Humanities and Social Science electives.

Pre-Physical Therapy

Physical therapists help people with muscle, nerve, joint and bone diseases or injuries to overcome their disabilities. They work in hospitals, nursing homes, rehabilitation centers, physicians’ offices and clinics. They must be licensed to practice. Applicants for a license must have a degree or certificate from an accredited physical therapy program and pass a state board examination. Prerequisites for professional programs vary; therefore, course schedules will be developed for each student by their advisor. Admission into the program is very competitive and students must attain excellent grades in science to be accepted into the program.

The following courses are recommended for pre-physical therapy majors:

	<u>Credits</u>
BIOL& 160 241, 242	15
CHEM& 161, 162, 163	17
ENGL& 101, 102	10
MATH& 141, 142, 146	15
PHYS& 114, 115, 116	15
PSYC& 100, 220	10
Electives (include at least 5 credits of Humanities)	8
PE requirement credits	3

Pre-Veterinary Medicine

Veterinarians diagnose and treat disease and injuries among animals. Veterinarians must be licensed to practice. Applicants for a license must have a doctor of veterinary medicine degree from an accredited college of veterinary medicine and pass a state board examination. Most degrees require seven years of training. The first three years are pre-veterinary studies, followed by four years of professional training. Admission to a college of veterinary medicine is extremely competitive and completion of the three-year, pre-veterinary medicine program does not guarantee acceptance into the professional program.

The following courses are recommended for the pre-veterinary medicine major:

	<u>Credits</u>
BIOL 221, 222, 223	15
CHEM& 161, 162, 163, 261, 262, 263	32
ENGL& 101, 102	10
MATH& 142, 146	10
PHYS& 114, 115, 116	15
Humanities	10
Social Science	10
PE requirement credits	3

**ASSOCIATE IN APPLIED SCIENCE-
TRANSFER DEGREE
ASSOCIATE IN APPLIED SCIENCE DEGREE
ASSOCIATE IN TECHNOLOGY DEGREE
CERTIFICATE OF COMPLETION
CERTIFICATE OF ACHIEVEMENT**

Summary of Requirements

- Fulfill the specific course requirements of the published professional-technical program curricula
- Complete required general education course requirements
- Complete the required credits, depending on program selected
- Complete three PE requirement credits for Associate in Applied Science and Technology degrees
- Maintain a GPA of at least 2.0 in core courses and overall
- Fulfill all obligations to the college, financial or otherwise
- Meet the graduation requirements in effect during the year in which the student started a program leading to a certificate of completion (these requirements must be met within a seven- year period), or meet the requirements in effect at the time of completion

and

- Grays Harbor College requires new degree and certificate seeking students complete a 2-credit First Year Experience (FYE) course during their first quarter of enrollment.
- Fulfill general requirements for all degrees beginning on [page 30](#).

Professional Technical Programs

In general, Grays Harbor College’s Professional Technical programs include the Associate in Applied Science-Transfer (AAS-T), Associate in Applied Science (AAS), and Associate in Technology (AT) degrees as well as Certificate of Completion (CC), and Certificate of Achievement (CA) . AAS and AT degrees are not typically accepted as appropriate preparation for most BA or BS degrees. The AAS, AT, CC, and CA are designed for students whose primary goal is to enter the job market after completion. The professional technical program choices are listed below with a page number reference:

Outline of Programs

The following pages outline the degree and certificate programs, the specific courses required in each program, and the number of credits required. Prerequisite requirements must be fulfilled prior to enrollment in most required program courses. Prerequisite requirements are listed together with titles and descriptions of required program courses beginning on [page 72](#) of this catalog.

<u>Program</u>	<u>Page #</u>
Accounting (AAS-T, AAS)	51
Accounting/Bookkeeping (CC)	
Bookkeeping (CA)	
Automotive Technology (AT, CC)	52
Automotive Technology Levels 1-5 (CA)	
Business Management (AAS-T, AAS, CC)	53
Small Business/Entrepreneurship (CC)	
Basic Small Business Skills (CA)	
Business Technology (AAS, CC)	55
Formatting/Publishing Documents (CA)	
Microcomputer Applications (CA)	
Microsoft Office Applications (CA)	
Office Professional Certification (CA)	
Software Applications (CA)	
Carpentry Technology (AT, CC, CA)	56
Commercial Truck Driving (CA)	57
Criminal Justice	57
Criminal Justice (AAS-T, AAS, CC)	
Diesel Technology (AT)	59
Diesel Technology Fundamentals (CC)	
Advanced Diesel Technology (CC)	
Diesel Technology Levels 1-5 (CA)	
Early Childhood Education (CC)	60
Early Childhood Educat-General (CA)	
Infant-Toddler Care (CA)	
School-Age Care (CA)	
Family Child Care (CA)	
Administration (CA)	
Energy Technology (AAS-T, AAS)	61
Power Technology (CC)	
Health Sciences	10, 63
Registered Nursing (AAS-T)	
Practical Nursing (CC)	
Nursing Assistant Training (CA)	
Human Services (AAS-T, AAS, CC)	65
Chemical Dependency (CC)	
Medical Records Office Assistant (CC)	68
Medical Coding (CA)	
Medical Transcription (CA)	
Natural Resources - Forestry Technician (AAS-T, AAS, CC)	69
Occupational Entrepreneurship (AAS)	70
Welding Technology (AT, CC)	71
Related Welding (CC)	
Welding Basics Level 1 and 2 (CA)	
Pipe Welding Level 3 (CA)	
Industrial Welding Level 4 (CA)	

ACCOUNTING

Accounting

Associate in Applied Science-Transfer (AAS-T) Degree

Communication Skills (5 credits)

ENGL& 101 English Composition I

Quantitative Skills (5 credits)

Any generally transferable math course with intermediate algebra as a required prerequisite, except MATH& 131 and MATH& 132.

Science, Social Science, Humanities (10 credits)

PSYC& 100 General Psychology 5

or

SOC& 101 Introduction to Sociology 5

SPCH 101 Fundamentals of Speech 5

Core Courses (31 credits)

ACCT 113 Introduction to Accounting I 5

and

ACCT 114 Introduction to Accounting II 5

or

ACCT& 201 Principles of Accounting I 5

ACCT 202 Principles of Accounting II 5

ACCT & 203 Principles of Accounting III 5

ACCT 175 Business and Payroll Tax Accounting 3

ACCT 176 Computerized Accounting Functions 3

ACCT 220 Federal Income Tax I 5

BA 150 Fundamentals of Finance 5

General Courses (26 credits)

BTECH 115 Electronic Math Applications 3

BTECH 131 Access 5

BTECH 140 Word Processing Applications 5

BTECH 150 Excel 5

CIS 251 Management Information Systems 5

PE Any equivalent PE courses 3

Select 4 of the following (20 credits)

BA 174 Small Business Management 5

BA 240 Principles of Marketing 5

BA 258 Principles of Management 5

BUS& 101 Introduction to Business 5

BUS& 201 Business Law 5

ECON& 202 Macro Economics 5

Minimum Credits Required 97

Accounting

Associate in Applied Science Degree

Core Courses (31 credits)

ACCT 113 Introduction to Accounting I 5

and

ACCT 114 Introduction to Accounting II 5

or

ACCT& 201 Principles of Accounting I 5

ACCT& 202 Principles of Accounting II 5

ACCT& 203 Principles of Accounting III 5

ACCT 175 Business and Payroll Tax Accounting 3

ACCT 176 Computerized Accounting Functions 3

ACCT 220 Federal Income Tax I 5

BA 150 Fundamentals of Finance 5

Support Courses

Math/Computing Skills (29 credits)

BA 104 Math for Business 3

BTECH 115 Electronic Math Applications 3

BTECH 131 Access 5

BTECH 140 Word Processing Applications 5

BTECH 150 Excel 5

CIS 102 Introduction to Microsoft Office 3

CIS 251 Management of Information Systems 5

Business Skills (20 credits)

BA 174 Small Business Management 5

BA 240 Principles of Marketing 5

BA 258 Principles of Management 5

BUS& 101 Introduction to Business 5

BUS& 201 Business Law 5

ECON& 202 Macro Economics 5

General Courses (14 credits)

ENGL& 101 English Composition I 5

or

ENGL 150 Vocational/Technical/Business Writing 5

PSYC& 100 General Psychology 5

or

PSYCH 106 Applied Psychology 3

SPCH 101 Fundamentals of Speech 5

or

SPCH 201 Fundamentals of Group Discussion 3

PE Any equivalent PE courses 3

Minimum Credits Required 94



Accounting/Bookkeeping

Certificate of Completion

Core Courses (21 credits)

ACCT 113	Introduction to Accounting I	5
and		
ACCT 114	Introduction to Accounting II	5
or		
ACCT& 201	Principles of Accounting I	5
and		
ACCT& 202	Principles of Accounting II	5
ACCT 175	Business and Payroll Tax Accounting	3
ACCT 176	Computerized Accounting Functions	3
ACCT 220	Federal Income Tax I	5

Support Courses (24 credits)

BA 174	Small Business Management	5
or		
BUS& 101	Introduction to Business	5
BA 104	Mathematics for Business	3
BTECH 140	Word Processing Applications	5
BTECH 150	Excel	5
BTECH 115	Electronic Math Applications	3
CIS 102	Introduction to Microsoft Office	3

General Courses (8 credits)

ENGL& 101	English Composition I	5
or		
ENGL 150	Vocational/Technical/Business Writing	5
PSYC& 100	General Psychology	5
or		
PSYCH 106	Applied Psychology	3
or		
SOC& 101	Introduction to Sociology	5

Minimum Credits Required 53

Bookkeeping

Certificate of Achievement

Prerequisite Requirements

Basic working knowledge of computers or CIS 102.

Core Course (16 credits)

ACCT 113	Introduction to Accounting I	5
ACCT 175	Business and Payroll Tax Accounting	3
ACCT 176	Computerized Accounting Functions	3
BTECH 150	Excel	5

AUTOMOTIVE TECHNOLOGY

Automotive Technology

Associate in Technology Degree

Prerequisite Requirements

Placement in ENGL 060, MATH 060, READ 080 and instructor permission.

Core Courses (96 credits)

AUTO 111	Brakes/Suspension/Steering	16
AUTO 112	Electrical/Electronic/ABS	16
AUTO 113	Engine/Electrical/Tune-up/Ignition	16
AUTO 211	Power Trains/Transmissions (Manual/Automatic)	16
AUTO 212	Fuel Systems/Electronic/Computer Control	16
AUTO 213	Advanced Engine Performance/Air Conditioning/Heating/Shop Management	16

Support Courses (6 required)

WELD 101	Related Welding I	6
----------	-------------------	---

General Courses (16 credits)

ENGL& 101	English Composition I	5
or		
ENGL 150	Vocational/Technical/Business Writing	5
MATH 100	Vocational/Technical Math (or above)	5
PSYC& 100	General Psychology	5
or		
PSYCH 106	Applied Psychology	3
or		
SOC& 101	Introduction to Sociology	5
PE	Any equivalent PE courses	3

Minimum Credits Required 118

Automotive Technology

Certificate of Completion

Prerequisite Requirements

Placement in ENGL 060, MATH 060, READ 080 and instructor permission. Students select any three (3) of the six (6) core courses listed.

Core Courses (48 credits)

AUTO 111	Brakes/Suspension/Steering	16
AUTO 112	Electrical/Electronic/ABS	16
AUTO 113	Engine/Electrical/Tune-up/Ignition	16
AUTO 211	Power Trains/Transmission (Manual/Automatic)	16
AUTO 212	Fuel Systems/Electronic/Computer Control	16
AUTO 213	Advanced Engine Performance/Air Conditioning/Heating/Shop Management	16

General Courses (13 credits)

ENGL& 101	English Composition I	5
or		
ENGL 150	Vocational/Technical/Business Writing	5
MATH 100	Vocational/Technical Math (or above)	5
PSYC& 100	General Psychology	5
or		
PSYCH 106	Applied Psychology	3
or		
SOC& 101	Introduction to Sociology	5

Minimum Credits Required 61

Automotive Technology Level 1

Certificate of Achievement

Prerequisite Requirements

Placement in ENGL 060, MATH 060, READ 080 and instructor permission.

Core Courses (16 credits)

AUTO 111 Brake/Suspension/Steering

Automotive Technology Level 2

Certificate of Achievement

Prerequisite Requirements

Placement in ENGL 060, MATH 060, READ 080 and instructor permission.

Core Courses (16 credits)

AUTO 112 Electrical/Electronic/ABS

Automotive Technology Level 3

Certificate of Achievement

Prerequisite Requirements

Placement in ENGL 060, MATH 060, READ 080 and instructor permission.

Core Courses (16 credits)

AUTO 113 Engine/Electronic/Tune-up/Ignition

Automotive Technology Level 4

Certificate of Achievement

Prerequisite Requirements

Placement in ENGL 060, MATH 060, READ 080 and instructor permission.

Core Courses (16 credits)

AUTO 211 Power Trains/Transmissions (Manual and Automatic

Automotive Technology Level 5

Certificate of Achievement

Prerequisite Requirements

Placement in ENGL 060, MATH 060, READ 080 and instructor permission.

Core Courses (16 credits)

AUTO 212 Fuel Systems/Electronic/Computer Control

Automotive Technology Level 6

Certificate of Achievement

Prerequisite Requirements

Placement in ENGL 060, MATH 060, READ 080 and instructor permission.

Core Courses (16 credits)

AUTO 213 Advanced Engine Performance/Air Conditioning/Heating/Shop Management

BUSINESS MANAGEMENT

Business Management

Associate in Applied Science-Transfer (AAS-T) Degree

This degree is built upon the technical courses required for job preparation, but also includes a college-level general education component. This is consistent with the dual purpose of transfer and preparation for direct employment.

Communication Skills (5 credits)

ENGL& 101 English Composition I

Quantitative Skills (5 credits)

Any generally transferable math course with intermediate algebra as a required prerequisite, except MATH& 131 and MATH& 132.

Science, Social Science, Humanities (10 credits)

PSYC& 100	General Psychology	5
or		
SOC& 101	Introduction to Sociology	5
SPCH 101	Fundamentals of Speech	5

Core Courses (25 credits)

BUS& 101	Introduction to Business	5
BA 150	Fundamentals of Finance	5
BA 174	Small Business Management	5
BA 240	Principles of Marketing	5
BA 258	Principles of Management	5

Select 2 of the following (10 credits)

BUS& 201	Business Law	5
ECON& 201	Micro Economics	5
ECON& 202	Macro Economics	5

General Courses (31 credits)

ACCT 113	Introduction to Accounting I	5
and		
ACCT 114	Introduction to Accounting II	5
or		
ACCT& 201	Principles of Accounting I	5
and		
ACCT& 202	Principles of Accounting II	5
BTECH 150	Excel	5
CIS 102	Introduction to Microsoft Office	3
CIS 125	Internet Fundamentals	5
PE	Any equivalent PE courses	3

Elective Courses (12 credits)

Elective courses must be approved by the student's academic advisor at Grays Harbor College.

Minimum Credits Required 93

Business Management

Associate in Applied Science Degree

Entry-level employment for Business Management graduates can happen with a wide variety of potential employers. Business Management students can customize their degree by taking Elective Courses that relate to their interests and the potential job market.

Core Courses (28 credits)

BA 104	Mathematics for Business	3
BA 150	Fundamentals of Finance	5
BA 174	Small Business Management	5
BA 240	Principles of Marketing	5
BA 258	Principles of Management	5
BUS& 101	Introduction to Business	5

Select 2 of the following (10 credits)

BUS& 201	Business Law	5
ECON& 201	Micro Economics	5
ECON& 202	Macro Economics	5

Support Courses (23 credits)

ACCT 113	Introduction to Accounting I	5
and		
ACCT 114	Introduction to Accounting II	5
or		
ACCT& 201	Principles of Accounting I	5
and		
ACCT& 202	Principles of Accounting II	5
BTECH 150	Excel	5
CIS 102	Introduction to Microsoft Office	3
CIS 125	Internet Fundamentals	5

General Courses (14 credits)

ENGL& 101	English Composition I	5
or		
ENGL 150	Vocational/Technical Business Writing	5
PSYC& 100	General Psychology	5
or		
PSYCH 106	Applied Psychology	3
or		
SOC& 101	Introduction to Sociology	5
SPCH 101	Fundamentals of Speech	5
or		
SPCH 201	Fundamentals of Group Discussion	3
PE	Any equivalent PE courses	3

Elective Courses (18 credits)

Elective courses must be approved by the student's academic advisor at Grays Harbor College.

Minimum Credits Required 93

Business Management

Certificate of Completion

Core Courses (15 credits)

BA 174	Small Business Management	5
BA 240	Principles of Marketing	5
BA 258	Principles of Management	5
BUS& 101	Introduction to Business	5

Support Courses (21 credits)

ACCT 113	Introduction to Accounting I	5
and		
ACCT 114	Introduction to Accounting II	5
or		
ACCT& 201	Principles of Accounting I	5
and		
ACCT& 202	Principles of Accounting II	5
BA 104	Mathematics for Business	3
BA 150	Fundamentals of Finance	5
CIS 102	Introduction to Microsoft Office	3

General Courses (11 credits)

ENGL& 101	English Composition I	5
or		
ENGL 150	Vocational/Technical/Business Writing	5
PSYC& 100	General Psychology	5
or		
PSYCH 106	Applied Psychology	3
or		
SOC& 101	Introduction to Sociology	5
SPCH 101	Fundamentals of Speech	5
or		
SPCH 201	Fundamentals of Group Discussion	3

Minimum Credits Required 47

Small Business/Entrepreneurship

Certificate of Completion

Core Courses (20 credits)

BA 174	Small Business Management	5
BUS& 201	Business Law	5
BA 240	Principles of Marketing	5
BA 258	Principles of Management	5

Support Courses (19 credits)

ACCT 113	Introduction to Accounting I	5
ACCT 175	Business and Payroll Tax Accounting	3
ACCT 176	Computerized Accounting Functions	3
CIS 102	Introduction to Microsoft Office	3
CIS 125	Internet Fundamentals	5

General Courses (9 credits)

BA 140	Business English	3
PSYC& 100	General Psychology	5
or		
PSYCH 106	Applied Psychology	3
or		
SOC& 101	Introduction to Sociology	5
SPCH 101	Fundamentals of Speech	5
or		
SPCH 201	Fundamentals of Group Discussion	3

Minimum Credits Required 48

Basic Small Business Skills

Certificate of Achievement

Core Courses (15 credits)

ACCT 113	Introduction to Accounting I	5
or		
ACCT& 201	Principles of Accounting I	5
BA 174	Small Business Management	5
BA 240	Principles of Marketing	5

BUSINESS TECHNOLOGY

Business Technology

Associate in Applied Science Degree

Core Courses (59 credits)

BTECH 131	Access	5
BTECH 140	Word Processing Applications	5
BTECH 150	Excel	5
BTECH 113	Document Formatting	5
BTECH 115	Electronic Math Applications	3
BTECH 124	Keyboard Skillbuilding I	2
BTECH 125	Keyboard Skillbuilding II	2
BTECH 205	Records Information Management	5
BTECH 220	Office Procedures and Ethics	5
BTECH 252	Desktop Publishing	5
BTECH 253	Integrated Software Applications	5
CIS 100	Introduction to Personal Computers	2
CIS 102	Introduction to Microsoft Office	3
CIS 125	Internet Fundamentals	5

Support Courses (13 credits)

ACCT 113	Introduction to Accounting I	5
BA 140	Business English	3
BUS& 101	Introduction to Business	5

General Courses (14 credits)

ENGL& 101	English Composition I	5
or		
ENGL 150	Vocational/Technical/Business Writing	5
PSYCH 106	Applied Psychology	3
or		
SOC& 101	Introduction to Sociology	5
SPCH 101	Fundamentals of Speech	5
or		
SPCH 201	Fundamentals Group Discussion	3
PE	Any equivalent PE courses	3

Elective Courses (9 credits)

Elective courses must be approved by the student's academic advisor at Grays Harbor College.

Minimum Credits Required 93

Business Technology

Certificate of Completion

Core Courses (35 credits)

BTECH 140	Word Processing Applications	5
BTECH 150	Excel	5
BTECH 113	Document Formatting	5
BTECH 115	Electronic Math Applications	3
BTECH 124	Keyboard Skillbuilding I	2
BTECH 205	Records Information Management	5
BTECH 220	Office Procedures and Ethics	5
CIS 100	Introduction to Personal Computers	2
CIS 102	Introduction to Microsoft Office	3

General Courses (11 credits)

BA 140	Business English	3
ENGL& 101	English Composition I	5
or		
ENGL 150	Vocational/Technical/Business Writing	5
PSYCH 106	Applied Psychology	3
or		
SOC& 101	Introduction to Sociology	5

Minimum Credits Required 46

Formatting and Publishing Business Documents

Certificate of Achievement

Prerequisite Requirements

Basic working knowledge of computers or CIS 100 and CIS 101; CIS 102.

Core Courses (15 credits)

BTECH 140	Word Processing Applications	5
BTECH 113	Document Formatting	5
BTECH 252	Desktop Publishing	5

Microcomputer Applications

Certificate of Achievement

Prerequisite Requirements

Basic working knowledge of computers and accounting or CIS 102 and ACCT 113.

Core Courses (23 credits)

ACCT 176	Computerized Accounting Functions	3
BTECH 131	Access	5
BTECH 140	Word Processing Applications	5
BTECH 150	Excel	5
CIS 125	Internet Fundamentals	5

Microsoft Office Applications

Certificate of Achievement

Prerequisite Requirements

Basic working knowledge of computers or CIS 100 and CIS 101; CIS 102.

Core Courses (15 credits)

BTECH 131	Access	5
BTECH 140	Word Processing Applications	5
BTECH 150	Excel	5

Office Professional Certification

Certificate of Achievement

Prerequisite Requirements

Basic working knowledge of computers or CIS 100 and CIS 101; CIS 102.

Core Courses (21 credits)

BA 140	Business English	3
BTECH 140	Word Processing Applications	5
BTECH 115	Electronic Math Applications	3
BTECH 205	Records Information Management	5
BTECH 220	Office Procedures and Ethics	5

Software Applications

Certificate of Achievement

Core Courses (33 credits)

CIS 102	Introduction to Microsoft Office	3
CIS 125	Internet Fundamentals	5
BTECH 131	Access	5
BTECH 140	Word Processing Applications	5
BTECH 150	Excel	5
BTECH 252	Desktop Publishing	5
BTECH 253	Integrated Software Applications	5

CARPENTRY TECHNOLOGY

Carpentry Technology

Associate in Technology Degree

Prerequisite Requirements

Placement in ENGL 060, MATH 060, READ 080 and instructor permission.

Core Courses (96 credits)

CARP 121	Residential/Commercial Carpentry I	16
CARP 122	Residential/Commercial Carpentry II	16
CARP 123	Residential/Commercial Carpentry III	16
CARP 221	Residential/Commercial Carpentry IV	16
CARP 222	Residential/Commercial Carpentry V	16
CARP 223	Residential/Commercial Carpentry VI	16

Support Courses (6 credits)

WELD 101	Related Welding I (or higher)	6
----------	-------------------------------	---

General Courses (16 credits)

ENGL& 101	English Composition I	5
or		
ENGL 150	Vocational/Technical/Business Writing	5
MATH 100	Vocational/Technical Math (or above)	5
PSYC& 100	General Psychology	5
or		
PSYCH 106	Applied Psychology	3
or		
SOC& 101	Introduction to Sociology	5
PE	Any equivalent PE courses	3
Minimum Credits Required		118

Carpentry Technology

Certificate of Completion

Prerequisite Requirements

Placement in ENGL 060, MATH 060, READ 080 and instructor permission.

Core Courses (48 credits)

CARP 121	Residential/Commercial Carpentry I	16
CARP 122	Residential/Commercial Carpentry II	16
CARP 123	Residential/Commercial Carpentry III	16

General Courses (13 credits)

ENGL& 101	English Composition I	5
or		
ENGL 150	Vocational/Technical/Business Writing	5
MATH 100	Vocational/Technical Math (or above)	5
PSYC& 100	General Psychology	5
or		
PSYCH 106	Applied Psychology	3
or		
SOC& 101	Introduction to Sociology	5
Minimum Credits Required		61



Beginning Carpentry
Certificate of Achievement

Prerequisite Requirements

Placement in ENGL 060, MATH 060, READ 080 and instructor permission.

Core Courses (48 credits)

CARP 121	Residential/Commercial Carpentry I	16
CARP 122	Residential/Commercial Carpentry II	16
CARP 123	Residential/Commercial Carpentry III	16

Advanced Carpentry
Certificate of Achievement

Prerequisite Requirements

Placement in ENGL 060, MATH 060, READ 080 and instructor permission.

Core Courses (48 credits)

CARP 221	Residential/Commercial Carpentry IV	16
CARP 222	Residential/Commercial Carpentry V	16
CARP 223	Residential/Commercial Carpentry VI	16

COMMERCIAL TRUCK DRIVING

Commercial Truck Driving
Certificate of Achievement

This **15 week** program has limited enrollment. Instructor permission is required prior to enrollment in core courses in this program.

Prerequisite Requirements

Place 220 or higher on CASAS test. Have a valid Washington State driver's license. Must have/provide: 1) clean/clear DMV 5-year abstract; 2) DOT physical; meet requirements of FMCSR, sections 391.41 and 391.49; 3) obtain valid CDL Instruction Permit from Washington State DMV. Concurrent enrollment in CDL 150 and 160 is also required. All CDL core courses need to be completed with a grade of "C" or better.

Core Courses (25 credits)

CDL 100	Forklift Certification Training	1
CDL 101	Commercial Drivers License Training	8
CDL 150	Range Operations and Equipment	2
CDL 160	Range Operations/Beginning Over the Road	6
CDL 175	Range Operations and Maneuvers	5
CDL 185	Over the Road Driving	3

CRIMINAL JUSTICE

Criminal Justice

Associate in Applied Science-Transfer (AAS-T) Degree

This degree is built upon the technical courses required for job preparation, but also includes a college-level general education component. This is consistent with the dual purpose of transfer and preparation for direct employment.

Communication Skills (5 credits)

ENGL& 101	English Composition I	
-----------	-----------------------	--

Quantitative Skills (5 credits)

Any generally transferable math course with intermediate algebra as a required prerequisite, except MATH& 131 and MATH& 132.

Science, Social Science, Humanities (10 credits)

PSYC& 100	General Psychology	5
SPCH 101	Fundamentals of Speech	5

Core Courses (35 credits)

CJ& 101	Introduction to Criminal Justice	5
CJUS 104	Line Officer Function	5
CJUS 201	Public/Private Investigation	5
POL S 102	Law and Society	5
POL S 110	Law and Justice	5
SOC 106	Juvenile Justice	5
SOC 112	Criminology	5

General Courses (16 credits)

CIS 102	Introduction to Microsoft Office	3
CJUS 151	Drugs and Our Society	5
CJUS 258	Criminal Justice Internship	5
PE	Any equivalent PE courses	3

Select 2 of the following (10 credits)

PSYC& 200	Lifespan Psychology	
PSYC& 220	Abnormal Psychology	
PSYCH 250	Social Psychology	
SOC& 101	Introduction to Sociology	

Elective Courses (12 credits)

Elective courses must be approved by the student's academic advisor.

Minimum Credits Required 93

Graduates of the Basic Police Academy, Correctional Officer Academy, and Police Reserve Academy may request in lieu credit. Credit for Advanced training provided by the Washington State Criminal Justice Training Commission may also be accepted. Please see the Criminal Justice advisor for additional information.

Criminal Justice

Associate in Applied Science Degree

(With specializations in Law Enforcement, Correctional Services, or Juvenile Justice)

Core Courses (35 credits)

CJ& 101	Introduction to Criminal Justice	5
CJUS 104	Line Officer Function	5
CJUS 201	Public/Private Investigation	5
POL S 102	Law and Society	5
POL S 110	Law and Justice	5
SOC 106	Juvenile Justice	5
SOC 112	Criminology	5

Support Courses (14 credits)

CIS 102	Introduction to Microsoft Office	3
CJUS 151	Drugs and Our Society	5
CJUS 258	Criminal Justice Internship	1-5
PSYC& 220	Abnormal Psychology	5
or		
PSYCH 250	Social Psychology	5

General Courses (31 credits)

ENGL& 101	English Composition I	5
MATH 101	Applications of Algebra (or above)	5
PSYC& 100	General Psychology	5
PSYCH 106	Applied Psychology	3
or		
PSYC& 200	Lifespan Psychology	5
SOC& 101	Introduction to Sociology	5
SPCH 101	Fundamentals of Speech	5
PE	Any equivalent PE courses	3

Elective Courses (13 credits)

Elective courses must be approved by the student's academic advisor at Grays Harbor College.

Minimum Credits Required 93

Criminal Justice

Certificate of Completion

(With specializations in Law Enforcement, Correctional Services, or Juvenile Justice)

Prerequisite Requirements

MATH 095 or placement in MATH 098 is a requirement for program completion.

Core Courses (5 credits)

CJ& 101	Introduction to Criminal Justice	5
---------	----------------------------------	---

Select 4 of the following (20 credits)

CJUS 104	Line Officer Function	5
CJUS 201	Public Private Investigation	5
POL S 102	Law and Society	5
POL S 110	Law and Justice	5
SOC 106	Juvenile Justice	5
SOC 112	Criminology	5

Support Courses (8 credits)

CJUS 151	Drugs and Our Society	5
CIS 102	Introduction Microsoft Office	3
or		
SPCH 101	Fundamentals of Speech	5

General Courses (13 credits)

ENGL& 101	English Composition I	5
PSYC& 100	General Psychology	5
or		
PSYCH 106	Applied Psychology	3
SOC& 101	Introduction to Sociology	5

Minimum Credits Required 46





DIESEL TECHNOLOGY

Diesel Technology Associate in Technology Degree

Prerequisite Requirements

Placement in ENGL 060, MATH 060, READ 080 and instructor permission.

Core Courses (96 credits)

DT 121	Introduction to Diesel Technology	16
DT 122	Intermediate Diesel Technology	16
DT 123	Advanced Diesel Technology	16
DT 221	Diagnostics, Testing, and Repair	16
DT 222	Advanced Diagnostics, Testing, and Repair	16
DT 223	Certification and Testing	16

Support Courses (6 credits)

WELD 101	Related Welding I	6
----------	-------------------	---

General Courses (16 credits)

ENGL& 101	English Composition I	5
or		
ENGL 150	Vocational/Technical/Business Writing	5
MATH 100	Vocational/Technical Math (or above)	5
PSYC& 100	General Psychology	5
or		
PSYCH 106	Applied Psychology	3
or		
SOC& 101	Introduction to Sociology	5
PE	Any equivalent PE courses	3

Minimum Credits Required 118

Diesel Technology Fundamentals

Certificate of Completion

Prerequisite Requirements

Placement in ENGL 060, MATH 060, READ 080 and instructor permission.

Core Courses (48 credits)

DT 121	Introduction to Diesel Technology	16
DT 122	Intermediate Diesel Technology	16
DT 123	Advanced Diesel Technology	16

Support Courses (6 credits)

WELD 101	Related Welding I	6
----------	-------------------	---

General Courses (13 credits)

ENGL& 101	English Composition I	5
or		
ENGL 150	Vocational/Technical/Business Writing	5
MATH 100	Vocational/Technical Math (or above)	5
PSYC& 100	General Psychology	5
or		
PSYCH 106	Applied Psychology	3
or		
SOC& 101	Introduction to Sociology	5

Minimum Credits Required 67

Advanced Diesel Technology

Certificate of Completion

Prerequisite Requirements

Placement in ENGL 060, MATH 060, READ 080 and instructor permission.

Core Courses (32 credits)

DT 221	Diagnostics, Testing, and Repair	16
DT 222	Advanced Diagnostics, Testing, and Repair	16

Support Courses (6 credits)

WELD 101	Related Welding I	6
----------	-------------------	---

General Courses (13 credits)

ENGL& 101	English Composition I	5
or		
ENGL 150	Vocational/Technical/Business Writing	5
MATH 100	Vocational/Technical Math (or above)	5
PSYC& 100	General Psychology	5
or		
PSYCH 106	Applied Psychology	3
or		
SOC& 101	Introduction to Sociology	5

Minimum Credits Required 51

Diesel Technology Level 1

Certificate of Achievement

Prerequisite Requirements

Placement in ENGL 060, MATH 060, READ 080 and instructor permission.

Core Courses (16 credits)

DT 121 Introduction to Diesel Technology

Diesel Technology Level 2

Certificate of Achievement

Prerequisite Requirements

Placement in ENGL 060, MATH 060, READ 080 and instructor permission.

Core Courses (16 credits)

DT 122 Intermediate Diesel Technology

Diesel Technology Level 3

Certificate of Achievement

Prerequisite Requirements

Placement in ENGL 060, MATH 060, READ 080 and instructor permission.

Core Courses (16 credits)

DT 123 Advanced Diesel Technology

Diesel Technology Level 4

Certificate of Achievement

Prerequisite Requirements

Placement in ENGL 060, MATH 060, READ 080 and instructor permission.

Core Courses (16 credits)

DT 221 Diagnostics, Testing, and Repair

Diesel Technology Level 5

Certificate of Achievement

Prerequisite Requirements

Placement in ENGL 060, MATH 060, READ 080 and instructor permission.

Core Courses (16 credits)

DT 222 Advanced Diagnostics, Testing, and Repair

EARLY CHILDHOOD EDUCATION

Early Childhood Education

Certificate of Completion

This program is designed to be completed entirely online. Completion of the program meets the requirements of the Early Childhood Education State Certification. All online courses are delivered using the Canvas environment.

Students complete the Initial Certificate, the support and general education courses, plus select a career lattice specialization to obtain the credits required for the Certificate of Completion. For more information, please visit the WAOL Virtual Campus of Grays Harbor College (<http://www.ghc.ctc.edu/distance/index.htm>). Although not required to receive this Certificate of Completion, ECED& 100, Child Care Basics, meets the STARS requirement for State of Washington ECE endorsement.

Initial Certificate (12 credits)

ECED& 105	Introduction to Early Childhood Education	5
ECED& 107	Health, Safety, and Nutrition	5
ECED& 120	Practicum: Nurturing Relationships	2

Career Lattice Specializations (8 credits each)

Early Childhood Education – General

EDUC& 115	Child Development	5
EDUC& 130	Guiding Behavior	3

or

Infant-Toddler Care

ECED& 132	Infants and Toddlers – Nurturing Care	3
EDUC& 115	Child Development	5

or

School-Age Care

EDUC& 115	Child Development	5
EDUC& 136	School Age Care Management	3

or

Family Child Care

ECED& 134	Family Child Care Management	3
EDUC& 115	Child Development	5

or

Administration

ECED& 139	Administration of Early Learning Programs	3
EDUC& 115	Child Development	5

Support and General Education Courses (27 credits)

ECED& 160	Curriculum Development	5
EDUC 150	Child, Family, Community	3
ENGL& 101	English Composition I	5
MATH& 107	Math and Society*	5

ECED& 170	Environments for Young Children	3
-----------	---------------------------------	---

or

EDUC& 130	Guiding Behavior	3
-----------	------------------	---

ECED& 180	Language and Literacy Development	3
-----------	-----------------------------------	---

ECED& 190	Observation and Assessment	3
-----------	----------------------------	---

Minimum Credits Required 47

*NOTE: Students may substitute MATH 100 or MATH 101, which are not offered online.

Early Childhood Education

Certificates of Achievement

Early Childhood Education – General (20 credits)

ECED& 105	Introduction to Early Childhood Education	5
ECED& 107	Health, Safety, and Nutrition	5
ECED& 120	Practicum: Nurturing Relationships	2
EDUC& 115	Child Development	5
EDUC& 130	Guiding Behavior	3

Infant-Toddler Care (20 credits)

ECED& 105	Introduction to Early Childhood Education	5
ECED& 107	Health, Safety, and Nutrition	5
ECED& 120	Practicum: Nurturing Relationships	2
ECED& 132	Infants and Toddler	3
EDUC& 115	Child Development	5

School-Age Care (20 credits)

ECED& 105	Introduction to Early Childhood Education	5
ECED& 107	Health, Safety, and Nutrition	5
ECED& 120	Practicum: Nurturing Relationships	2
EDUC& 115	Child Development	5
EDUC& 136	School-Age Care Management	3

Family Child Care (20 credits)

ECED& 105	Introduction to Early Childhood Education	5
ECED& 107	Health, Safety, and Nutrition	5
ECED& 120	Practicum: Nurturing Relationships	2
ECED& 134	Family Child Care Management	3
EDUC& 115	Child Development	5

Administration (20 credits)

ECED& 105	Introduction to Early Childhood Education	5
ECED& 107	Health, Safety, and Nutrition	5
ECED& 120	Practicum: Nurturing Relationships	2
ECED& 139	Administration of Early Learning Programs	3
EDUC& 115	Child Development	5



ENERGY TECHNOLOGY

Energy Technology-Power Operations

Associate in Applied Science–Transfer (AAS-T) Degree

This degree is built upon the technical courses required for job preparation, but also includes a college-level general education component. This is consistent with the dual purpose of transfer and preparation for direct employment.

All core courses in this program (with the exception of PPO 191) are delivered via ITV from Centralia College.

Communication Skills (5 credits)

ENGL& 101	English Composition I
-----------	-----------------------

Quantitative Skills (5 credits)

MATH& 141	Precalculus I
-----------	---------------

Science, Social Science, or Humanities (10 credits)

PSYC& 100	General Psychology
-----------	--------------------

or

SOC& 101	Introduction to Sociology
----------	---------------------------

ENVS& 100	Survey of Environmental Science
-----------	---------------------------------

Core Courses (49 credits)

PPO 100	Introduction to Power Generation	5
PPO 102	Power Generation	5
PPO 103	Plant Design and Operations	5
PPO 120	Print Reading	4
PPO 130	Industrial Safety and Rigging	5
PPO 150	Efficiency Energy	3
PPO 151	Efficiency Energy Lab	2
PPO 191	Power Industry Job Preparation	5
PPO 201	Plant Systems and Equipment	5
PPO 202	Refrigeration, HVAC, and Plant Maintenance	5
PPO 203	Power Plant Operations	5

General Courses (13 credits)

BTECH 140	Word Processing Applications	5
BTECH 150	Excel	5
PE 177	First Aid/CPR	2
PE	Any equivalent PE course	1

Elective Courses (13 credits)

Elective courses must be approved by the student's academic advisor.

Minimum Credits Required

95

Energy Technology-Power Operations

Associate in Applied Science Degree

All core courses in this program (with the exception of PPO 191) are delivered via ITV from Centralia College.

Core Courses (49 credits)

PPO 100	Introduction to Power Generation	5
PPO 102	Power Generation	5
PPO 103	Plant Design and Operations	5
PPO 120	Print Reading	4
PPO 130	Industrial Safety and Rigging	5
PPO 150	Efficiency Energy	3
PPO 151	Efficiency Energy Lab	2
PPO 191	Power Industry Job Preparation	5
PPO 201	Plant Systems and Equipment	5
PPO 202	Refrigeration, HVAC, and Plant Maintenance	5
PPO 203	Power Plant Operations	5

Support Courses (20 credits)

BTECH 140	Word Processing Applications	5
BTECH 150	Excel	5
ENVS& 100	Survey of Environmental Science	5
MATH& 141	Precalculus I	5

General Courses (13 credits)

ENGL& 101	English Composition I	5
or		
ENGL 150	Vocational/Technical and Business Writing	5
PE 177	First Aid/CPR	2
PE	Any equivalent PE course	1
PSYC& 100	General Psychology	5
or		
SOC& 101	Introduction to Sociology	5

Elective Courses (13 credits)

Elective courses must be approved by the student's academic advisor.

Minimum Credits Required 95

Power Technology

Certificate of Completion

All core courses in this program (with the exception of PPO 191) are delivered via ITV from Centralia College.

Core Courses (34 credits)

PPO 100	Introduction to Power Generation	5
PPO 102	Power Generation	5
PPO 103	Plant Design and Operations	5
PPO 120	Print Reading	4
PPO 130	Industrial Safety and Rigging	5
PPO 150	Efficiency Energy	3
PPO 151	Efficiency Energy Lab	2
PPO 191	Power Industry Job Preparation	5

General Courses (18 credits)

BTECH 150	Excel	5
ENGL 150	Vocational/Technical and Business Writing	5
MATH 101	Application of Algebra (or above)	5
PSYC& 100	General Psychology	5
or		
PSYCH 106	Applied Psychology	3
or		
SOC& 101	Introduction to Sociology	5

Minimum Credits Required 52

“I just want to say thank you to all the people I met through GHC for making my experience here a successful and memorable one. I would strongly recommend the program to others because it is a great career choice for anyone with strong mechanical skills and those who pay attention to details. The jobs are high paying jobs with career oriented incentives.”



Chris Anderson
 Mazama High School, Klamath Falls, OR
 Grays Harbor College Class of 2013
 Energy Technology Program
 Now employed at TransAlta in Centralia

HEALTH SCIENCES

Nursing

Associate in Applied Science-Transfer (AAS-T) Degree

This program is approved by the Washington State Nurse Care Quality Assurance Commission and accredited by the National League for Nursing Accrediting Commission. The degree has the dual purpose of transfer for baccalaureate nursing degree completion and preparation for direct employment as a registered nurse. Placement in the program is on a space available basis.

This is a competitive admission program. Nursing Program Applications are available during the application period each year in the Nursing Department or online at <http://ghc.edu/nursing>.

The following are minimum requirements but **do not guarantee admission**. Each of the admission requirements must be completed with a minimum grade of “C” (2.0) prior to consideration for admission. **Admission requirements must be completed by the end of spring quarter to be considered for selection for the following fall entry.** Points toward selection will be awarded for support courses completed by the end of spring quarter as detailed in the “Nursing Information Packet” available from the Workforce Education Office or online at <http://ghc.edu/nursing>. Each of the core nursing courses must be completed with a grade of “B-” or better to remain in the program. A failing grade in clinical will result in a “C+” for the course.

Grays Harbor College offers a six-quarter program (2 academic years) leading to an Associate of AAS-T in Registered Nursing. Most students take a year of admission and support courses prior to entry. Students who take an additional one (1) credit course in “Personal and Vocational Relationships” at the end of their first year will have the option to apply for a Certificate of Completion in Practical Nursing and be eligible to take the NCLEX-PN licensure examination to become a Licensed Practical Nurse. Qualified LPNs who wish to complete the AAS-T in Registered Nursing must apply for admission to the second year of the program. Admission is on a space available basis. Upon successful completion of the AAS-T, the graduate is eligible to take the NCLEX-RN licensure examination for licensure as a Registered Nurse.

Upon selection, students must submit documentation of current immunizations, American Heart Association Health Care Provider CPR certification, successful completion of a Washington State approved nursing assistant training program and submit to criminal background checking. Students are responsible for carrying personal illness/injury insurance. Low cost coverage is available through the college. Information is provided upon request.

Students are responsible for providing their own insurance for illness/injury. Clinical rotations are scheduled during the day and evening hours with some night and weekend rotations possible in order to gain specific experiences. Students are responsible for providing their own transportation and proof of vehicle insurance.

The AAS-T Nursing Program is accredited by the Accreditation Commission for Education in Nursing, Inc. 3343 Peachtree Road NE, Suite 850 Atlanta GA 30326 1-404-975-5000 www.acnursing.org.

Prerequisite Requirements

- Age 18
- GPA 2.5 or higher
- MATH 098 or placement in college level

Prerequisite Courses (35 credits)

All prerequisite courses are required for the both the Associate in Applied Science-Transfer Degree and the Certificate of Completion Practical Nursing. **The courses identified in bold are also required to obtain the Certificate of Completion in Practical Nursing.** For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at: <http://www.ghc.edu/noc/disclosures.htm>

BIOL& 241	Anatomy & Physiology I	5
BIOL& 242	Anatomy & Physiology II	5
BIOL& 260	Microbiology	5
CHEM& 121	Introduction to Chemistry with Lab	5
ENGL& 101	English Composition I	5
NUTR& 101	Human Nutrition	5
PSYC& 200	Lifespan Psychology	5

Quantitative Skills (5 credits)

MATH& 146	Introduction to Statistics	5
-----------	----------------------------	---

Science, Social Science, or Humanities (5 credits)

SOC& 101	Introduction to Sociology	5
or		
ANTH& 206	Cultural Anthropology	5

PE Courses (1 credit)

PE	Any equivalent PE course	1
----	--------------------------	---

Prior to Starting Core Courses

Documentation of successful completion of approved nursing assistant training program within the last two years or current Washington State unencumbered NA-C License.

Core Nursing Courses (74 credits total)

NURS 135	Nursing Pharmacology I	1
NURS 137	Nursing Pharmacology II	1
NURS 139	Nursing Pharmacology III	1
NURS 151	Concepts Basic to Nursing	11
NURS 153	Common Health Alterations I	12
NURS 154	Common Health Alterations II	12
NURS 251	Complex Health Alterations I	12
NURS 252	Complex Health Alterations II	12
NURS 253	Transition to Professional Nursing	12

Minimum Credits Required 120

Optional Course for Certificate of Completion (1 credit)

NURS 198	Personal & Vocational Relationships PN	1
----------	--	---

LPN to RN Transition

Associate in Applied Science-Transfer (AAS-T) Degree

This program is designed for LPNs who wish to complete and prepare for direct employment as a registered nurse and/or transfer for baccalaureate nursing degree. Admission to the second year of the nursing program is on a space available basis.

Admission Requirements

- Graduation from an approved practical nursing program
- Current unencumbered Washington State LPN license

Prerequisite Courses (38 credits)

BIOL& 241	Anatomy & Physiology I	5
BIOL& 242	Anatomy & Physiology II	5
BIOL& 260	Microbiology	5
CHEM& 121	Introduction to Chemistry with Lab	5
ENGL& 101	English Composition I	5
NUTR& 101	Human Nutrition	5
PSYC& 200	Lifespan Psychology	5
NURS 149	Transition from LPN	3

Second Year Core Courses (36 credits)

NURS 251	Complex Health Alterations I	12
NURS 252	Complex Health Alterations II	12
NURS 253	Transition to Professional Practice	12

Second Year Support Courses (11 credits)

MATH& 146	Introduction to Statistics	5
SOC& 101	Introduction to Sociology	5
or		
ANTH& 206	Cultural Anthropology	5
PE	Any activity course	1

Credits Required for AAS-T 86

Nursing Assistant Training

Certificate of Achievement

Successful completion of this Nursing Assistant Training qualifies a student to take the state licensure exam for NA-C.

Prerequisites

Completion of the National Criminal Background Check is required prior to entry into clinical agencies. Documentation on file in Nursing Program Office of the following immunizations: Hepatitis B immunization series started, skin test or x-ray findings negative for active TB within 1 year and seasonal influenza vaccine.

This course includes both classroom lecture and work in a nursing home under the direct supervision of the instructor. Students will spend 8 hours weekly providing direct care to residents. Clinical sections will be established during the first week of class. Only 10 students are allowed per instructor in clinicals.

Core Courses (9 credits)

CNA 102	Certified Nursing Assistant Training	9
---------	--------------------------------------	---



HUMAN SERVICES

Human Services

Associate in Applied Science-Transfer (AAS-T) Degree

This degree is built upon the technical courses required for job preparation, but also includes a college-level general education component. This is consistent with the dual purpose of transfer and preparation for direct employment.

Prerequisite Requirements

Prerequisite requirements must be fulfilled prior to enrollment in most required program courses. Prerequisite requirements are listed together with titles and descriptions of required program courses in the Grays Harbor College General Catalog.

Upon enrollment in HS 101, students must consent to a Washington State Patrol Background check. This is not used to determine program participation. It is only used to assist the student with cooperative work experience placement. Students must have taken or be concurrently enrolled in ENGL 095 or ENGL& 101, and CIS 102.

Communication Skills (5 credits)

ENGL& 101 English Composition I

Quantitative Skills (5 credits)

Any generally transferable math course with intermediate algebra as a required prerequisite, except MATH& 131 and MATH& 132

Science, Social Science, or Humanities (10 credits)

PSYC& 100 General Psychology 5
 SPCH 101 Fundamentals of Speech 5

Core Courses (59 credits)

CIS 102 Introduction to Microsoft Office 3
 HS 101 Introduction to Human Services 5
 HS 102 Survey of Community Resources 5
 HS 108 Counseling and Crisis Intervention 5
 HS 109 Law and Ethics in Human Services 5
 HS 158 Cooperative Work Internship 3
 HS 201 Current Issues in Human Services 5
 HS 202 Counseling Special Populations 5
 HS 203 Interview and Assessments in Human Services 5
 HS 204 Advanced Counseling/Case Management 5
 HS 258 Advanced Cooperative Work Internship 5
 PSYC& 200 Lifespan Psychology 5
 PE Any equivalent PE courses 3

Option 1:

Human Services Generalist Support Courses (20)

ALSA 100	Medical Issues & Chemical Dependency	2
ALSA 120	Pharmacology of Alcohol and Drugs	4
ALSA 125	The Dysfunctional Family	3
ALSA 136	Group Dynamics	3
ALSA 140	Chemical Dependency and Case Management	3
ALSA 209	Law and Ethics Chemical Dependency Treatment	2
ALSA 210	Chemical Dependency Treatment and the Law	2
ALSA 211	Relapse Prevention	2
ALSA 212	Youth Chemical Depend Assessment/Counseling	2
ALSA 270	Alcohol and Substance Abuse Counseling	4
CJ& 101	Introduction to Criminal Justice	5
CJUS 104	The Line Officer Function	5
EDUC& 115	Child Development	3
EDUC& 130	Guiding Behavior	3
HSSA& 101	Introduction to Addictive Drugs	4
HUMDV 104	Stress Management and Wellness	2
HUMDV 109	Personal Development	2
HUMDV 111	Career Options and Life Planning	3
HUMDV 151	Interpersonal Skills	2
POL S 102	Law and Society	5
POL S 110	Law and Justice	5
PSYCH 106	Applied Psychology	3
PSYCH 210	Psychology of Adjustment	5
PSYCH 250	Social Psychology	5
PSYC& 180	Human Sexuality	5
PSYC& 220	Abnormal Psychology	5
SOC& 101	Introduction to Sociology	5
SOC 106	Juvenile Justice	5
SOC 112	Criminology	5
SOC 252	Marriage and Family	5

Minimum Credits Required for Option 1 99

Option 2:

Human Services in Chemical Dependency Support Courses (31 credits)

The support courses for this degree are consistent with the Washington State Department of Health's course requirements to obtain a Chemical Dependency Professional certification.

ALSA 100	Medical Issues & Chemical Dependency	2
ALSA 120	Pharmacology of Alcohol/Drugs	4
ALSA 125	The Dysfunctional Family	3
ALSA 136	Group Dynamics	3
ALSA 140	Chemical Dependency and Case Management	3
ALSA 209	Law/Ethics Chemical Dependency Treatment	2
ALSA 210	Chemical Dependency Treatment/Law	2
ALSA 211	Relapse Prevention	2
ALSA 212	Youth Chemical Depend Assessment/Counseling	2
ALSA 270	Alcohol/Substance Abuse Counseling	4
HSSA& 101	Introduction to Addictive Drugs	4

Minimum Credits Required for Option 2 110

Human Services

Associate in Applied Science Degree

Recommended Preparation for HS programs

Prerequisite requirements must be fulfilled prior to enrollment in most required program courses. Prerequisite requirements are listed together with course titles and descriptions in this catalog.

Upon enrollment in HS 101, students must consent to a Washington State Patrol Background check. This is not used to determine program participation. It is only used to assist the student with cooperative work experience placement. Students must have taken or be concurrently enrolled in ENGL 095 or ENGL& 101, and CIS 102.

Core Courses (48 credits)

HS 101	Introduction to Human Services	5
HS 102	Survey of Community Resources	5
HS 108	Counseling/Crisis Intervention	5
HS 109	Law/Ethics in Human Services	5
HS 158	Cooperative Work Internship	3
HS 201	Current Issues in Human Services	5
HS 202	Counseling Special Populations	5
HS 203	Interview/Assessments in Human Services	5
HS 204	Advanced Counseling/Case Management	5
HS 258	Advanced Cooperative Work Internship	5

General Education Courses (29-31 credits)

CIS 102	Introduction to Microsoft Office	3
ENGL& 101	English Composition I	5
MATH 101	Applications of Algebra (or above)	5
PSYC& 100	General Psychology	5
PSYC& 200	Lifespan Psychology	5
SPCH 101 or SPCH 201	Fundamentals of Speech Fundamentals of Group Discussion	5 3
PE	Any equivalent PE courses	3



Option 1:

ALSA 100	Medical Issues & Chemical Dependency	2
ALSA 120	Pharmacology of Alcohol/Drugs	4
ALSA 125	The Dysfunctional Family	3
ALSA 136	Group Dynamics	3
ALSA 140	Chemical Dependency and Case Management	3
ALSA 209	Law/Ethics in Chemical Depend Treat	2
ALSA 210	Chemical Dependency Treatment/Law	2
ALSA 211	Relapse Prevention	2
ALSA 212	Youth Chemical Depend Assess/Counsel	2
ALSA 270	Alcohol/Substance Abuse Counseling	4
CJ& 101	Introduction to Criminal Justice	5
CJUS 104	The Line Officer Function	5
EDUC& 115	Child Development	3
EDUC& 130	Guiding Behavior	3
HSSA& 101	Introduction to Addictive Drugs	4
HUMDV 104	Stress Management & Wellness	2
HUMDV 109	Personal Development	2
HUMDV 111	Career Options and Life Planning	3
HUMDV 151	Interpersonal Skills	2
POL S 102	Law and Society	5
POL S 110	Law and Justice	5
PSYCH 106	Applied Psychology	3
PSYCH 210	Psychology of Adjustment	5
PSYCH 250	Social Psychology	5
PSYC& 180	Human Sexuality	5
PSYC& 220	Abnormal Psychology	5
SOC& 101	Introduction to Sociology	5
SOC 106	Juvenile Justice	5
SOC 112	Criminology	5
SOC 252	Marriage and Family	5

Human Services Generalist (20)

ALSA 100	Medical Issues & Chemical Dependency	2
ALSA 120	Pharmacology of Alcohol/Drugs	4
ALSA 125	The Dysfunctional Family	3
ALSA 136	Group Dynamics	3
ALSA 140	Chemical Dependency and Case Management	3
ALSA 209	Law/Ethics in Chemical Depend Treat	2
ALSA 210	Chemical Dependency Treatment/Law	2
ALSA 211	Relapse Prevention	2
ALSA 212	Youth Chemical Depend Assess/Counsel	2
ALSA 270	Alcohol/Substance Abuse Counseling	4
CJ& 101	Introduction to Criminal Justice	5
CJUS 104	The Line Officer Function	5
EDUC& 115	Child Development	3
EDUC& 130	Guiding Behavior	3
HSSA& 101	Introduction to Addictive Drugs	4
HUMDV 104	Stress Management & Wellness	2
HUMDV 109	Personal Development	2
HUMDV 111	Career Options and Life Planning	3
HUMDV 151	Interpersonal Skills	2
POL S 102	Law and Society	5
POL S 110	Law and Justice	5
PSYCH 106	Applied Psychology	3
PSYCH 210	Psychology of Adjustment	5
PSYCH 250	Social Psychology	5
PSYC& 180	Human Sexuality	5
PSYC& 220	Abnormal Psychology	5
SOC& 101	Introduction to Sociology	5
SOC 106	Juvenile Justice	5
SOC 112	Criminology	5
SOC 252	Marriage and Family	5

Minimum Credits Required for Option 1 99

Option 2:

Human Services in Chemical Dependency (31 credits)

The support courses for this degree are consistent with the Washington State Department of Health's course requirements to obtain a Chemical Dependency Professional certification.

ALSA 100	Medical Issues & Chemical Dependency	2
ALSA 120	Pharmacology of Alcohol/Drugs	4
ALSA 125	The Dysfunctional Family	3
ALSA 136	Group Dynamics	3
ALSA 140	Chemical Dependency and Case Management	3
ALSA 209	Law/Ethics Chemical Dependency Treatment	2
ALSA 210	Chemical Dependency Treatment/Law	2
ALSA 211	Relapse Prevention	2
ALSA 212	Youth Chemical Depend Assessment/Counseling	2
ALSA 270	Alcohol/Substance Abuse Counseling	4
HSSA& 101	Introduction to Addictive Drugs	4

Minimum Credits Required for Option 2 110

Human Services

Certificate of Completion

Recommended Preparation for HS programs

Prerequisite requirements must be fulfilled prior to enrollment in most required program courses. Prerequisite requirements are listed together with course titles and descriptions in this catalog.

Upon enrollment in HS 101, students must consent to a Washington State Patrol Background check. This is not used to determine program participation. It is only used to assist the student with cooperative work experience placement. Students must have taken or be concurrently enrolled in ENGL 095 or ENGL& 101, and CIS 102.

Core Courses (33 credits)

HS 101	Introduction to Human Services	5
HS 102	Survey of Community Resources	5
HS 108	Counseling and Crisis Intervention	5
HS 158	Cooperative Work Internship	3
HS 201	Current Issues in Human Services	5
HS 203	Interview and Assessments in Human Services	5
HS 258	Advanced Cooperative Work Internship	5

General Education Courses (16-18 credits)

CIS 102	Introduction to Microsoft Office	3
ENGL& 101	English Composition I	5
MATH 101	Applications of Algebra (or above)	5

SPCH 101	Fundamentals of Speech	5
or		
SPCH 201	Fundamentals of Group Discussion	3
	Minimum Credits Required	49



Chemical Dependency

Certificate of Completion

Recommended Preparation for HS programs

Prerequisite requirements must be fulfilled prior to enrollment in most required program courses. Prerequisite requirements are listed together with course titles and descriptions in this catalog.

Upon enrollment in HS 101, students must consent to a Washington State Patrol Background check. This is not used to determine program participation. It is only used to assist the student with cooperative work experience placement. Students must have taken or be concurrently enrolled in ENGL 095 or ENGL& 101, and CIS 102.

The certificate will provide students with the academic background to understand content, models, theories and research relevant to working with chemically dependent persons and their families and prepare them for entry level employment. It is ideal for working professionals who already have a degree but are in need of the specific coursework to obtain state credentials. The required certificate coursework covers most of the content areas required for the chemical dependency professional credential issued by the Washington State Department of Health (see RCW 246.811 Washington Administrative Code [WAC Chapter 246-811]).

Core Courses (51 credits)

ALSA 100	Medical Issues & Chemical Dependency	2
ALSA 120	Pharmacology of Alcohol and Drugs	4
ALSA 125	The Dysfunctional Family	3
ALSA 136	Group Dynamics	3
ALSA 140	Chemical Dependency and Case Management	3
ALSA 209	Law and Ethics Chemical Dependency Treatment	2
ALSA 210	Chemical Dependency Treatment and the Law	2
ALSA 211	Relapse Prevention	2
ALSA 212	Youth Chemical Depend Assessment/Counseling	2
ALSA 270	Alcohol and Substance Abuse Counseling	4
HS 101	Introduction to Human Services	5
HS 102	Community Resources	5
HS 203	Interview and Assessments in Human Services	5
HSSA& 101	Introduction to Addictive Drugs	4
PSYC& 200	Lifespan Psychology	5

General Education Courses (16-18 credits)

CIS 102	Introduction to Microsoft Office	3
ENGL& 101	English Composition I	5
MATH 101	Applications of Algebra (or above)	5
SPCH 101	Fundamentals of Speech	5
or		
SPCH 201	Fundamentals of Group Discussion	3
	Minimum Credits Required	67

MEDICAL RECORDS**Medical Records Office Assistant***Certificate of Completion***Core Courses (27 credits)**

AHLTH 150	Computerized Medical Terminology	5
BIOL 118	Human Biology	5
BTECH 117	Medical Transcription	3
BTECH 132	Insurance Billing and Coding	3
BTECH 175	Medical Coding	3
BTECH 220	Office Procedures and Ethics	5
BTECH 254	Computerized Information Processing	3

Support Courses (23 credits)

CIS 102	Introduction Microsoft Office	3
BTECH 140	Word Processing Applications	5
BTECH 113	Document Formatting	5
BTECH 115	Electronic Math Applications	3
BTECH 124	Keyboard Skillbuilding I	2
BTECH 205	Records Information Management	5

General Courses (11 credits)

BA 140	Business English	3
ENGL& 101	English Composition I	5
or		
ENGL 150	Vocational/Technical/Business Writing	5
PSYCH 106	Applied Psychology	3
or		
SOC& 101	Introduction to Sociology	5

Minimum Credits Required 61

For more information about graduation rates, the median debt of students who completed the program, and other important information, please visit our website at: http://www.ghc.edu/Vocational/disclosures/Medical_Records.pdf.

Medical Coding*Certificate of Achievement***Core Course (11 credits)**

AHLTH 150	Computerized Medical Terminology	5
BTECH 132	Insurance Billing/Coding	3
BTECH 175	Medical Coding	3

Medical Transcription*Certificate of Achievement***Core Course (18 credits)**

AHLTH 150	Computerized Medical Terminology	5
BIOL 118	Human Biology	5
BTECH 117	Medical Transcription	3
BTECH 118	Medical Transcription II	3
BTECH 124*	Keyboard Skillbuilding I	2

NATURAL RESOURCES**Forestry Technician***Associate in Applied Science-Transfer (AAS-T) Degree*

This degree is built upon the technical courses required for job preparation, but also includes a college-level general education component. This is consistent with the dual purpose of transfer and preparation for direct employment.

Prerequisite Requirements

Prerequisite requirements must be fulfilled prior to enrollment in most required program courses. Prerequisite requirements are listed together with titles and descriptions of required program courses in the Grays Harbor College General Catalog.

Communication Skills (5 credits)

ENGL& 101 English Composition I

Quantitative Skills (5 credits)

Any generally transferable math course with intermediate algebra as a required prerequisite, except MATH& 131 and MATH& 132

Science, Social Science, or Humanities (10 credits)

PSYC& 100 General Psychology 5

or

SOC& 101 Introduction to Sociology 5

SPCH 101 Fundamentals of Speech 5

Core Courses (53 credits)

NR 101 Introduction to Forest Management 5

NR 110 Principles of GIS 5

NR 131 Forest Ecology – Plant Taxonomy 5

NR 150 Forest Ecology – Disturbances 5

NR 158 Work Experience Seminar 1

NR 160 Forest Ecology – Habitats 5

NR 250 GIS & Remote Sensing 5

NR 258/259 Cooperative Work Experience 5

NR 260 Forest Mensuration 5

NR 270 Silviculture 5

NR 280 Harvest Systems and Products 5

NR 285 Forest Resource Planning 2

General Courses (8 credits)

ENGL& 235 Technical Writing 5

PE Any equivalent PE courses 3

Select five from the following courses (25 credits)

BA 174 Small Business Management 5

BIOL& 160 General Biology I with lab 5

BIOL& 222 Biological Science II: Molecular/Cell Biology 5

BUS& 101 Introduction to Business 5

CHEM& 121 Introduction to Chemistry 5

CHEM& 161 General Chemistry I with lab 5

EARTH 102 Earth Science 5

ENVS& 100 Survey of Environmental Science 5

GEOL& 101 Introduction to Physical Geology 5

NR 120 Society and Natural Resources 5

Minimum Credits Required 106

Forestry Technician

Associate in Applied Science Degree

Recommended Preparation for NR Programs

Students are particularly encouraged to take note of the skills required in English, reading, math and computers.

Core Courses (53 credits)

NR 101	Introduction to Forest Management	5
NR 110	Principles of GIS	5
NR 131	Forest Ecology – Plant Taxonomy	5
NR 150	Forest Ecology – Disturbances	5
NR 158	Work Experience Seminar	1
NR 160	Forest Ecology – Habitats	5
NR 250	GIS & Remote Sensing	5
NR 258/259	Cooperative Work Experience	5
NR 260	Forest Mensuration	5
NR 270	Silviculture	5
NR 280	Harvest Systems and Products	5
NR 285	Forest Resource Planning	2

General Education Courses (25 credits)

ENGL& 101	English Composition I	5
ENGL& 235	Technical Writing	5
MATH& 107	Math in Society (or higher)	5
PSYC& 100	General Psychology	5
or		
SOC& 101	Introduction to Sociology	5
SPCH 101	Fundamentals of Speech	5

Support Courses (28 credits)

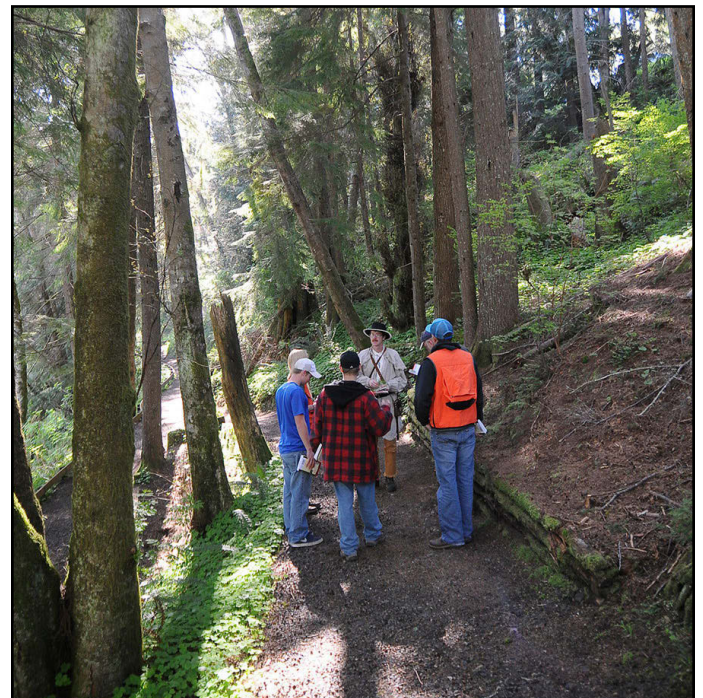
ENVS& 100	Survey of Environmental Science	5
or		
NR 120	Society and Natural Resources	5
PE 177	First Aid and CPR	2
BA 174	Small Business Management	5
or		
BUS& 101	Introduction to Business	5
BIOL& 160	General Biology I with lab	5
or		
BIOL& 222	Biological Science II: Molecular/Cell Biology	5
CHEM& 121	Introduction to Chemistry	5
or		
CHEM& 161	General Chemistry I with lab	5
GEOL& 101	Introduction to Physical Geology	5
or		
EARTH 102	Earth Science	5
PE	Any equivalent PE courses	1
Minimum Credits Required		106

Forestry Technician

Certificate of Completion

Core Courses (41 credits)

ENVS& 100	Survey of Environmental Science	5
or		
NR 120	Society and Natural Resources	5
NR 110	Principles of GIS	5
NR 131	Forest Ecology – Plant Taxonomy	5
NR 150	Forest Ecology – Disturbances	5
NR 158	Work Experience Seminar	1
NR 160	Forest Ecology – Habitats	5
NR 101	Introduction to Forest Management	5
or		
NR 260	Forest Mensuration	5
NR 270	Silviculture	5
or		
NR 280	Harvest Systems and Products	5
NR 258	Cooperative Work Experience	5
Support and General Education Courses (15 credits)		
ENGL& 101	English Composition I	5
or		
ENGL 150	Vocational/Technical/Business Writing	5
or		
ENGL& 235	Technical Writing	5
MATH 100	Vocational/Technical Math (or higher)	5
PSYC& 100	General Psychology	5
or		
SOC& 101	Introduction to Sociology	5
Minimum Credits Required		56



OCCUPATIONAL ENTREPRENEURSHIP

Occupational Entrepreneurship

Associate in Applied Science Degree

Students who have earned a certificate of completion in any of the Industrial Technology Division programs can apply that certificate towards an associate in applied science degree.

Core Courses (23 credits)

ACCT 113	Introduction to Accounting I	5
BA 174	Small Business Management	5
BA 240	Principles of Marketing	5
BA 258	Principles of Management	5
CIS 102	Introduction to Microsoft Office	3

Specified Program Core Courses (34-54 credits)

Students must meet the requirements for a certificate of completion in any of the following programs:

Automotive Technology, Carpentry Technology, Diesel Technology, Power Technology, Welding Technology

General Courses (21 credits)

ENGL& 101	English Composition I	5
or		
ENGL 150	Vocational/Technical/Business Writing	5
MATH 100	Vocational/Technical Math (or above)	5
PSYC& 100	General Psychology	
or		
PSYCH 106	Applied Psychology	3
or		
SOC& 101	Introduction to Sociology	5
SPCH 101	Fundamentals of Speech	5
PE	Any equivalent PE courses	3

Elective Courses (18 credits)

Elective courses must be approved by the student's academic advisor at Grays Harbor College.

BUS& 101	Introduction to Business	5
BA 104	Mathematics for Business	3
BA 140	Business English	3
BA 150	Fundamentals Finance	5
BUS& 201	Business Law	5
ENGL 150	Vocational/Technical/Business Writing	5
Minimum Credits Required		95

WELDING TECHNOLOGY

Welding Technology

Associate in Technology Degree

Prerequisite Requirements

Placement in ENGL 060, READ 080, a grade of "B" or better in MATH 060 or placement in MATH 100 or BMCT score of 38 or higher and instructor permission.

Core Courses (118 credits)

WELD 100	Welding Blueprint Reading	6
WELD 110	Beginning Welding	16
WELD 120	Intermediate Welding	16
WELD 130	Advanced Welding	16
WELD 240	Pipe Welding	16
WELD 245	Fabrication	16
WELD 248	Code Welding	16
WELD 250	Certification	16

General Education (16 credits)

ENGL& 101	English Composition I	5
or		
ENGL 150	Vocational/Technical/Business Writing	5
MATH 100	Vocational/Technical Math (or above)	5
PSYC& 100	General Psychology	5
or		
PSYCH 106	Applied Psychology	3
or		
SOC& 101	Introduction to Sociology	5
PE	Any equivalent PE courses	3

Minimum Credits Required 134



Welding Technology
Certificate of Completion

Prerequisite Requirements

Placement in ENGL 060, READ 080, a grade of “B” or better in MATH 060 or placement in MATH 100 or BMCT score of 38 or higher and instructor permission.

Core Courses (54 credits)

WELD 100	Welding Blueprint Reading	6
WELD 110	Beginning Welding	16
WELD 120	Intermediate Welding	16
WELD 130	Advanced Welding	16

General Courses (13 credits)

ENGL& 101	English Composition I	5
or		
ENGL 150	Vocational/Technical/Business Writing	5
MATH 100	Vocational/Technical Math (or above)	5
PSYC& 100	General Psychology	5
or		
PSYCH 106	Applied Psychology	3
or		
SOC& 101	Introduction to Sociology	5
Minimum Credits Required		67

Related Welding Technology
Certificate of Completion

Core Courses (24 credits)

WELD 100	Welding Blueprint Reading	6
WELD 101	Related Welding I	6
WELD 102	Related Welding II	6
WELD 103	Related Welding III	6

General Courses (13 credits)

ENGL& 101	English Composition I	5
or		
ENGL 150	Vocational/Technical/Business Writing	5
MATH 100	Vocational/Technical Math (or above)	5
PSYC& 100	General Psychology	5
or		
PSYCH 106	Applied Psychology	3
or		
SOC& 101	Introduction to Sociology	5
Minimum Credits Required		37

Welding Basics Level 1
Certificate of Achievement

Core Courses (18 credits)

WELD 101	Related Welding I	6
WELD 102	Related Welding II	6
WELD 103	Related Welding III	6

Welding Basics Level 2
Certificate of Achievement

Prerequisite Requirements

Placement in ENGL 060, READ 080, a grade of “B” or better in MATH 060 or placement in MATH 100 or BMCT score of 38 or higher and instructor permission.

Core Courses (38 credits)

WELD 100	Welding Blueprint Reading	6
WELD 110	Beginning Welding	16
WELD 120	Intermediate Welding	16

Pipe Welding Level 3
Certificate of Achievement

Prerequisite Requirements

Placement in ENGL 060, READ 080, a grade of “B” or better in MATH 060 or placement in MATH 100 or BMCT score of 38 or higher and instructor permission.

Core Courses (32 credits)

WELD 130	Advanced Welding	16
WELD 240	Pipe Welding	16

Industrial Welding Level 4
Certificate of Achievement

Prerequisite Requirements

Placement in ENGL 060, READ 080, a grade of “B” or better in MATH 060 or placement in MATH 100 or BMCT score of 38 or higher and instructor permission.

Core Courses (32 credits)

WELD 245	Fabrication	16
WELD 250	Certification	16



Independent Study

Credit for Independent Study may be permitted under special circumstances. When an instructor agrees to supervise independent study that allows the student to pursue topics above and beyond regular course offerings. Courses are numbered as 290 series courses. An instructor may also agree to supervise an independent study for a regular course offering. A "Course Contract for Independent Study" must be completed by the student and the instructor and approved by the appropriate division chair and Vice President for Instruction.

Special Topics

Special Topics 199 and 299 are regular courses designed to deal with unique subjects or timely topics. These topics may be offered in any discipline, typically on a one-time basis. The purpose of these courses is to provide students with the opportunity to explore specialized subjects within a chosen field of study. Special Topics courses may vary from one to five credit hours. Prerequisites are determined on a course-by-course basis. Credits are variable. Special Topics 199 and 299 courses are not acceptable for fulfilling distribution requirements for any degree. They serve as general electives only.

Accounting

ACCT 113 5 Credits

Introduction to Accounting I

Prerequisites: READ 090, completion of or current enrollment in MATH 70 or instructor permission.

Theory and practice of double-entry bookkeeping and accounting for professional, service and merchandising business organizations. Coverage of both cash and accrual systems with preparation of worksheets, adjusting and closing entries, reversing entries, and financial statements. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ACCT 114 5 Credits

Introduction to Accounting II

Prerequisite: ACCT 113.

Introduction to accounting for partnerships and corporations. Valuation of receivables, inventories and plant equipment. Students complete a practice set. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ACCT 175 3 Credits

Business and Payroll Tax Accounting

Prerequisites: ACCT 113 or ACCT& 201 or instructor permission.

A study of the various aspects of federal, state and local taxes levied upon business. Emphasis placed on federal income and Social Security tax withholding, sales tax requirements and various state regulations regarding employee health, safety, unemployment insurance and business and occupation tax. Students will practice completion of various tax reports and maintenance of accurate tax related records. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ACCT 176 3 Credits

Computerized Accounting Functions

Prerequisites: ACCT 113 or ACCT& 201; CIS 102 or instructor permission.

Introduction to computer applications in an accounting environment. Students will analyze transactions, enter data into a computerized accounting system and prepare various financial reports. Included are integrated general ledgers, accounts receivable and payable, depreciation, inventory and payroll systems. 2 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

ACCT& 201 5 Credits

Principles of Accounting I

Recommended Preparation: CIS 102. *Prerequisites:* MATH 098 or placement in MATH& 107 or higher. Completion of ENGL 095 or placement in ENGL& 101 or instructor permission.

A foundation course for accounting program students and students planning to transfer to a four-year institution. The theory and practice of financial accounting are introduced and developed. Involves the measuring of business income and expenses, the accounting cycle, merchandising transactions, the sole proprietorship form of business organization and the relationship and preparation of the accounting statements. Includes emphasis on the accounting for current assets, property, plant and equipment. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

ACCT& 202 5 Credits

Principles of Accounting II

Prerequisites: ACCT& 201 or ACCT 114.

This course continues the study of financial accounting theory through the application of the basic concepts and principles of the partnerships and corporation form of business organization. Includes the study of liabilities, time value of money, statement of cash flow, additional financial reporting issues and the analysis and interpretation of financial statements. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

ACCT& 203 5 Credits**Principles of Accounting III***Prerequisite: ACCT& 202.*

A study of accounting information and its application and uses within the business organization. Includes the study of manufacturing operations with emphasis on determination, behavior and control of costs, cost-volume-profit analysis, budgeting and responsibility accounting, and management decision making for pricing, capital expenditures and short-run analysis. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

ACCT 220 5 Credits**Federal Income Tax I***Prerequisite: ACCT 113 or ACCT& 201 or instructor permission.*

An introduction to the basic concepts of the Internal Revenue Code as applied to individual and sole proprietorship-small business tax problems. The course involves integrating concepts and the application of recent laws and regulations to the preparation of 1040 Individual Income Tax return; Schedule A, Itemized Deductions; Schedule C, Profit or Loss from Business, and depreciation methods. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

Adult Basic Education

BASED 010 0.5 Credit**Adult Basic Education Skills Orientation**

Students complete the CASAS ABE assessment in Reading and Math. During intake they identify short and long term goals and are placed into the appropriate Adult Basic Skills (ABE) course. This course does not meet any degree requirements.

BASED 013 Variable Credits**Integrated Basic Skills***Prerequisites: Appropriate CASAS assessment score.*

This is an integrated adult education (ABE) course for students placing into ABE 1-6. The course is based on the Washington State Learning Standards, covering reading, writing and computational skills with a goal to improve basic skills. Upon completion of BASED 013 level 3, students may transition to BASED 014. This course does not meet any degree requirements.

BASED 014 Variable Credits**Advanced Basic Skills***Prerequisites: Appropriate CASAS assessment score.*

This is an integrated adult education (ABE) course for students placing into ABE 4-6. The course is based on the Washington State Learning Standards, covering reading, writing and computational skills with a goal to improve basic skills, or earn a General Education Development (GED). Upon completion of BASED 014, students can take the college placement test (CPT) and choose a transition pathway for college. This course does not meet any degree requirements.

Aids

AIDS 102 0.8 Credits**Health Care Perspective on AIDS***NOTE: This course is offered on an independent study basis. Students can enroll at any time through the end of the quarter.*

A workshop meeting WAMI, HIV, core curriculum requirements aimed at health care professionals to meet licensing requirements related to AIDS training.

Alcohol/Substance Abuse

ALSA 100 2 Credits**Medical Issues & Chemical Dependency**

This course is designed to educate students on the clinical picture, epidemiology, transmission modes and variables of medical issues and illnesses, managing personal fear and resistance concerning AIDS, and the implications of substance abuse on AIDS and other medical issues. This course meets the requirements as stipulated by the Washington State Department of Health for Chemical Dependency Professional Certification. 2 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ALSA 120 4 Credits**Pharmacology of Alcohol/Drugs**

The interaction of alcohol and other drugs in the human body; absorption, distribution, metabolism, mechanism of action, peripheral and central nervous system effect, interaction with other chemicals and physiological consequences of chronic high dosage use. 4 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ALSA 125 3 Credits**The Dysfunctional Family**

Examines major family counseling theories and their application to the family system that is being affected by and is affecting the chemically dependent person. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ALSA 136 3 Credits**Group Dynamics**

This course is an introduction to the principles of group process with emphasis on group counseling with chemically dependent clients. By its very nature a course in group counseling must be experiential. All students will be expected and encouraged to participate in the group activities. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ALSA 140 **3 Credits****Chemical Dependency/Case Management**

This course introduces the student to the role of case management in human services. Models of case management and the varying roles of the counselor/case manager are examined. The student will learn approved methods of managing client record documentation, information gathering, processes, treatment planning and interfacing with community agencies. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ALSA 209 **2 Credits****Law/Ethics Chemical Dependency**

This course will cover the appropriate interaction between chemical dependency counselors and consumers of chemical dependency treatment. Ethical principles will be applied in a chemical dependency context, and relevant WACs will be covered. Washington State requires that Chemical Dependency professionals take a course pertaining to ethics in chemical dependency treatment. 2 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ALSA 210 **2 Credits****Chemical Dependency Treatment and The Law**

The course will cover the interaction of alcohol/drug treatment facilities and the various elements of the judicial system. A primary focus will be the legal responsibility of individual chemical dependency counselors. Washington State requires that Chemical Dependency professionals take a course pertaining to the legal system. 2 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ALSA 211 **2 Credits****Relapse Prevention**

The course will focus on relapses in chemical dependency treatment. Preventing and dealing with relapses will be a special focus. The stages of recovery in substance abuse treatment and the likelihood of relapse in treatment will also be covered. Washington State requires that Chemical Dependency professionals take a course in this area. 2 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ALSA 212 **2 Credits****Youth Chemical Dependency Assessment/Counseling**

This course will focus on youth chemical dependency counseling and assessment. At-risk youth will be a particular focus along with family issues, assessment, and treatment planning. Washington State requires that Chemical Dependency professionals take a course in this area. 2 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ALSA 270 **4 Credits****Alcohol/Substance Abuse Counseling**

Students learn basic communications, interview and assessment skills as used in community mental health settings. Development of beginning-level counseling skills and awareness of unique qualities each brings into the helping profession. This course will review the major therapeutic approaches including client-centered therapy, rational-emotive therapy, reality therapy, gestalt therapy, and transactional analysis. Includes some demonstration of techniques associated with the therapies. 4 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

HSSA& 101 **4 Credits****Introduction to Addictive Drugs**

Introduction to the physiological, psychological and sociological aspects of alcoholism and drug abuse. Analyzes patterns of dependency and addiction associated with prescription, over-the-counter, and illegal substances. Explores methods of prevention, assessing the degree of involvement with alcoholism and drugs. 4 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

Allied Health

AHLTH 150 **5 Credits****Comprehensive Medical Terminology**

Prerequisite: READ 090 or placement in college level reading.

This course presents a comprehensive systems approach to the study of selected roots, prefixes, and suffixes; principles of word building; study of diagnostic, operative, and symptomatic terms of the various systems of the body. There is an emphasis on accurate spelling and pronunciation of all medical terms. Study includes common medical abbreviations, selected eponyms, clinical laboratory procedures and radiology procedures with associated terminology for each body system. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

American Sign Language

ASL 196 **3 Credits****Beginning Sign Language I**

This course is the first in a series of three which introduces students to American Sign Language (ASL) grammar, finger-spelling, numbers, Deaf culture and history in North America. ASL is the language used predominantly by the Deaf communities in the U.S. and Canada. This beginning course is designed to provide non-native signers an opportunity to sign. May be used as a general elective in the AA degree.

ASL 197 **3 Credits**
Beginning Sign Language II

Prerequisite: ASL 196 or instructor permission.

This course is the second in a series of three which introduces students to American Sign Language (ASL) grammar, finger-spelling, numbers, Deaf culture and history in North America. ASL is the language used predominantly by the Deaf communities in the U.S. and Canada. This beginning course is designed to provide non-native signers an opportunity to sign. May be used as a general elective in the AA degree.

ASL 198 **3 Credits**
Beginning Sign Language III

Prerequisite: ASL II or instructor permission.

This course is the third in a series of three which introduces students to American Sign Language (ASL) grammar, finger-spelling, numbers, Deaf culture and history in North America. ASL is the language used predominantly by the Deaf communities in the U.S. and Canada. This beginning course is designed to provide non-native signers an opportunity to sign. May be used as a general elective in the AA degree.

Anthropology

ANTH& 100 **5 Credits**
Survey of Anthropology

Recommended Preparation: ENGL 095 or placement in ENGL& 101.

Survey of the fields which make up anthropology: physical anthropology, archeology, prehistory and beginning of history including the earliest cultures and civilizations; ethnology/social anthropology, living and recent societies of the world. 5 lecture hours. Satisfies social science distribution area C requirement or specified elective for the AA degree.

ANTH& 204 **5 Credits**
Archaeology

Prerequisite: A grade of "C" or better in ENGL& 101 or instructor permission.

This introduction to Archaeology on-line course explores the history, field practices, and objectives of archaeology, with an effort to understand how archaeologists do what they do, and why they do what they do. You will become familiar with the general terminology, principles and methods of archaeology, including excavation, site survey, laboratory analysis, ethno archaeology, archaeological experimentation, and the theoretical reconstruction of past societies. You will examine the controversies and political issues within the field of archaeology, and be able to develop your own opinions on these issues based upon your personal, cultural, and educational backgrounds. The overall goal is to begin training students to qualify as Cultural Resource Technicians for Native American communities. 5 lecture hours. Satisfies specified elective requirements for the AA degree.

ANTH& 206 **5 Credits**
Cultural Anthropology

Prerequisite: ANTH& 100 or SOC& 101 or instructor permission. .

The study of cultural traditions in various sections of the world, leading to an understanding of cultural differences and similarities. Emphasis will be placed upon anthropological examples of human behavior in societies that contrast with Western civilizations. 5 lecture hours. Satisfies social science distribution area C requirement or specified elective for the AA degree.

ANTH& 210 **5 Credits**
Indians of North America

Prerequisite: A grade of "C" or better in ENGL& 101 or instructor permission.

Native American Cultures and Culture Contact provides a general view of the variations in the lifeways of the Native Americans up to current times. Major Native American culture areas are visited and discussed in a broad comparative content. We examine current indigenous and scientific thoughts about the origins, development and variation of North American Native culture areas. We also examine current issues and legal contexts, with a particular focus on cultural resource management (CRM) and the laws applied throughout North America and their continuing applications in attempts to protect cultural resources. This vocationally oriented course is intended to train students to become familiar with the available information compiled concerning the past and present peoples of Native North America. It is important for Cultural Resource Technicians being trained in these classes (CRTs) to become quite familiar with what has been written about past and present peoples, so that they can help build, improve and correct upon these perspectives. 5 lecture hours. Satisfies specified elective requirement for the AA degree.



ANTH 220 **5 Credits****Pacific Northwest Coast Peoples**

Prerequisite: A grade of "C" or better in ENGL 101 or instructor permission.

Pacific Northwest Coast Peoples - Past and Present examines current indigenous and scientific thoughts about the origins, development and variation of Pacific Northwest cultures. We consider at least 12,000 years of cultural history in the Northwest Coast region, leading to one of the culturally most complex maritime societies to have existed in contemporary times. Pacific Northwest Coast Peoples, rich in culture, tradition and with an extensive knowledge of the environment they occupy, are recorded with mile-long villages containing as many as 1,000 inhabitants, monumental construction in both homes, canoes and art, and highly complex societies, consisting of nobles, commoners and slaves. We will discuss how these cultures shape modern life throughout this region today. This vocationally oriented course is intended to train students to become familiar with the available information compiled concerning the past and present peoples of the Pacific Northwest Coast. It is important to become quite familiar with what has been written about past and present peoples, so that they can help build, improve and correct upon these perspectives. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

Art

ART& 100 **5 Credits****Art Appreciation**

Recommended Preparation: ENGL& 101. *Prerequisites:* ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading.

A study of the basic elements of visual form and their application to the variety and richness of art. Traditional and contemporary art from around the world, including architecture, design, painting, photography, and sculpture are examined in ways that provide meaningful responses to form and content. The broad objective of this course is for the student to recognize and become conversant with the basic concepts, styles, terminology, and elements of visual art. Major examples of two- and three-dimensional art will be examined and discussed. 5 lecture hours. Satisfies humanities distribution area A requirement or specified elective for the AA degree.

ART 101 **5 Credits****Drawing I**

Prerequisite: ENGL 095 or placement in ENGL& 101.

A practical introduction to the methods, materials and visual elements necessary to draw from life. The basic skills and vocabulary of representing visual elements are necessary to draw from life. The basic skills and vocabulary of representing visual observations will be discussed, demonstrated and practiced. This course is an exploration of concepts and techniques basic to representational drawing. Projects chosen by the instructor will develop, through observation, the skills applicable to perspective drawing, landscape, still life, the human figure, and graphic layout. Through demonstration, critique, and problem-solving, students will be exposed to the traditions of two-dimensional representation in black and white including the elements of composition, proportion, values, contours, cross-contours, chiaroscuro and basic perspective. 4 lecture hours; 2 studio hours. Satisfies humanities distribution area A requirement or specified elective for the AA degree.

ART 102 **5 Credits****Drawing II**

Prerequisites: ART 101 or ART 104.

Further application of the principles, materials, and methods presented in ART 101 with increased emphasis on effective development of form, volume and expressive composition. This course is designed to extend basic skill levels and encourage more individual application of the skills, basic principles, terminology, and techniques of representational drawing developed in ART 101. Through demonstration, critique, and individual problem-solving, students will further their understanding of the traditions of two-dimensional representation in black and white using the familiar elements of composition, proportion, values, contours, cross-contours, chiaroscuro and basic perspective. 4 lecture hours; 2 studio hours. Satisfies specified elective requirement for the AA degree.

ART 103 **5 Credits****Drawing III**

Prerequisites: ART 102.

Advanced study of principles and methods of observational drawing with special attention to traditional concepts and contemporary forms. In addition to studio assignments, independent projects will be developed jointly by student and instructor. This course is designed to encourage more individual application of the skills, basic principles, terminology, and techniques of representational drawing developed in ART 101 and 102. Drawing from observation and the in-class study of visual relationships will continue to be emphasized as well as synthesizing images from a variety of other sources. 4 lecture hours; 2 studio hours. Satisfies specified elective requirement for the AA degree.

ART 104 **5 Credits**
Design I

Recommended Preparation: ENGL& 101.

Prerequisite: ENGL 095 or placement in ENGL& 101.

A practical introduction to the basic elements, techniques, and principles of two-dimensional visual art with an emphasis on projects using line, shape, pattern, and interval in black and white. This course introduces the visual principles essential to all graphic design and the visual aspects of web design and desktop publishing. Use of the personal computer as a design tool is encouraged. The basic goals of this course are for the student to learn the elements of the form-language, become aware of traditional practices and materials, and develop concepts and skills useful in graphic problem-solving. 4 lecture hours; 2 studio hours. Satisfies humanities distribution area A requirement or specified elective for the AA degree.

ART 105 **5 Credits**
Design II

Recommended Preparation: ENGL& 101.

Prerequisites: ART 101 or ART 104.

An extended exploration of the basic elements, techniques, and principles of the basic elements and principles of visual art introduced in ART 101 and ART 104 with an emphasis on color and three-dimensional design problems. The objective of this studio course is to develop practical understanding of the basic elements and complexities of color perception, color terminology, additive and subtractive color, the application of color concepts to visual problem solving, volume, mass, planes, geometric figures, expressive three-dimensional forms and the effects of color on three-dimensional structures. The sequence of assignments provides the experience to execute and evaluate design problems of increasing complexity. 4 lecture hours; 2 studio hours. Satisfies humanities distribution area A requirement or specified elective for the AA degree.

ART 251 **5 Credits**
Painting I

Prerequisites: ART 101 or ART 104 or instructor permission; ENGL 095 or placement in ENGL& 101.

Introduction to painting materials and techniques. Emphasis upon acquiring skills in color mixing, paint handling, and visual observation to form expressive compositions. This is an introductory course to acquaint the student with representational means of expression with the use of pigments and concepts of color mixing. It is designed to develop a practical understanding of painting based on traditional concepts, techniques, vocabulary, and materials. 4 lecture hours; 2 studio hours. Satisfies specified elective requirement for the AA degree.

ART 252 **5 Credits**
Painting II

Prerequisite: ART 251 or instructor permission.

Continuation of ART 251 with an emphasis on the observation and use of color and value in forming effective visual statements. Presentation and visual analysis of master paintings will be integrated with the development of individual work to further acquaint the student with representational means of expression, with greater variety in the use of pigments and concepts of color and composition. It is designed to further develop a practical understanding of painting based on traditional concepts, techniques, vocabulary, and materials. 4 lecture hours; 2 studio hours. Satisfies specified elective requirement for the AA degree.

ART 260 **5 Credits**
Introduction to Printmaking

Prerequisites: ART 101 or ART 104 or instructor permission; ENGL 095 or placement in ENGL& 101.

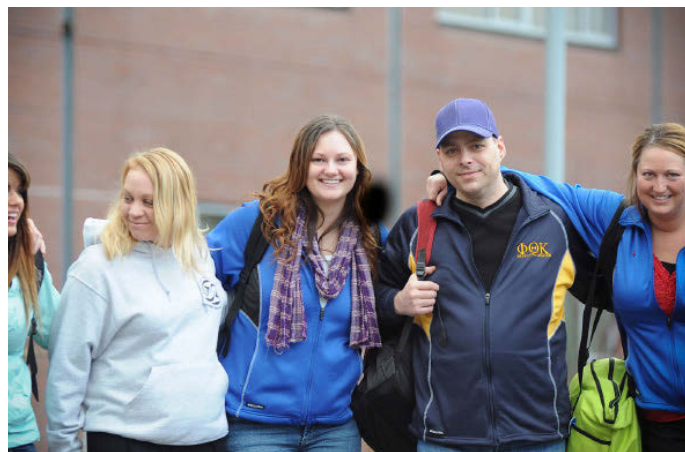
A practical introduction to the history and methods of printmaking with special attention to relief printing in wood and linoleum, monotypes, and intaglio processes. Studio assignments and projects will include work in multi-color registration and black and white. The sequence of assignments is designed to increase the student's ability to control the visual relationships in many forms of printmaking related to a personal choice of imagery and subject matter. 4 lecture hours; 2 studio hours. Satisfies specified elective requirement for the AA degree.

Astronomy

ASTR& 100 **5 Credits**
Astronomy

Prerequisite: MATH 098 or placement in college level math.

This course provides an introduction to the universe beyond the Earth. The course begins with a study of the night sky and the history of astronomy. The course then explores the various objects seen in the cosmos beginning with a study of the solar system followed by stars, galaxies, and the evolution of the universe itself. 5 lecture hours. Satisfies science distribution area E requirement or specified elective for the AA degree.



Automotive Technology

AUTO 111 16 Credits

Brakes/Suspension/Steering

Prerequisites: Placement in MATH 060, ENGL 060 and READ 080; **and** instructor permission.

The foundation of Automotive Technology provided in this course includes a study of safety rules and procedures, use of shop tools, equipment, steering, suspension, and alignment procedures currently in use by the automotive industry. This course provides theory and application of conventional and strut-type suspension systems and modern braking systems. The student is introduced to conventional and rack and pinion types of steering systems, applies two-wheel and four-wheel alignment procedures, applies tire and wheel balance procedures. The second part of this course is a study of brakes and brake control systems, including brake system hydraulics and hardware. The student will practice brake service procedures, brake performance, diagnostic, and troubleshooting methods. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

AUTO 112 16 Credits

Electrical/Electronics/ABS

Prerequisites: Placement in MATH 060, ENGL 060 and READ 080; **and** instructor permission.

An introduction to the fundamental laws of electricity and the principles of magnetism and induction. The course will include a study of Ohm's Law as well as electrical circuit schematic reading, wire repair and use of electrical test equipment. Also included will be a study of the automotive batteries, starting systems and charging systems. The second portion of this course includes the principles of Anti-Lock brake systems. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

AUTO 113 16 Credits

Engines/Electrical/Tune-up/Ignition

Prerequisites: Placement in MATH 060, ENGL 060 and READ 080; **and** instructor permission.

The student will be introduced to engine construction, valve and camshaft arrangements, cooling systems, and lubrication systems. The student will use applications of engine teardown/reassembly methods, measurement techniques, and part wear/failure analysis to make diagnosis of engine systems. Ignition systems in current use, tune-up and troubleshooting with electrical and electronic test equipment will be emphasized. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

AUTO 211 16 Credits

Power Trains/Transmissions (Manual and Automatic)

Prerequisites: Placement in MATH 060, ENGL 060 and READ 080; **and** instructor permission.

This course is a study of the vehicle power train and methods of delivering power from the engine to the drive wheels. Topics of study will include details of power flow in a manual transmission/transaxle and automatic transmission/transaxle, gear ratios, driveline components and construction, differential components, clutch systems, transfer cases, and drive axles. Much emphasis will be given to diagnosis and troubleshooting techniques. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

AUTO 212 16 Credits

Fuel Systems/Electronic/Computer Controls

Prerequisites: Placement in MATH 060, ENGL 060 and READ 080; **and** instructor permission.

This course is an advanced study of the fuel management systems presently used in current emission, fuel economy and performance requirements of the modern automobile. The course includes an in-depth study of fuel injection systems used on domestic and foreign vehicles. Included in the class will be identification of components, on car diagnosis, replacement of components. Utilization of modern test equipment such as scanners and analyzers will be stressed. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

AUTO 213 16 Credits

Advanced Engine Performance/Air Conditioning/ Heating/Shop Management

Prerequisites: Placement in MATH 060, ENGL 060 and READ 080; **and** instructor permission.

This course is an advanced study of the equipment that is used in diagnosing the modern automobile. This course will include the use of diagnostic equipment such as, current industry engine analyzers, lab scopes, scanners, multi-gas analyzers and various meters and sensor testers. A study of the principles of refrigeration, and the heating and air conditioning systems currently used by the automotive industry including manual, semiautomatic, and automatic systems. The course will include details of the electrical control circuits for the compressor, blower, and coolant fan(s). The description, purpose and function of air conditioning system components are explained in this course, and service and repair procedures will be presented and practiced by the student. Safety procedures for handling R-12 and 134-A are discussed. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

Biological Science

BIOL& 100 **5 Credits****Survey of Biology**

Recommended preparation: READ 090 or placement in college level reading; Prerequisites: ENGL 095 or placement in ENGL& 101; concurrent enrollment in BIOL& 100 Lab.

This is an introductory biology course intended for non-majors and will not serve as prerequisite for other biology courses. The course deals with the process of science, evolutionary concepts, and modern applications in biology and bioethics. 4 lecture hours; 2 lab hours. Satisfies science or lab requirement area A distribution or specified elective for the AA degree.

BIOL 109 **5 Credits****Plants of Western Washington with Lab**

This course covers the identification and classification of higher plants found in Western Washington. The course is suitable for both biology majors and non-majors. 3 lecture hours; 4 lab hours. Satisfies science or lab requirement area A distribution or specified elective for the AA degree.

BIOL 118 **5 Credits****Human Biology**

Prerequisites: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading; MATH 070 or placement in MATH 095 or higher.

This one-quarter course is a survey of human anatomy and physiology. The student will learn how the body is put together and how it functions in health as well as disease. Students will also identify lifestyle changes that can enhance personal health. For non-majors and allied health students. 4 lecture hours; 3 lab hours. Satisfies science or lab requirement area A distribution or specified elective for the AA degree.

BIOL 140 **5 Credits****Ecology with Lab**

Recommended Preparation: BIOL& 100 or BIOL& 160. Prerequisites: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading; MATH 095 or placement in MATH 098 or higher.

A study of the interactions of plants, animals and other organisms with their environments, the nature of ecosystems, population dynamics, and the human impact on the environment. Lab sessions will include ecological field study. 3 lecture hours; 4 lab hours. Satisfies science or lab requirement area C distribution or specified elective for the AA degree.

BIOL& 160 **5 Credits****General Biology with Lab**

Recommended preparation: READ 090 or placement in college level reading; Prerequisites: ENGL 095 or placement in ENGL& 101; MATH 095 or placement in MATH 098 or higher; concurrent enrollment in BIOL& 160 Lab.

An introduction to the processes and principles that are common to all living things. The chemistry of life, cell structure and function, molecular basis of heredity, Mendelian genetics, and evolutionary theory are covered. This course is intended for, but not limited to, students intending to continue in biology or the health sciences. 4 lecture hours; 2 lab hours. Satisfies science or lab requirement area A distribution or specified elective for the AA degree.

BIOL& 221 **5 Credits****Biological Science I: Evolution and Ecology**

Prerequisites: One year of high-school biology or instructor permission. READ 090 or placement in college level reading. MATH 098 and CHEM& 161 recommended.

The first course in a three-quarter sequence for students intending to take advanced courses in the biological sciences or to enroll in pre-professional health programs. The course covers principles of Mendelian genetics, evolution, diversity, and ecology. 4 lecture hours; 3 lab hours. Satisfies science or lab requirement area A distribution or specified elective for the AA degree. Offered spring quarter.

BIOL& 222 **5 Credits****Biological Science II: Molecular and Cell Biology**

Prerequisites: A grade of "C" or better in BIOL& 221 and in CHEM& 121 or CHEM& 161 or instructor permission.

The second course in a three-quarter sequence for students intending to take advanced courses in the biological sciences or to enroll in pre-professional health programs. The course covers the structures and functions of biomolecules and cells, cell division, molecular genetics and gene expression, biotechnology, and the genetics of development. 4 lecture hours; 3 lab hours. Satisfies science or lab requirement area A distribution or specified elective for the AA degree. Offered fall quarter.

BIOL& 223 **5 Credits****Biological Science III: Plant/Animal Anatomy/Physiology**

Prerequisites: A grade of "C" or better in BIOL& 222 or instructor permission.

The third course in a three-quarter sequence for students intending to take advanced courses in the biological sciences or to enroll in pre-professional health programs. The course covers basic botanical and zoological concepts, emphasizing structure and function with the central theme being evolution and diversity. 4 lecture hours; 3 lab hours. Satisfies science or lab requirement area A distribution or specified elective for the AA degree. Offered winter quarter.

BIOL& 241 5 Credits**Human Anatomy and Physiology I**

Prerequisite: BIOL& 160 and CHEM& 121 with a grade of "C" or better and concurrent enrollment in BIOL& 241 Lab.

An integrated study of the structure and function of the human body. The following systems are studied: integumentary, skeletal, muscular and nervous. 4 lecture hours; 3 lab hours. Satisfies specified elective requirement for the AA degree.

BIOL& 242 5 Credits**Human Anatomy and Physiology II**

Prerequisites: Grade of "C" or better in BIOL& 160 or BIOL& 221 within the last 5 years and a grade of "C" or better in BIOL& 241 within the last 5 years.

A continued study of the structure and function of the human body. The following systems are studied: the cardiovascular, lymphatic, respiratory, urinary, water balance, pH, and reproductive. 4 lecture hours; 3 lab hours. Satisfies specified elective requirement for the AA degree.

BIOL& 260 5 Credits**Microbiology with Lab**

Prerequisite: BIOL& 160 and CHEM& 121 with a grade of "C" or better and concurrent enrollment in BIOL& 260 Lab.

Basic microbiological concepts and techniques. The role of microorganisms in health and disease. 4 lecture hours; 4 lab hours. Satisfies science or lab requirement area A distribution or specified elective for the AA degree.

Business

BUS& 101 5 Credits**Introduction to Business**

Prerequisites: Math 060 and READ 080 or instructor permission.

Introduction to Business is a general course designed to provide an understanding of how the American business system operates and its place in the economy. The course provides background for more effective and better use of business services in personal affairs as well as foundation for future courses in various business programs. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

BA 104 3 Credits**Mathematics for Business**

Prerequisite: MATH 070, placement in MATH 095 or instructor permission.

Review of basic arithmetic and algebraic fundamentals and their application to typical business problems. A practical mathematical approach to business problems, such as cash and trade discounts, commissions, simple and compound interest, markups and markdowns, net present values, and insurance rates, etc., will be employed. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

BA 124 1-5 Credits**Cooperative Work Experience**

Prerequisite: Instructor permission.

This course involves supervised work experience for freshmen as a practicum for full-time job preparation. Students work in an office or other business environment five to twenty-five hours per week. Vocational program course. May be used as a general elective in the AA degree.

BA 140 3 Credits**Business English**

Prerequisite: A grade of "C" or better in ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading.

The study of English grammar, spelling, and punctuation as particularly applied to business applications. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

BA 150 5 Credits**Fundamentals of Finance**

Prerequisites: BA 104; ACCT 113 or ACCT& 201 or instructor permission.

This course presents the basics of financial analysis, forecasting, operating and financial leverage, working capital, current asset management, short term financing, and investment options. Orientation will be towards small business and personal finance. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

BA 174 5 Credits**Small Business Management**

Prerequisites: READ 090; ENGL 095; MATH 070, ACCT 113 or ACCT& 201, or instructor permission.

A study of small business covering reasons for success and failure and a practical approach on how to start a small business and continue successfully. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

BUS& 201 5 Credits**Business Law**

Prerequisite: READ 080 or instructor permission.

A study of the United States legal system, institutions and processes. Principles of the law of contracts, sales, property, negotiable instruments, secured transactions, agency and business organizations. Includes legal reasoning. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

BA 224 1-5 Credits**Advanced Cooperative Work Experience**

Prerequisite: BA 124 and instructor permission.

This course involves supervised work experience for sophomores as a practicum for full-time job preparation. Students work in an office or other business environment five to twenty-five hours per week. Vocational program course. May be used as a general elective in the AA degree.

BA 240 **5 Credits****Principles of Marketing**

Prerequisites: READ 090; ENGL 095 or instructor permission.

Inquiry into the institutions engaged in the movement of goods and services from producers to consumers. Primary emphasis on basic marketing with a managerial approach. Required for business management. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

BA 258 **5 Credits****Principles of Management**

Prerequisites: READ 090; ENGL 095 or instructor permission.

A study of leadership and executive behavior and how to develop a successful leadership style. Employee motivation, managerial environment, planning, controlling, and organizing are also studied. A "systems" approach to management is emphasized. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

Business Technology

BTECH 113 **5 Credits****Document Formatting**

Prerequisite: CIS 101 or keyboarding ability of 30 wpm or higher and CIS 100.

Students will learn rules for preparing business letters, memos, tables, forms, and various reports (including meeting minutes, agendas, and itineraries) using word processing software. Speed and accuracy in the preparation of mailable copy is emphasized. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

BTECH 115 **3 Credits****Electronic Math Applications**

Prerequisite: MATH 060 or instructor permission.

Students will learn the touch system on electronic calculators using special time-saving functions to solve math applications. Proficiency in speed and accuracy of the 10-key pad is emphasized. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

BTECH 117 **3 Credits****Medical Transcription**

Prerequisites: AHLTH 150 and BA 140.

This course reinforces medical terminology in anatomy and physiology by providing medical transcription practice utilizing word processing software and actual medical dictation. 2 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

BTECH 118 **3 Credits****Medical Transcription II**

Prerequisites: AHLTH 150; BTECH 117; or instructor permission.

This course is designed to enhance the medical transcription skills learned in BTECH 117 in order to obtain the highest accuracy level and the highest output level. 2 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

BTECH 124 **2 Credits****Keyboard Skillbuilding I**

Prerequisite: CIS 101 or keyboarding ability.

This individualized program builds keyboarding skills with a computer program that focuses on technique, speed, and accuracy through planned drill and practice exercises. 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

BTECH 125 **2 Credits****Keyboard Skillbuilding II**

Prerequisite: BTECH 124.

This individualized program builds keyboarding skills with a computer program that focuses on technique, speed, and accuracy through planned drill and practice exercises. 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

BTECH 126 **2 Credits****Keyboard Skillbuilding III**

Prerequisite: BTECH 125.

This individualized program builds keyboarding skills with a computer program that focuses on technique, speed, and accuracy through planned drill and practice exercises. 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

BTECH 131 **5 Credits****Access**

Prerequisite: CIS 102 or instructor permission.

This course teaches basic electronic database capabilities. The course emphasizes the skills necessary to create, edit and utilize a database. Filters, forms, queries and reports are covered. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

BTECH 132 **3 Credits****Medical Records - Insurance Billing and Coding**

Prerequisite: AHLTH 150 or concurrent enrollment or instructor permission.

Provides knowledge and skill in organizing and processing medical bills utilizing industry standard coding methods and manually completed CMS billing forms. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

BTECH 140 **5 Credits****Word Processing Applications**

Prerequisite: CIS 102 or instructor permission.

This course provides thorough coverage of text editing and formatting using word processing software. Tables, columns, styles, graphics, merge operations, and basic web design are covered. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

BTECH 150 **5 Credits**
Excel
Prerequisites: MATH 070; CIS 102 or instructor permission.
 This course teaches electronic spreadsheet capabilities in realistic private or business related problems. The course emphasizes the skills necessary to create, modify and print a worksheet and includes the use of functions, graphics, data lists, and other enhancements. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

BTECH 175 **3 Credits**
Medical Coding
Prerequisite: AHLTH 150 and BTECH 132 or instructor permission.
 This course is designed for medical office technology students and allied health professionals seeking to gain greater proficiency in medical coding. The course includes hands-on coding in ICD diagnostic coding, CPT Level I procedural coding and HCPCS Level II coding, covering a wide variety of medical specialties. 2 lecture hours; 2 lab hours.

BTECH 205 **5 Credits**
Records Information Management
Prerequisites: MATH 070 and CIS 102 or instructor permission.
 This course is a study of the principles of filing classification, storage, retrieval, and management of paper and electronic business records. Introduction to database software with hands-on practice in the maintenance and management of computerized databases. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

BTECH 220 **5 Credits**
Office Procedures and Ethics
Prerequisite: BTECH 113 and BA 140 or instructor permission.
 This is a finishing course for students taking the business technology curriculum. Instruction and practice of office standards, routines, and procedures are given. Telephone/FAX usage, mail processing, email, communication, and human relations skills are included. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

BTECH 252 **5 Credits**
Desktop Publishing
Prerequisite: CIS 140 or instructor permission.
 This course emphasizes professional use of desktop publishing software, including advanced text editing, in the production of various business documents. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

BTECH 253 **5 Credits**
Integrated Software Applications
Prerequisite: CIS 140, CIS 150, and BTECH 252 or instructor permission.
 This course is designed for the advanced student. It covers production jobs that would be expected of a secretary in an executive capacity utilizing integrated software packages. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

BTECH 254 **3 Credits**
Medical Office Computerized Information Processing
Prerequisite: AHLTH 150 or concurrent enrollment.
 The course is designed for the advanced student and includes computerized practice of actual medical office procedures utilizing Medisoft, the industry standard software. Students perform computerized simulations of patient processing from the scheduling call to the patient's final payment. 2 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

Carpentry Technology

CARP 121 **16 Credits**
Residential/Commercial Carpentry I
Prerequisites: Placement in MATH 060, ENGL 060, and READ 080; and instructor permission.
 A lecture-lab course to provide an introduction to safe work practices, work ethics, basic tool use, and carpentry concepts. Students may participate in the construction of a home on a working job site. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CARP 122 **16 Credits**
Residential and Commercial Carpentry II
Prerequisite: Completion of CARP 121 with a passing grade and instructor permission.
 A lecture-lab course to build upon the skills learned in CARP 121. Training increases skills and expands tasks learned in CARP 121. Students may participate in the construction of a home on a working job site. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CARP 123 **16 Credits**
Residential and Commercial Carpentry III
Prerequisite: Completion of CARP 122 with a passing grade and instructor permission.
 A lecture-lab course to build upon the skills learned in CARP 122. Training increases skills and expands tasks learned in CARP 122. Students may participate in the construction of a home on a working job site. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CARP 221 **16 Credits**
Residential and Commercial Carpentry IV
Prerequisite: Completion of CARP 123 with a passing grade and instructor permission.
 A lecture-lab course to build upon the skills learned in CARP 121-123. Training increases skills and expands tasks learned in CARP 121-123. Students may participate in the construction of a home on a working job site. Tasks are completed to industry standards and increase in complexity. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.



CARP 222 **16 Credits**

Residential and Commercial Carpentry V

Prerequisite: Completion of CARP 221 with a passing grade and instructor permission.

A lecture-lab course to build upon the skills learned in CARP 221. Training increases skills and expands tasks learned in CARP 221. Students may participate in the construction of a home on a working job site. Tasks are completed to industry standards and increase in complexity. Problem solving is emphasized. Leadership opportunities are presented. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CARP 223 **16 Credits**

Residential and Commercial Carpentry VI

Prerequisite: Completion of CARP 222 with a passing grade and instructor permission.

A lecture-lab course to build upon the skills learned in CARP 222. Training increases skills and expands tasks learned in CARP 222. Students may participate in the construction of a home on a working job site. Tasks are completed to industry standards and increase in complexity. Problem solving is emphasized. Leadership opportunities are presented. Course includes a capstone exam to ensure retention of competency in previous Carpentry Technology program topics. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

Chemistry

CHEM& 110 **5 Credits**

Chemical Concepts with Lab

Prerequisites: A grade of "C-" or better in MATH 095 or placement in MATH 098.

An introduction to the fundamental principles of chemistry and the predictive power chemistry provides. Topics include elements, compounds and mixtures; periodic properties of the elements; atomic theory and structure; molecular structure and chemical bonding; chemical notation and nomenclature; mass and molar relations; chemical reactions and the mass and energy changes accompanying them; simple thermodynamics; equilibrium, equilibrium constants and kinetics; properties of gases, liquids, solids, and solutions; properties of acids, bases, and pH; connections between chemistry and daily life. 4 lecture hours; 2 lab hours. Student may not receive credit for both CHEM& 110 and CHEM& 121. Satisfies science or lab requirement area B distribution or specified elective for the AA degree. This course does not meet the chemistry requirement for the Associate in Applied Science Nursing degree.

CHEM& 121 **5 Credits**

Introduction to Chemistry with Lab

Prerequisites: A grade of "C-" or better in MATH 095 or placement in MATH 098.

A survey of general chemical principles, including elements and compounds, atomic structure and periodic properties, chemical reactions, energy, equilibrium and kinetics, solutions, acids and bases, and nuclear chemistry. This course is intended for allied health and natural resources majors, as well as those students pursuing an AA degree. It also serves as the prerequisite for CHEM& 161 for students who have not completed one year of high school chemistry. This course, with CHEM& 131, constitutes a terminal sequence in chemistry and does not prepare a student for a second year of chemistry. 4 lecture hours; 2 lab hours. Satisfies science or lab requirement area B distribution or specified elective for the AA degree.

CHEM& 131 **5 Credits**

Introduction to Organic/Biochemistry with Lab

Prerequisites: A grade of "C-" or better in CHEM& 121 or instructor permission.

A continuation of CHEM& 121. A survey of organic and biochemistry including hydrocarbons, alcohols, aldehydes and ketones, acids and their derivatives, carbohydrates, proteins, nucleic acids, lipids and metabolism. This course does not prepare a student for a second year of chemistry. 4 lecture hours; 2 lab hours. Satisfies science or lab requirement area B distribution or specified elective for the AA degree.

CHEM& 161 **5 Credits**
General Chemistry with Lab I
Prerequisites: One year of high school chemistry or CHEM& 121 and concurrent enrollment in MATH& 141 or placement in MATH& 142.
 For science, engineering and other majors who plan to take a year or more of chemistry courses. Principles of general chemistry including atomic structure and periodic properties, stoichiometry, chemical reactions, thermochemistry, and electronic structure. Laboratory work emphasizes the quantitative nature of these principles. 4 lecture hours; 3 lab hours. Satisfies science or lab requirement area B distribution or specified elective for the AA degree.

CHEM& 162 **6 Credits**
General Chemistry with Lab II
Prerequisites: A grade of "C-" or better in both CHEM& 161 and MATH& 141 (or placement in MATH& 142).
 A continuation of general chemistry including bonding and molecular structure, states of matter, solutions, kinetics, equilibria, and acids and bases. Laboratory work includes elementary quantitative analysis. 4 lecture hours; 4 lab hours. Satisfies specified elective requirement for the AA degree.

CHEM& 163 **6 Credits**
General Chemistry with Lab III
Prerequisites: A grade of "C-" or better in CHEM& 162.
 A continuation of general chemistry including equilibrium in aqueous solutions, thermodynamics, electrochemistry, periodic properties of the elements, complexes, nuclear chemistry, and an introduction to industrial and organic chemistry. Laboratory work includes qualitative analysis. 4 lecture hours; 4 lab hours. Satisfies specified elective requirements for the AA degree.

CHEM& 261 **6 Credits**
Organic Chemistry with Lab I
Recommended Preparation: CHEM& 163. *Prerequisites:* A grade of "C-" or better in CHEM& 162.
 This course is designed as the first of a three-quarter sequence of organic chemistry for majors in physical and biological sciences and for pre-professional students. Structure, nomenclature, reactions and synthesis of hydrocarbons and their monofunctional derivatives are covered. 3 lecture hours; 6 lab hours. Satisfies specified elective requirement for the AA degree.

CHEM& 262 **6 Credits**
Organic Chemistry with Lab II
Prerequisites: A grade of "C-" or better in CHEM& 261 or instructor permission.
 This course is a continuation of CHEM& 261. Structure, nomenclature, reactions and synthesis of aldehydes, ketones and aromatic compounds. Grignard synthesis of alcohols. Free radical reactions. 3 lecture hours; 6 lab hours. Satisfies specified elective requirement for the AA degree.

CHEM& 263 **3 Credits**
Organic Chemistry with Lab III
Prerequisites: A grade of "C-" or better in CHEM& 262.
 This course is a continuation of CHEM& 262 for students desiring three quarters of organic chemistry. Topics include FMO theory, nonclassical carbocations, heterocycles, rearrangements, amino acids, lipids, carbohydrates, proteins and nucleic acids. 3 lecture hours; Satisfies specified elective requirement for the AA degree.

Chinese

See "Foreign Languages"

Commercial Truck Driving

CDL 100 **1 Credit**
Forklift Certification Training
Prerequisite: Concurrent enrollment in CDL program or instructor permission.

This class provides all the necessary instruction and training required by the forklift regulation and it prepares the student for the site-specific evaluation required by regulation (the forklift code requires that all forklift operators be evaluated by the employer operating forklifts in the actual work environment). Forklift operator certification is required every three years or sooner if the operator fails the evaluation; uses unsafe behavior; or has an accident or near miss. Training is completed in one day. 1 lecture hour.

CDL 101 **8 Credits**
Commercial Driver's License Training

Prerequisites: Entry into the 15-week CDL program requires a separate application obtained from the Workforce Education Office (360-538-4011). CDL 101, 150, 160, 175, and 185 must be completed with a grade of "C" or better to obtain a Class A license. Concurrent enrollment in all CDL program courses and instructor permission.
 Training for entry-level long haul truck driving jobs and CDL testing includes: classroom instruction in FMCSR rules and regulations; mechanical overview of tractors and trailers; safety; defensive driving; FMCSR log book rules; trip planning; managing life on the road, and communication are stressed. This course is designed to teach the student the basic skills and knowledge to successfully operate a Commercial Motor Vehicle in interstate commerce. 8 lecture hours.

CDL 150 **2 Credits**
Range Operations and Equipment
Prerequisites: Concurrent enrollment in all CDL program courses or instructor permission.
 Students will gain knowledge and skills in the areas including, but not limited to, tractor/trailer equipment, control systems, pre-trip inspections, coupling/uncoupling, and backing. 1 lecture hour, 2 lab hours.

CDL 160 **6 Credits****Range Operations and Beginning Over the Road**

Prerequisites: Concurrent enrollment in all CDL program courses or instructor permission.

Students will gain knowledge and skills in the areas including, but not limited to, safety, spacial awareness, visual search, putting the vehicle in motion, shifting gears, cornering, and uphill/downhill techniques. With demonstrated proficiencies in these basics the student will be introduced to Over the Road Driving. 2 lecture hours, 8 lab hours.

CDL 175 **5 Credits****Range Operations and Maneuvers**

Prerequisites: Concurrent enrollment in all CDL program courses or instructor permission.

Students will gain knowledge and skills in areas including, but not limited to, straight backing, off-set backing (parallel), 90 degree sight-side backing, and other maneuvers as determined. 2 lecture hours, 6 lab hours.

CDL 185 **3 Credits****Over the Road Driving**

Prerequisites: Concurrent enrollment in all CDL program courses or instructor permission.

Students will gain knowledge and skills in the areas including, but not limited to, safety, rural driving, hazard perception, and city driving. Extreme driving conditions will be discussed. 1 lecture hour; 4 lab hours.

Computer Information Systems

CIS 100 **2 Credits****Introduction to Personal Computers**

This is a basic computer literacy course designed to provide a beginning level of competency in using personal computers as productivity tools. Hardware and software components will be introduced. Students will learn the purpose and uses of operating systems and word processing with Word. This course is graded Pass/Fail. 1 lecture hour; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 101 **2 Credits****Keyboarding**

This course is designed to teach students the touch system in using the computer keyboard. 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 102 **3 Credits****Introduction to Microsoft Office**

Recommended Preparation: CIS 100 and CIS 101 or concurrent enrollment. *Prerequisite:* READ 080.

This course introduces Microsoft Office Suite and emphasizes hands on experience. Students will work with various applications including electronic spreadsheets, word processing and presentation software. 2 lecture hours; 2 lab hours.

Vocational program course. May be used as a general elective in the AA degree.

CIS 125 **5 Credits****Internet Fundamentals**

Prerequisite: CIS 102 with a grade of "C" or better or instructor permission.

The goal of this course is to provide an introduction to the Internet, Web Browsers, Email clients and current Social Media applications. This course prepares students to work with and understand the basic concepts and terminology associated with the tools we use today when working with the Internet. It further exposes students to the web based applications that enhance business information systems. Students will learn how to use and configure a web browser, how to use email, how to use social networking and Web 2.0 applications and finally be able to put together a basic web page using HTML tags. Security issues related to web use will also be emphasized. Optional lab components will be used to enhance student learning. 3 lecture hours, 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

CIS 251 **5 Credits****Management Information Systems**

Prerequisites: BA 104 or MATH& 107 or higher; CIS 125 or instructor permission.

Elements of information processing systems are covered with emphasis on design, development and management of computer-based information systems. Extensive use of online activities will be utilized. The course looks at how a modern organization collects, distributes, organizes and manages information. The approach will be sociotechnical, i.e. both technical and behavioral considerations will be examined. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

Criminal Justice

CJ& 101 **5 Credits****Introduction to Criminal Justice**

Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading or instructor permission.

A survey of the historical development of the criminal justice system to present-day practices. This course studies the development of the police, courts and correctional agencies in meeting the demands society has placed on them. Students will explore career opportunities at the federal, state and local levels. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

CJUS 104 **5 Credits****The Line Officer Function: Police and Corrections**

Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading or instructor permission.

An in-depth look at the basic duties and functions of police officers and correctional officers in cities and counties throughout the nation. Students will examine the responsibilities of the police and corrections from violator contact and arrest, through the court process. Discussions will focus on police encounters with the public, and the methods used by correctional officers in their dealing with prisoners. Emphasis will be placed on the impact that police and corrections have on our community today. 5 lecture hours. May be used as a general elective in the AA degree.

CJUS 151 **5 Credits****Drugs and Our Society**

Recommended Preparation: Placement in ENGL 095.

This class is designed to give students a basic understanding of all classifications of drugs. Topics to be covered include the biology of drug action, effects of drugs on the body, dependence and treatment, alternatives to drug use, and drugs and the law. Types of drugs discussed will range from prescription drugs, to alcohol, to illegal drugs, and over-the-counter drugs. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

CJUS 201 **5 Credits****The Art of Public and Private Investigation**

Prerequisite: CJ& 101 or instructor permission.

Students will gain an understanding of the need for investigative services and how they impact our present-day society. The investigative techniques used by police, correctional investigators, juvenile officers, probation and parole, state agency investigators, and private investigators will be examined. Students will become aware of sources for information and the scientific aids that are available to assist in case completion. Investigation theories will be examined and students will become familiar with the process of scientific reasoning. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

CJUS 258 **1-5 Credits****Criminal Justice Internship**

Prerequisites: CJ& 101; POL S 102 or instructor permission. Interns must also meet the requirement set forth by the agency selected.

On-the-job training experience within a criminal justice agency. Interns work from 55 to 250 hours with or without remuneration. Vocational program course. May be used as a general elective in the AA degree.

Diesel Technology**DT 121** **16 Credits****Introduction to Diesel Technology**

Prerequisite: Placement in MATH 060, READ 80 and ENGL 060; and instructor permission.

A lecture-lab course to provide an introduction to safe shop work practices, work ethics, basic tool use, and introduction to basic mechanical tasks. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

DT 122 **16 Credits****Intermediate Diesel Technology**

Prerequisite: Completion of DT 121 with a grade of "C" or better and instructor permission.

A lecture-lab course to build upon skills learned in DT 121. The course promotes work habits and safe work practices. Training increases skills and expands tasks learned in DT 121. Projects are completed to industry standards. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

DT 123 **16 Credits****Advanced Diesel Technology**

Prerequisite: Completion of DT 122 with a grade of "C" or better and instructor permission.

A lecture-lab course to build upon skills learned in DT 122. This course continues to promote work habits and safe work practices. Advanced Diesel Technology projects are completed to industry standards. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

DT 221 **16 Credits****Diagnostics, Testing and Repair**

Prerequisite: Completion of DT 123 with a grade of "C" or better and instructor permission.

A lecture-lab course to build upon skills learned in DT 121 through DT 123. Individual projects are assigned that will challenge the student and expand upon the skills learned in DT 121 through DT 123 and introduces diagnostics, testing, and problem solving to the student. Individual projects are completed to industry standards. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

DT 222 **16 Credits****Advanced Diagnostics, Testing and Repair**

Prerequisite: Completion of DT 221 with a grade of "C" or better and instructor permission.

A lecture-lab course to build upon skills learned in DT 121 through DT 221. This course will see Advanced Individual Projects assigned to students that will emphasize diagnostics, testing, and problem solving by the student and will replicate, as close as possible, real world shop conditions for the student to work in. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

DT 223 16 Credits**Certification and Testing**

Prerequisite: Completion of DT 222 with a grade of "C" or better and instructor permission.

A lecture-lab course to build upon and confirm the diesel mechanics skills learned in DT 121 through DT 222. Course covers selected industry certification test requirements, procedures, and standards. Successful students will practice and pass selected ASE certification tests. Testing fees may apply for each certification test. Course includes a written and performance capstone exam to ensure retention of competency in previous Diesel Technology program course topics. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

Early Childhood Education

ECED& 100 3 Credits**Child Care Basics**

This course is designed to meet licensing requirements for early learning lead teachers and family home child care providers, STARS 30 hour basics course recognized in the MERIT system. Topics: child growth/development, cultural competency, community resources, guidance, health/safety/nutrition and professional practice. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ECED& 105 5 Credits**Introduction to Early Childhood Education**

Students will explore the foundations of early childhood education, examine theories defining the field, issues and trends, best practices, and program models. Observe children, professionals, and programs in action. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ECED& 107 5 Credits**Health, Safety, and Nutrition**

Students will develop knowledge and skills to ensure good health, nutrition, and safety of children in group care and education programs. They will learn to recognize the signs of abuse and neglect, responsibilities for mandated reporting, and available community resources. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ECED& 120 2 Credits**Practicum: Nurturing Relationships**

In an early learning setting students will apply best practice for engaging in nurturing relationships with children. The focus is on keeping children healthy and safe while promoting growth and development. 2 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ECED& 132 3 Credits**Infants and Toddlers – Nurturing Care**

Students will examine the unique developmental needs of infants and toddlers. Focus will be to study the role of the caregiver, relationships with families, developmentally appropriate practices, nurturing environments for infants and toddlers, and culturally relevant care. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ECED& 134 3 Credits**Family Child Care Management**

Students will learn the basics of home/family child care program management. Topics include: Licensing requirements; business management; relationship building; health, safety, & nutrition; guiding behavior and; promoting growth & development. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ECED& 139 3 Credits**Administration of Early Learning Programs**

Students will develop administrative skills required to develop, open, operate, manage, and assess early childhood education and care programs. Focus will be to explore techniques and resources available for Washington State licensing and National Association for the Education of Young Children (NAEYC) standard compliance. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ECED& 160 5 Credits**Curriculum Development**

Students will investigate learning theory, program planning, and the tools for curriculum development promoting language, fine/gross motor, social-emotional, cognitive and creative skills and growth in your children (birth-age 8). 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ECED& 170 3 Credits**Environments for Young Children**

Students will design, evaluate, and improve indoor and outdoor environments to ensure quality learning, nurturing, experiences, and to optimize the development of young children. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ECED& 180 3 Credits**Language and Literacy Development**

Students will develop teaching strategies for language acquisition and literacy skill development at each development stage (birth – age 8) through the four interrelated areas of speaking, listening, writing, and reading. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ECED& 190 3 Credits

Observation and Assessment

Students will collect and record observations of and assessment data in order to plan for and support the child, the family, the group, and the community. Students will practice reflection techniques, summarize conclusions, and communicate findings. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

EDUC& 115 5 Credits

Child Development

Students will focus on how to build a functional understanding of the foundation of child development, prenatal to early adolescence. They will observe and document physical, social, emotional, and cognitive development of children, reflective of cross cultural and global perspectives. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

EDUC& 130 3 Credits

Guiding Behavior

Students will examine the principles and theories promoting social competence in young children and creating safe learning environments. Focus will be on how to develop skills promoting effective interactions providing positive individual guidance, and enhancing group experiences. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

EDUC& 136 3 Credits

School Age Care Management

Students will develop skills to provide developmentally appropriate and culturally relevant activities and care, specifically: preparing the environment, implementing curriculum, building relationships, guiding academic/social skill development, and community outreach. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

EDUC& 150 3 Credits

Child, Family, and Community

Students working with children ages birth to eight years and their families will learn how to integrate the family and community contexts in which a child develops. The students will learn how to explore cultures and demographics of families in society, community resources, strategies for involving families in the education of their child, and tools for effective communication. 3 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

Earth Science

EARTH 102 5 Credits

Earth Science

Recommended Preparation: ENGL 095 or placement in ENGL& 101. Prerequisite: MATH 095 or placement in MATH 098.

This course provides an introduction to the Earth and the processes that shape our planet. A major theme of the course is how different aspects of the Earth system interact with each other. Selected topics in four basic areas: astronomy, oceanography, meteorology, and geology, and their relation and interaction with the Earth system will be explored. 5 lecture hours. Satisfies science distribution area D requirement or specified elective for the AA degree.

Economics

ECON 100 5 Credits

Introduction to Economics

Prerequisites: MATH 060; READ 080 or instructor permission.

This course is designed to introduce economics and the economic approach to the problems created by scarcity. Specifically, the course will be “economics for non-majors: fundamental concepts of economic analysis with application to contemporary problems.” The student should learn what a market system is and how it has come to be the predominate economic system. 5 lecture hours. Satisfies social science distribution area B requirement or specified elective for the AA degree.

ECON& 201 5 Credits

Micro Economics

Prerequisite: ECON& 202 or instructor permission.

An introduction to microeconomics. A study of the decision-making processes of individual economic units including businesses and consumers. Basic theoretical tools are applied to problems of current interest. 5 lecture hours. Satisfies social science distribution area B requirement or specified elective for the AA degree.

ECON& 202 5 Credits

Macro Economics

Prerequisites: MATH 060; READ 080 or instructor permission.

A macroeconomic study of the U.S. economy as a system for solving the fundamental problems of how a society uses its material resources. Emphasis is given to national income, inflation, unemployment, international trade, business cycles, and the monetary system. 5 lecture hours. Satisfies social science distribution area B requirement or specified elective for the AA degree.

Education

EDUC 201 5 Credits

Introduction/Orientation to Teaching

Recommended Preparation: ENGL 095 or placement in ENGL 101; READ 090 or placement in college level reading or instructor permission.

Designed as a course for the student interested in a teaching career. Examines the qualities of good teachers, basic teaching skills, the rewards and responsibilities of teaching, the history and philosophy of teaching, and current innovations in teaching. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

EDUC 202 3 Credits

Education Practicum

Prerequisite: EDUC 201 or instructor permission and successful completion of a national criminal background check.

This course is designed to give the student an opportunity to learn about schools and teachers. It provides early field experiences and related seminar discussions. Observation hours are flexible, but students should be available for periodic seminars. 1 lecture hour; 6 clinical hours. Satisfies specified elective requirement for the AA degree.

Energy Technology-Power Operations

PPO 100 5 Credits

Introduction to Power Generation

Prerequisite: Placement in READ 090, ENGL 060, and MATH 070 or concurrent enrollment in MATH 060; or instructor permission. Concurrent enrollment in PPO 150 and PPO 151.

An introductory study of basic electricity. This study will include principles of electron movement, magnetism, insulators, conductors, generators, transformers, single phase, three phase, lighting, energy efficiency, and power calculations including the cost of operating appliances. The course is intended for the “non-engineering” student who has a desire to learn how electricity is generated and distributed to the customer. It will consist of lecture, multimedia presentations, video, and hands-on projects. 5 lecture hours. Vocational program course. May be used as a general elective for the AA degree.

PPO 102 5 Credits

Power Generation

Prerequisite: Grade of “B-” or better in PPO 100, PPO 150, and PPO 151 or instructor permission. Concurrent enrollment in PPO 120.

A more in-depth study of the basics of electricity including OHM’s Law, volts, amps, watts, generation, transmission, distribution, 3-phase, series and parallel circuits, and power factor. The environmental impacts of hydro, gas and fossil fuel power generation, the transmission grid and distribution of power to the meter will be discussed. The course is intended for “non-engineering” students who have a desire to learn how electricity is generated and distributed to the customer. It will consist of lecture, multimedia presentations, video, and hands-on projects. 5 lecture hours. Vocational program course. May be used as a general elective for the AA degree.

PPO 103 5 Credits

Plant Design and Operations

Prerequisite: Grade of “B-” or better in PPO 102 or instructor permission. Concurrent enrollment in PPO 130.

An introductory study of power generation, transmission and distribution and electricity. The environmental impacts of hydro, gas and fossil fuel power generation, the transmission grid and distribution of power to the meter will be discussed. The course is intended for the “non-engineering” student who has a desire to learn how electricity is generated and distributed to the customer. It will consist of lecture, multimedia presentations, video, and hands-on projects. 5 lecture hours. Vocational program course. May be used as a general elective for the AA degree.

PPO 120 4 Credits

Print Reading

Prerequisite: Grade of “B-” or better in PPO 100, PPO 150, and PPO 151 or instructor permission. Concurrent enrollment in PPO 102.

Introduction to electrical utility blueprint reading which defines the physical and electrical arrangements of equipment including power plants, substations, transmission lines, distribution lines and customer service facilities. These documents are developed by designers to guide construction of facilities and are used by operating personnel to maintain, repair and modify utility equipment. 4 lecture hours. Vocational program course. May be used as a general elective for the AA degree.

PPO 130 5 Credits

Industrial Safety and Rigging

Prerequisite: Grade of “B-” or better in PPO 102 or instructor permission. Concurrent enrollment in PPO 103.

The course is designed to anchor and evaluate the student in Power Plant Systems, Power Plant Maintenance, and Power Plant Operations. It may include components of lecture, Internet usage, video, hands-on, student presentations, research, discussion, written work, and tested knowledge. This approach will be designed to foster teamwork, innovation, academic honesty, and fun. This curriculum will ultimately be designed to build student confidence and skills in the power generation field. 5 lecture hours. Vocational program course. May be used as a general elective for the AA degree.

PPO 150 3 Credits

Efficiency Energy

Prerequisite: Placement in READ 090, ENGL 060, and MATH 070 or concurrent enrollment in MATH 060; or instructor permission. Concurrent enrollment in PPO 100 and PPO 151.

An overview study of energy efficiency concepts related to efficient and cost effective electricity use. Topics covered will be electricity terms, insulation, windows, lighting, HVAC, energy audits, and electric vehicles. We will also look at the societal and political influences of de-regulation and lessons learned from industry covering the generation of electricity from current existing sources and a look at alternative renewable green energy sources including solar, wind, biomass, and ocean waves. 3 lecture hours. Vocational program course. May be used as a general elective for the AA degree.

PPO 151 **2 Credits**
Efficiency Energy Lab
Prerequisite: Placement in READ 090, ENGL 060, and MATH 070 or concurrent enrollment in MATH 060; or instructor permission.
Concurrent enrollment in PPO 100 and PPO 150.
 Real world applications of energy efficiency concepts. Students will do an energy audit of their homes measuring and calculating the overall energy efficiency of the home. 4 lab hours. Vocational program course. May be used as a general elective for the AA degree.

PPO 191 **5 Credits**
Power Industry Job Preparation
Prerequisite: PPO 130 with a grade of "B-" or better and instructor permission.
 This course is only offered in late summer quarter and prepares students for employment in the power industry, most often in a technical apprentice position. The class includes tours of local facilities including power plants, sub-stations, and dams plus job application process, interview process, and preparation for industry testing. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective for the AA degree.

PPO 201 **5 Credits**
Plant Systems and Equipment
Prerequisite: A grade of "B-" or better in PPO 103 or instructor permission.
 Plant systems and equipment, focusing on boiler construction, operation, and maintenance. 5 lecture hours. Vocational program course. May be used as a general elective for the AA degree.

PPO 202 **5 Credits**
Refrigeration, HVAC and Plant Maintenance
Prerequisite: A grade of "B-" or better in PPO 201 or instructor permission.
 This course will focus on the fundamental principles of refrigeration and different types of refrigeration systems. Students will learn the principles of heating, ventilating, air conditioning, and auxiliary systems such as lighting, sanitary and building waste water. There will be an introduction to the terminology and basic equipment associated with HVAC/R and the control methods, operations, and maintenance of HVAC/R systems. 5 lecture hours. Vocational program course. May be used as a general elective for the AA degree.

PPO 203 **5 Credits**
Power Plant Operations
Prerequisite: A grade of "B-" or better in PPO 202 or instructor permission.
 This course is designed to anchor and evaluate the student in Power Plant Systems, Power Plant Maintenance, and Power Plant Operations. It will include components of lecture, hands-on, student presentations, research, discussion, written work, and tests knowledge. Topics include the safety and skills to operate and monitor equipment, manage project systems, support equipment maintenance, and ability to comply with safety and environmental programs. 5 lecture hours. Vocational program course. May be used as a general elective for the AA degree.

PPO 205 **5 Credits**
Power System Operator 1
Prerequisite: PPO 201 with grade of "B" or better.
 This course will prepare students to take the NERC (North American Electric Reliability Corporation) Certification which is the standard for the energy industry. This class will give students the opportunity to work in a web-based program that uses the same environment as the certification exam. 5 lecture hours. Vocational program course. May be used as a general elective for the AA degree.

PPO 206 **5 Credits**
Power System Operator 2
Prerequisite: PPO 205 with a grade of "C" or better.
 Students will learn to operate a power grid by using Incremental Systems Power Simulator System shutdown, system restoration planning, generation management, balancing operations, interchange transactions, and fundamentals of power markets. Lectures will use the ERPI Power System Dynamics Tutorial. A significant amount of study is required to take and pass the NERC exam. PPO 206 assists students in preparing to take the exam. 5 lecture hours. Vocational program course. May be used as a general elective for the AA degree.

English

ENGL 060 **5 Credits**
English Language Study
Recommended Preparation: CIS 100 or CIS 101 or concurrent enrollment.
Prerequisite: Placement in ENGL 060 or instructor permission.
 ENGL 060 is a basic composition course designed to develop those writing/sentence skills necessary in both everyday writing and subsequent college writing through classroom exercises, group problem-solving, and short writing assignments. Skills gained in this course should help students improve their ability to perform such tasks as writing short-answer tests, brief responses to readings, and brief papers. Designed as preparation for ENGL 095. 5 lecture hours.

ENGL 095 **5 Credits**
Writing Fundamentals
Prerequisite: Appropriate English placement score or a grade of "C-" or better in ENGL 060.
 ENGL 095 is a developmental course that focuses on a review of writing fundamentals including organization, sentence structure and usage, vocabulary, spelling, and grammar. Writing assignments are generally limited to the paragraph. Skills gained in this course should help students improve their ability to write logically developed short-essay tests and brief, formal summaries and reports. 5 lecture hours.

ENGL& 101 **5 Credits**
English Composition I
Prerequisite: Appropriate English placement test score or a grade of "C-" or better in ENGL 095.
 ENGL& 101 emphasizes the basic rhetorical principles and development of expository and argumentative prose. This course includes instruction in the research methods necessary for evidence-backed writing and emphasizes the preparation of researched essays. Skills gained in this course should help students improve their performance of such tasks as writing for a variety of purposes and audiences, as well as writing informative and persuasive essays and research-backed reports, projects and papers. 5 lecture hours. Satisfies writing skills requirement for the AA degree.

ENGL& 102 **5 Credits**
English Composition II
Prerequisite: A grade of "C-" or better in ENGL& 101.
 ENGL& 102 is a continuation of writing and research skills practiced in ENGL& 101 directed towards writing expository/argumentative and critical/analytical essays focusing on literature. Skills gained in this course should improve students' performance in such tasks as writing for various purposes and audiences, writing critically and analytically in a variety of settings and creating formal, written research projects. 5 lecture hours. Satisfies writing skills requirement for the AA degree.

ENGL 150 **5 Credits**
Vocational/Technical and Business Writing
Recommended Preparation: Competency in basic computer operation or concurrent enrollment in CIS 100.
Prerequisite: Appropriate English placement score or a grade of "C-" or better in ENGL 095.
 This course is designed for both vocational/technical and business students. It emphasizes written and oral communication required in the world of work. Major topics include business letters and memorandums, formal and informal reports, computer graphics, basic principles of technical writing, and oral presentations. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

ENGL 208 **5 Credits**
Survey of British Literature: Origin to 1800
Prerequisite: A grade of "C-" or better in ENGL& 101.
 A history of British literature covering the Anglo-Saxon period to Nineteenth Century with emphasis upon the reactions of literature to the social and political movements and some study of literary forms. Recommended as an introduction to advanced courses in English literature. 5 lecture hours. Satisfies humanities distribution area D requirement or specified elective for the AA degree.

ENGL 209 **5 Credits**
Survey of British Literature: 1800 to Present
Prerequisite: A grade of "C-" or better in ENGL& 101.
 A history of British literature covering the Nineteenth and early Twentieth Centuries and with emphasis on the reactions of literature to the social and political movements and some study of literary forms. Recommended as an introduction to advanced courses in English literature. 5 lecture hours. Satisfies humanities distribution area D requirement or specified elective for the AA degree.

ENGL& 220 **5 Credits**
Introduction to Shakespeare
Prerequisite: A grade of "C-" or better in ENGL& 101.
 An introduction to the comedies, the histories and the tragedies, this course emphasizes development of the analytical skills necessary to read, write, speak, and think critically about the meaning and dramatic effect of Shakespeare's plays. Additionally, attention is given to understanding the plays within the context of early modern history and culture. 5 lecture hours. Satisfies humanities distribution area D requirement or specified elective for the AA degree.

ENGL& 235 **5 Credits**
Technical Writing
Recommended Preparation: Competency in basic computer operation or concurrent enrollment in CIS 100. *Prerequisite:* A grade of "C-" or better in ENGL& 101.
 This course emphasizes techniques of technical writing and the preparation of informal and formal technical reports commonly found in vocational, technical, and business environments. 5 lecture hours. Satisfies writing skills requirement or specified elective for the AA degree.

ENGL 241 **2 Credits**
Fiction Writing
Recommended Preparation: A grade of "C-" or better in ENGL 095 or placement in ENGL& 101.
 This course emphasizes the various concerns surrounding the understanding and creation of the short story. Topics addressed in the course include the processes of drafting and revision, analysis of literary style and technique, and methods of offering and accepting constructive criticism. Students are expected to submit original manuscripts for workshop critique during the course of the quarter. 2 lecture hours. Satisfies specified elective requirement for the AA degree.

ENGL 242 2 Credits**Poetry Writing**

Recommended Preparation: A grade of "C-" or better in ENGL 095 or placement in ENGL& 101.

This course emphasizes the various concerns surrounding the understanding and creation of poetry. Topics addressed in the course include the processes of drafting and revision, analysis of literary style and technique, and methods of offering and accepting constructive criticism. Students are expected to write a variety of poetic exercises, as well as submit original manuscripts for workshop critique, during the course of the quarter. 2 lecture hours. Satisfies specified elective requirement for the AA degree.

ENGL 243 2 Credits**Playwriting**

Recommended Preparation: A grade of "C-" or better in ENGL 095 or placement in ENGL& 101.

This course emphasizes the various concerns surrounding the understanding and creation of 10-minute and one-act plays. Topics addressed in the course include the processes of drafting and revision, analysis of literary style and technique, and methods of offering and accepting constructive criticism. Additionally, the collaborative nature of playwriting, as compared to writing fiction or poetry, will be addressed; a play is not complete until the writer has involved others in the creative process. The student is expected to submit original manuscripts during the quarter. 2 lecture hours. Satisfies specified elective credit for the AA degree.

ENGL& 244 5 Credits**Introduction to American Literature**

Prerequisite: A grade of "C-" or better in ENGL& 101.

Course readings reflect our diverse national experience during the past two centuries. Authors are selected to highlight peculiarly American themes, forms and cultural conflicts. Fiction, poetry, drama and nonfiction prose are variously emphasized. Most recent emphasis: the tradition of American nature writing. 5 lecture hours. Satisfies humanities distribution area D requirement or specified elective for the AA degree.

ENGL 252 5 Credits**Survey of World Literature**

Prerequisite: A grade of "C-" or better in ENGL& 101.

Survey of World Literature covers literary selections from a wide variety of the world's cultures. Specifically, it addresses stories, poems and plays from Africa, Asia, the Americas, Europe and the Middle East. It also covers literary genre, critical methodologies, research, and critical thinking. 5 lecture hours. Satisfies humanities distribution area D requirement or specified elective requirement for the AA degree.

ENGL 275 5 Credits**Gender in Literature**

Prerequisite: A grade of "C-" or better in ENGL& 101.

This introductory course deals with the role of gender in literature. The specific topic/theme of the course varies from quarter to quarter. Students will analyze, discuss, and write about selected literary works, highlighting a variety of themes, styles, and perspectives. Satisfies humanities distribution area D requirement or specified elective for the AA degree. 5 lecture hours.

Engineering

ENGR& 104 5 Credits**Introduction to Engineering and Design**

Prerequisites: ENGL 095 and MATH 095 with a grade of "C" or better.

This course is an introduction to the engineering profession and design process. Topics include: disciplines and opportunities in engineering, engineering fundamentals (e.g. basic dimensional analysis), creativity in problem solving, building group skills, investigation of professionalism, ethical issues, and the historical impact of engineering on human societies. Course activities include writing assignments, individual and team design projects, oral presentations, and a portfolio project. 5 lecture hours. Satisfies the requirement for the AS-Track 2 degree or specified elective for the AA degree.

ENGR& 214 5 Credits**Statics**

Prerequisites: MATH& 152 or PHYS& 221 with a grade of "C" or better (or concurrent enrollment in either of the courses with advisor approval).

This is a course in engineering statics (mechanics). Topics include: vector notation, scalar and vector analysis of two- and three-dimensional static structures, equilibrium, moments, couples, distributed loads, resultants, centroids, inertia, shear and bending moments, and friction. 5 lecture hours. Satisfies the requirement for the AS-Track 2 degree or specified elective for the AA degree.

ENGR& 215 5 Credits**Dynamics**

Prerequisites: ENGR& 214 and MATH& 163 with a grade of "C" or better or concurrent enrollment in MATH& 163.

This is a course in engineering dynamics. Topics include: kinematics, kinetics, dynamics or particles and rigid bodies using vector notation, rectangular coordinates, normal and tangent coordinates, curvilinear motion, work, energy, impulse, momentum, rotation, absolute motion, and relative motion. 5 lecture hours. Satisfies the requirement for the AS-Track 2 degree or specified elective for the AA degree.

ENGR 240 5 Credits**Applied Numerical Methods**

Prerequisites: MATH& 163 with a grade of "C" or better.

Numerical solutions to problems in engineering and science using modern scientific computing tools is the focus of this course as well as application of mathematical judgement in selecting computational algorithms and communicating results. MATLAB programming for numerical computation is introduced. 5 lecture hours. Satisfies the requirement for the AS-Track 2 degree or specified elective for the AA degree.

English as a Second Language

ESL 010 0.5 Credits**ESL Orientation**

Students complete the CASAS assessment in Reading and Listening. During intake, students identify short and long term goals and are placed into the appropriate English as a Second Language (ESL) course. This course does not meet any degree requirements.

ESL 022 Variable Credits**Beginning Integrated ESL**

Prerequisite: CASAS assessment score.

This is an integrated English as a Second Language (ESL) course for beginning ESL students placing into ESL 1-3. The course is based on the Washington State Learning Standards, covering reading, writing, listening and speaking with a goal to improve English language skills. This course does not meet any degree requirements.

ESL 023 Variable Credits**Integrated ESL**

Prerequisite: CASAS assessment score.

This is an integrated English as a Second Language (ESL) course for ESL students placing into ESL 1-6. The course is based on the Washington State Learning Standards, covering reading, writing, listening and speaking with a goal to improve English language skills. Upon completion of ESL 6, students may transition to ABE/GED courses. This course does not meet any degree requirements.

ESL 024 Variable Credits**Advanced Integrated ESL**

Prerequisite: CASAS assessment score.

This is an integrated English as a Second Language (ESL) course for advanced ESL students placing into ESL 4-6. The course is based on the Washington State Learning Standards, covering reading, writing, listening and speaking with a goal to improve English language skills. Upon completion of ESL 6, students may transition to ABE/GED courses. This course does not meet any degree requirements.

Environmental Science

ENVS& 100 5 Credits**Survey of Environmental Science**

Recommended Preparation: ENGL 095 or placement in ENGL& 101; placement in MATH 098.

A course addressing the nature of the physical environment and changes in the environment caused by people. Fundamental considerations of matter and energy are followed by studies of human population dynamics, food supplies, hazardous chemicals, air and water pollution, geological and energy resources, and problems associated with storing waste. 5 lecture hours. Satisfies science distribution area C requirement or specified elective for the AA degree.

Film

FILM 125 5 Credits**Film Interpretation**

Recommended Preparation: ENGL& 101.

Prerequisites: ENGL 095 or placement in ENGL& 101.

Film interpretation is a survey course providing the student with a solid background in structural analysis and appreciation of film as an art form. All of the elements that make up the film experience are examined, including the contributions of producers, scriptwriters, directors, actors, cinematographers, editors and designers. 4 lecture hours; 2 lab hours. Satisfies humanities distribution area B requirement or specified elective for the AA degree.

FILM 135 5 Credits**Introduction to Film Production**

Recommended Preparation: ART 101 or 104; ENGL 243; THEA 161; THEA 163.

Prerequisite or Corequisite: FILM 125 or ART& 100.

This course is designed to provide basic instruction in the planning, shooting and assembly of the short feature film. Students will use digital video and sound equipment to create a film which will be assembled using computer-based editing systems. The course will provide students the opportunity to explore the techniques of scriptwriting, performance, visual composition (mise-en-scene), cinematography, sound recording and editing shots into a final piece. Because film production is a collaborative process, this class will make use of group processes in which students share ideas, crew positions, and postproduction duties. 5 Credits: 3 lecture hours; 4 lab hours. Satisfies specified elective requirement for the AA degree.

Foreign Languages

CHIN& 121 **5 Credits****Chinese I**

Recommended Preparation: ENGL 095 or concurrent enrollment; or placement in ENGL& 101.

This course is designed to provide students with elementary knowledge of spoken and written Chinese. The course will focus on speaking, listening, reading and writing skills. Additional attention is given to relevant topics in Chinese culture and history. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

CHIN& 122 **5 Credits****Chinese II**

Recommended Preparation: A grade of "C-" or better in CHIN& 121 or instructor permission.

A continuation of CHIN& 121.

5 lecture hours. Satisfies specified elective requirement for AA degree.

CHIN& 123 **5 Credits****Chinese III**

Recommended Preparation: A grade of "C-" or better in CHIN& 122 or instructor permission.

A continuation of CHIN& 122.

5 lecture hours. Satisfies specified elective requirement for AA degree.

FRCH& 121 **5 Credits****French I**

Recommended Preparation: ENGL 095 or concurrent enrollment; or placement in ENGL& 101.

FRCH& 121, 122, 123 is a sequence designed to provide students with elementary through intermediate knowledge of spoken and written French. It is viewed as a series and as such has a goal of structuring the load throughout an academic year rather than from quarter to quarter. FRCH& 121 focuses on developing elementary speaking, listening, reading and writing skills. Additional attention is given to relevant topics in French culture and history. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective in the AA degree.

FRCH& 122 **5 Credits****French II**

Recommended Preparation: A grade of "C-" or better in FRCH& 121 or instructor permission.

A continuation of FRCH& 121, focusing on speaking, listening, reading and writing skills. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

FRCH& 123**5 Credits****French III**

Recommended Preparation: A grade of "C-" or better in FRCH& 122 or instructor permission.

A continuation of FRCH& 122, focusing on developing intermediate knowledge of spoken and written French. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

GERM& 121**5 Credits****German I**

Recommended Preparation: ENGL 095 or concurrent enrollment; or placement in ENGL& 101.

GERM& 121, 122, 123 is a sequence designed to provide students with elementary through intermediate knowledge of spoken and written German. It is viewed as a series and as such has a goal of structuring the load throughout an academic year rather than from quarter to quarter. GERM& 121 focuses on developing speaking, listening, reading, and writing skills. Additional attention is given to relevant topics in German culture and history. 5 lecture hours. Satisfies humanities area E requirement or specified elective for the AA degree.

GERM& 122**5 Credits****German II**

Recommended Preparation: A grade of "C-" or better in GERM& 121 or instructor permission.

A continuation of GERM& 121, focusing on developing elementary to intermediate knowledge of spoken and written German. 5 lecture hours. Satisfies humanities area E requirement or specified elective for the AA degree.

GERM& 123**5 Credits****German III**

Recommended Preparation: A grade of "C-" or better in GERM& 122 or instructor permission.

A continuation of GERM& 122, focusing on developing intermediate knowledge of spoken and written German. 5 lecture hours. Satisfies humanities area E requirement or specified elective for the AA degree.

ITAL 125**5 Credits****Italian I**

Recommended Preparation: ENGL 095 or concurrent enrollment; or placement in ENGL& 101.

Designed to provide students with elementary knowledge of spoken and written Italian, this course will focus on speaking, listening, reading and writing skills, as well as on the practical applications of the Italian language in Western art and culture. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

ITAL 126**5 Credits****Italian II**

Recommended Preparation: A grade of "C-" or better in ITAL 125 or instructor permission.

A continuation of ITAL 125. 5 lecture hours. Satisfies specified elective for the AA degree.

ITAL 127 **5 Credits**
Italian III
Recommended Preparation: A grade of "C-" or better in ITAL 126 or instructor permission.
 A continuation of ITAL 126.
 5 lecture hours. Satisfies specified elective for the AA degree.

JAPN& 121 **5 Credits**
Japanese I
Recommended Preparation: ENGL 095 or concurrent enrollment; or placement in ENGL& 101.
 JAPN& 121, 122, 123 is a sequence designed to provide students with elementary through intermediate knowledge of spoken and written Japanese. It is viewed as a series and as such has a goal of structuring the load throughout an academic year rather than from quarter to quarter. JAPN& 121 focuses on developing elementary speaking, listening, reading and writing skills. Additional attention is given to relevant topics in Japanese culture and history. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

JAPN& 122 **5 Credits**
Japanese II
Recommended Preparation: A grade of "C-" or better in JAPN& 121 or instructor permission.
 A continuation of JAPN& 121, focusing on developing elementary to intermediate knowledge of spoken and written Japanese. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

JAPN& 123 **5 Credits**
Japanese III
Recommended Preparation: A grade of "C-" or better in JAPN& 122 or instructor permission.
 A continuation of JAPN& 122, focusing on developing elementary to intermediate knowledge of spoken and written Japanese. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

LATIN 125 **5 Credits**
Latin I
Recommended Preparation: ENGL 095 or concurrent enrollment; or placement in ENGL& 101.
 Designed to provide students with elementary knowledge of classical Latin, this course will focus on reading and understanding the written language through the study of grammar and texts. Additional attention will be given to the influence of Latin on modern English, as well as to relevant topics in Roman culture and history. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective requirement for the AA degree.

LATIN 126 **5 Credits**
Latin II
Recommended Preparation: LATIN 125 with a grade of "C-" or better or instructor permission.
 A continuation of LATIN 125. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

LATIN 127 **5 Credits**
Latin III
Recommended Preparation: LATIN 126 with a grade of "C-" or better or instructor permission.
 A continuation of LATIN 126. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

POL 125 **5 Credits**
Polish I
Recommended Preparation: ENGL 095 or concurrent enrollment; or placement in ENGL& 101.
 Designed to provide students with elementary knowledge of spoken and written Polish, this course will focus on speaking, listening, reading, and writing skill, as well as relevant topics in Polish culture and history. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective requirement for the AA degree.

POL 126 **5 Credits**
Polish II
Recommended Preparation: POL 125 with a grade of "C-" or better or instructor permission.
 A continuation of POL 125. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

POL 127 **5 Credits**
Polish III
Recommended Preparation: POL 126 with a grade of "C-" or better or instructor permission.
 A continuation of POL 126. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

RUSS 125 **5 Credits**
Russian I
Recommended Preparation: ENGL 095 or concurrent enrollment; or placement in ENGL& 101.
 RUSS 125 is designed to provide students with elementary knowledge of spoken and written Russian. This course focuses on developing speaking, listening, reading, and writing skills. Additional attention is given to relevant topics in Russian culture and history. 5 lecture hours. Satisfies Humanities distribution area E requirement or specified elective requirement for the AA degree.

RUSS 126 **5 Credits**
Russian II
Recommended Preparation: A grade of "C-" or better in RUSS 125 or instructor permission.
 A continuation of RUSS 125. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

RUSS 127 **5 Credits**
Russian III
Recommended Preparation: A grade of "C-" or better in RUSS 126 or instructor permission.
 A continuation of RUSS 126. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

SPAN& 121 **5 Credits**
Spanish I

Recommended Preparation: ENGL 095 or concurrent enrollment; or placement in ENGL& 101.

SPAN& 121, 122, 123 is a sequence designed to provide students with elementary through intermediate knowledge of spoken and written Spanish . It is viewed as a series and as such has a goal of structuring the load throughout an academic year rather than from quarter to quarter. SPAN& 121 focuses on developing elementary speaking, listening, reading, and writing skills. Additional attention is given to relevant topics in Spanish culture and history. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

SPAN& 122 **5 Credits**
Spanish II

Recommended Preparation: A grade of "C-" or better in SPAN& 121, or 1 year of high school Spanish, or instructor permission.

A continuation of SPAN& 121, focusing on developing elementary to intermediate knowledge of spoken and written Spanish. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

SPAN& 123 **5 Credits**
Spanish III

Recommended Preparation: A grade of "C-" or better in SPAN& 122, or 2 years of high school Spanish, or instructor permission.

A continuation of SPAN& 122, focusing on developing intermediate knowledge of spoken and written Spanish. 5 lecture hours. Satisfies humanities distribution area E requirement or specified elective for the AA degree.

French

See "Foreign Languages"

Freshmen Year Experience

FYE 100 **4 Credits**
Student Orientation and Academic Readiness (SOAR)

SOAR is a short, intensive course designed to help new students adjust to college by providing an overview of higher education, a general orientation to college resources, a review and brush-up of study skills and a review of English or math skills. Self-management skills and personal responsibility are emphasized. 3 lecture hours; 2 lab hours. May be used as a general elective in the AA degree.

FYE 102 **2 Credits**
Creating Success in College and Life

The content in this course is designed to help students with a smooth transition to college and bring an increased awareness of what GHC has to offer. Students will learn about college expectations and how to use proven strategies to develop the skills, resources and personal qualities needed to create greater academic, professional and personal success. 2 lecture hours. May be used as general elective in the AA degree.

Geology

GEOL& 101 **5 Credits**
Introduction to Physical Geology

Recommended Preparation: ENGL 095 or placement in ENGL& 101. Prerequisite: MATH 095 or placement in MATH 098.

A study of the Earth, its materials, the development of landforms and the geologic processes involved. Common rocks, minerals, and geologic maps are studied in the laboratory. In the fall, a field trip to Mt. St. Helens to study volcanic processes is planned. 4 lecture hours; 2 lab hours. Satisfies science or lab requirement area D distribution or specified elective in the AA degree.

German

See "Foreign Languages"

Health Promotion and Fitness

HPF 101 **5 Credits**
Health and Wellness

This course encompasses a total wellness concept of one's physical, mental and emotional well being. Students will examine major health issues of contemporary society. Students will also learn to make responsible lifestyle decisions that will directly affect their quality of life and attainment of well being. 5 lecture hours. May be used as a general elective in the AA degree or to satisfy PE requirement for all degrees.

History

HIST& 116 **5 Credits**
Western Civilization I

Recommended Preparation: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101, or instructor permission. Completion of or concurrent enrollment in ENGL& 101.

A survey of the Greco-Roman and Judeo-Christian roots of Western Civilization emphasizing the cultures, societies, philosophies, and politics of ancient civilizations as well as the controversies of early Christianity. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST& 117 **5 Credits**
Western Civilization II
Recommended Preparation: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101, or instructor permission. Completion of or concurrent enrollment in ENGL& 101.
 A survey of European society, politics and culture from the fall of Rome to the Reformation emphasizing feudalism, the battles between Church and State, Scholasticism, medieval science, and the life of the common folk. We will explore the roots of the early modern era and the shattering of the medieval consensus. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST& 118 **5 Credits**
Western Civilization III
Recommended Preparation: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.
 A survey of European society, culture and politics from the Seventeenth to the Twentieth Centuries emphasizing the witchcraft craze, the rise of science, the Enlightenment, Romanticism, the French Revolution, industrialism, imperialism, and the two world wars. We will explore the “nature” of the modern world and the social tensions it has produced. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST 122 **5 Credits**
History of Modern East Asia
Recommended Preparation: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.
 This course is an introduction to the history, geography, culture, and sociology of East Asia during the last two centuries. We will study the development of modern China and Japan, Asian interaction with the West, the role of religions in East Asian societies, the varying political and cultural systems, economics, and the challenges of the 20th and 21st Centuries. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST& 146 **5 Credits**
US History I
Recommended Preparation: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.
 This course offers a survey of North American history from first contact by Original Peoples, approximately 30,000 BCE, through the European exploration and period of conquest, European colonialism, foundations of an “American” culture and society, and concludes with an overview of the Revolutionary era and the early years of the Republic. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST& 147 **5 Credits**
US History II
Recommended Preparation: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.
 This course offers a survey of United States’ history during the 19th Century. Topics of inquiry include slavery and the development of the abolitionist and women’s movements, the coming of the Civil war, Reconstruction, conquest of the continent, the triumph of capitalism through industrialization, the development of labor movements, and the origins of U.S. involvement in world-wide imperialist movements. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST& 148 **5 Credits**
US History III
Recommended Preparation: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.
 This course offers a survey of United States’ history during the 20th Century. Topics of inquiry include the development of the “Progressive Movement,” radical and anti-radical movements, racism and the Black liberation struggle, economic depression and recovery, women’s liberation struggles, and U.S. involvement in a century of warfare from the Spanish-American-Philippine War beginning in 1898 through war with Mexico, World War I and II, the Korean and Vietnam wars, and the half-century-long “Cold War.” 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST& 214 **5 Credits**
Pacific Northwest History
Recommended Preparation: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.
 This course offers a survey of the history of the Pacific Northwest region of North America from the arrival of the Original Peoples, approximately 30,000 BCE through European conquest and colonial development, incorporation into the United States, exploitation of natural resources, race, class and gender conflicts as they developed throughout the 19th and 20th Centuries and political, social, and economic development in the 20th Century through the era of the Vietnam War. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST& 219 **5 Credits****Native American History**

Recommended Preparation: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.

This course offers an overview of Native-American history, culture, politics and the interactions of Native-Americans and the peoples who arrived after them. The course places an emphasis on political and social events and persons critical to the history of Native-Americans and the larger culture. The course also places an on-going emphasis on the history of Native-Americans in the Pacific Northwest and the Olympic Peninsula. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST 220 **5 Credits****20th Century Europe**

Recommended Preparation: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.

An introduction to the political, social, economic, and intellectual history of Europe in the Twentieth Century. The course will cover the background to World War I, the era of the World Wars, the rise of Communism and Fascism, the Welfare State, European imperialism, and Europe's role in the global environment of the 1990's. Important social and intellectual movements will be discussed in their political context. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree

HIST 252 **5 Credits****Latin American History**

Recommended Preparation: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.

An introduction to Latin American studies. The first half of the quarter focuses attention on Pre-Columbian civilizations, especially the Maya. The second half of the quarter explores Modern Latin America from the time of the colonial period and focuses on independence movements, nation building, and the problems of the last two centuries. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST 270 **5 Credits****African-Americans in Slavery and Freedom**

Recommended Preparation: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.

This course offers an overview of African-American history, from African origins to the end of the Civil War. The course will analyze the political, economic, social, and cultural responses of both individuals and groups of African-Americans as they encountered European culture and survived through 250 years of slavery in the United States. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST 271 **5 Credits****African-American History: 1865-1975**

Recommended Preparation: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101 or instructor permission. Completion of or concurrent enrollment in ENGL& 101 recommended.

This course offers an analysis of the various movements and trends for liberation pursued by African-Americans from Reconstruction through the 1970's. We will look at the political, economic, social, and cultural responses of both individuals and groups of African-Americans, and examine the parallel responses of the majority White culture (racists and anti-racists) to these liberation movements. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

HIST 272 **5 Credits****History of England**

Recommended Preparation: READ 090 or placement in READ 120; ENGL 095 or placement in ENGL& 101; or instructor permission. Completion of or concurrent enrollment in ENGL& 101.

This is a survey of the history of Great Britain with an emphasis on England and will deal with a variety of historical approaches; social history, popular culture, institution and legal history, as well as political history. The class will start with prehistoric Britain and move through the various waves of conquerors until Great Britain emerges. It will review the impact of nationalism, imperialism, colonialism, especially in Ireland, wars in the 20th century, and the rise of the modern English welfare state until the Thatcher years. 5 lecture hours. Satisfies social science distribution area A requirement or specified elective for the AA degree.

Human Development

HUMDV 104 2 Credits

Stress Management and Wellness

Prerequisite: Placement in READ 080 and ENGL 060 or instructor permission.

This course is designed to provide general information, tools, and guides for stress management and wellness promotion. Students will look at the physical, cognitive, psychological, and behavioral factors related to stress and coping. The goal is to help each student improve in the ability to manage stress. Instruction techniques will include lectures, extensive use of group activities, and introduction of relaxation methods, such as progressive relaxation. 2 lecture hours. Satisfies general elective requirement for the AA degree.

HUMDV 109 2 Credits

Personal Development

Prerequisites: Placement in READ 080 and ENGL 060.

A balanced view of current theory and research in psychology with an emphasis on personality, motivation, decision making and learning. The focus is on understanding the role of family, the environment and individual choices and how they combine in shaping the development of the individual. 2 lecture hours. Satisfies general elective requirement for the AA degree.

HUMDV 111 2 Credits

Career Options and Life Planning

Prerequisites: Placement in READ 080 and ENGL 060.

The focus of HUMDV 111 is to facilitate awareness of values, skills, interests, and attitudes as they relate to the student's career journey and the world of work. Students will become familiar with occupational resources including self-employment and entrepreneurial options, labor market trends, resume and cover letter writing, interviewing, and the process for career decision-making. Students will learn career concepts and develop career researching and planning skills. 2 lecture hours. Satisfies general elective requirement for the AA degree.

HUMDV 150 1 Credit

Tutoring Techniques

Prerequisite: Instructor permission.

This class prepares students to become peer tutors. We will explore the role and responsibilities of a peer tutor, adult learning theory, learning styles, effective tutoring techniques, communication skills, and creating a positive environment. Practicum will include observation and supervised tutoring in the GHC Learning Center. Actual tutoring experiences will be evaluated during the quarter. 7 lecture hours; 4 lab hours. Satisfies general elective requirement for the AA degree.

HUMDV 151 2 Credits

Interpersonal Skills

Prerequisite: Placement in READ 080 and ENGL 060.

This class is designed to assist students in increasing the effectiveness of their interactions with others. Students will gain skills in topics such as effective listening, initiating conversations, assertive communication, conflict resolution, and the use of appropriate body language and nonverbal communication. The goal is to help each student to develop an awareness of his or her own communication strengths and weaknesses and to teach each student to express thoughts, feelings and opinions in an effective, socially appropriate manner. Instruction techniques will include lecture, role playing, extensive use of group activities and discussion, and practice assignments. 2 lecture hours. Satisfies general elective requirement for the AA degree.

Human Services

HS 101 5 Credits

Introduction to Human Services

Prerequisite: CIS 102 or concurrent enrollment, concurrent enrollment in ENGL 095 or ENGL& 101. Students who have successfully completed ENGL& 101 should see the instructor. Upon enrollment in HS 101, students must consent to a Washington State Patrol Background check.

Overview of the history, philosophy and present status of the major human service delivery systems. Also examines the roles of associate degree practitioners as well as occupational and educational alternatives for graduates. Orientation to services provided by the human service agencies of Grays Harbor and Pacific Counties. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

HS 102 5 Credits

Survey of Community Resources in Human Services

Prerequisite: HS 101 or instructor permission.

Provides an understanding of the state, county and regional network that supports community services. Overview includes continual effects of current legislation and funding. Emphasis is on local human service providers as a network of community resources. This includes community mental health centers, residential programs, advocacy groups, and consumer groups. Students will learn the relevance of each component to the whole system. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

HS 108 **Counseling and Crisis Intervention** **5 Credits**
Prerequisite: Completion of HS 101.
 Introduction to interviewing, basic counseling skills and crisis theory. The focus will be on learning counseling theory and models for crisis intervention. Through lecture, discussion, demonstration and independent study, students will master basic concepts and develop needed skills. Emphasis on high-stress populations requiring immediate intervention, including psychiatric emergencies and death and dying, sexual assault, battered women, suicide and others. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

HS 109 **Law and Ethics in Human Services** **5 Credits**
Prerequisite: HS 102 or instructor permission.
 Explores central work-related issues students will face in the human services field and the ethical implications and laws dealing with those issues. Emphasis includes consumer confidentiality, consumer rights, rights and responsibilities of human service professionals, and standards of conduct. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

HS 158 **Cooperative Work Internship** **1-3 Credits**
Prerequisites: Completion of HS 102 and HS 109 with a C+ or better and instructor permission.
 Supervised experience with a human service-related agency or program. The instructor, in cooperation with the student, will determine the site, credit hours and learning objectives. A student, in conjunction with an instructor, will arrange for 1-3 credit hours to be earned within a given quarter. One credit may be earned for each fifty hours of documented agency or program experience. Emphasis is placed on achieving human services skills and integrating professional ethics and conduct into performance as a learner and appropriate to the internship site, and exploring career potential in the human services field. Variable hours. Vocational program course. May be used as a general elective in the AA degree.

HS 201 **Current Issues in Human Services** **5 Credits**
Prerequisite: HS 102 or instructor permission.
 This course provides an opportunity to study and discuss issues and events having a current impact in the human services field. The course will focus on specific subjects with the intent of linking students with the scholars and scholarship involved in understanding and explaining current issues, events, and crises in the human service field, including current medication and nutritional treatment for mental health issues. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

HS 202 **Counseling Special Populations** **5 Credits**
Prerequisite: HS 109 or instructor permission.
 Needs of and treatment for special consumer populations such as persons of diversity including children and families, couples, the elderly, persons with physical disabilities, sexual minorities, developmental disabilities and cultural and ethnic minorities. Focus will be on the recommended treatment of choice for special populations with diverse backgrounds and needs. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

HS 203 **Interview/Assessments in Human Services Settings** **5 Credits**
Prerequisite: HS 202 or instructor permission.
 Introduction to interviewing and assessment techniques in the human services field. Emphasis is on information gathering and building productive individual service plans for human services clients. Importance is placed on assessing the person's complete psycho-social structure. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

HS 204 **Advanced Counseling and Case Management** **5 Credits**
Prerequisite: HS 108 or instructor permission.
 Students will gain knowledge of the rationale and philosophy supporting the development of counseling and case management and different models of counseling/case management interventions. Students will learn about counseling techniques; resource development; strategies for dealing with resistance, grief and loss; treatment planning; and development of a personal counseling style. Using case management forms, students will formulate accurate and understandable case files and records. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

HS 258 **Advanced Cooperative Work Internship** **1-5 Credits**
Prerequisite: Completion of HS 158 with a grade of C+ or better and instructor permission.
 Supervised experience in human services agencies. Students work a minimum of 250 hours in an agency, with or without remuneration. One credit may be earned for each fifty hours of documented agency or program experience. Includes organizational leadership, work ethics, and employer-employee relationships. Students meet during the quarter with the assigned College supervisor and agency advisor to discuss skill development and process field experiences. Emphasis is placed on achieving human services skills and integrating professional ethics and conduct into performance as a learner and appropriate to the internship site. Variable hours. Vocational program course. May be used as a general elective in the AA degree.

Italian

See "Foreign Languages"

Japanese

See “Foreign Languages”

Latin

See “Foreign Languages”

Library

LIB 101 **2 Credits**

Introduction to Information Resources

Prerequisite: ENGL 095 or placement in ENGL& 101.

Introduction to strategies and skills for locating, evaluating and using information resources in the research process. Emphasis is on using print and electronic resources appropriate for research at the undergraduate or pre-professional level, including those available on the library’s information networks, the online catalog, the Internet and other standard research tools. 2 lecture hours. Satisfies specified elective requirement in the AA degree.

LIB 120 **5 Credits**

Learning for the 21st Century

Emphasis will be on building the skills and techniques for successful life-long learning and identifying personal learning styles and strengths that facilitate learning in an on-line environment. Through a quarter-long research project on a global issue, participants will examine various strategies for locating, evaluating, and applying information resources in the research process with attention to information policy issues like censorship and freedom of information. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

Linguistics

LING 101 **5 Credits**

Introduction to World Languages

Prerequisite: Completion of ENGL 095 or co-enrollment in ENGL 095 or placement in ENGL&101.

This is a general survey course designed to introduce students to the historical and cultural aspects of world languages, including discussion of distribution, historical development, typology, and writing systems. This course explores the rich diversity of human languages through specific examples of syntax, vocabulary and writing drawn from a variety of languages without teaching any language in particular. This course is advised as an introduction for students considering foreign language study. 5 lecture hours. Satisfies Humanities Area G distribution or specified elective requirement for the AA degree.

Mathematics

MATH 060 **5 Credits**

Fundamentals of Arithmetic

Prerequisite: Appropriate placement test score or instructor permission.

This course is designed for students who need to strengthen their skills in arithmetic. Mathematical reasoning will be used to define and solve problems. The specific course content includes topics on fractions, decimals, ratios, proportions, percents, English and metric measurements, area, volume and perimeter of geometric objects, with an introduction to integer arithmetic. Effective communication of these ideas and application to everyday situations are part of the curriculum. Problem solving strategies will be stressed. 5 lecture hours.

MATH 070 **5 Credits**

Pre-Algebra

Prerequisites: A grade of “C-” or better in MATH 060 or appropriate placement test score and placement in READ 090 or concurrent enrollment in READ 080.

This course is intended for students who have few current algebra skills. Topics include fractions, real number arithmetic, exponents, order of operations, algebraic expressions, linear equations and inequalities in one variable, working with units, formulas, and percents. The standard problem solving method, which will be used throughout the algebra sequence, is presented and used to solve basic applications. A scientific calculator is required for this course and graphing calculators are not allowed on tests. 5 lecture hours.

MATH 095 **5 Credits**

Elementary Algebra

Prerequisite: A grade of “C-” or better in MATH 070 or appropriate placement test score.

Math 095 is the middle course in the Algebra sequence including Math 070 and Math 098. Topics include: solving linear equations in one and two variables; evaluation and manipulation of formulas; unit analysis; proportions; graphing linear equations in two variables; rates; finding the equation of a line; exponent rules; scientific notation; adding, subtracting, and multiplying polynomials; function notation; systems of linear equations; one-variable linear inequalities; absolute value equations; and solving application problems. 5 lecture hours.

MATH 098 **5 Credits**
Intermediate Algebra

Prerequisite: A grade of "C-" or better in MATH 095 or appropriate placement test score.

MATH 098 elaborates on the foundation of basic algebra built in MATH 095. A variety of concepts and skills will be introduced to prepare students for work in college level math and math related subjects. Skills include: factoring; simplifying and solving rational expressions and equations; simplifying and solving exponential and radical expressions and equations; solving linear and quadratic equations; using function notation; graphing lines and parabolas; writing equations of lines; and setting up and solving applications involving basic science and business mathematical models. MATH 098 serves as a prerequisite to MATH& 107, MATH& 111, MATH& 131, MATH& 132, MATH& 141 and MATH& 146. 5 lecture hours.

MATH 100 **5 Credits**
Vocational Technical Mathematics

Prerequisites: A grade of "C-" or better in MATH 060 or appropriate placement score.

This course is designed to meet the needs of the vocational-technical student. Topics will include powers and roots, signed numbers, formulae manipulation, plane and solid geometry, trigonometry and specialized formulae. 5 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

MATH 101 **5 Credits**
Applications of Algebra for Vocational-Technical Students

Prerequisite: A grade of "C-" or better in MATH 070 or placement in MATH 095 or higher.

This is a non-transferable course designed to expose vocational students to mathematical concepts in the context of applications. Topics will include linear and exponential models, financial mathematics, and descriptive statistics. This course satisfies the mathematics requirement for some vocational-technical programs; however, it does not satisfy the quantitative reasoning skills requirement for an AA degree and does not serve as a prerequisite to any other math course. 5 lecture hours. Vocational program course. May be used as a general elective for the AA degree.

MATH& 107 **5 Credits**
Math in Society

Prerequisite: MATH 098 or appropriate placement score.

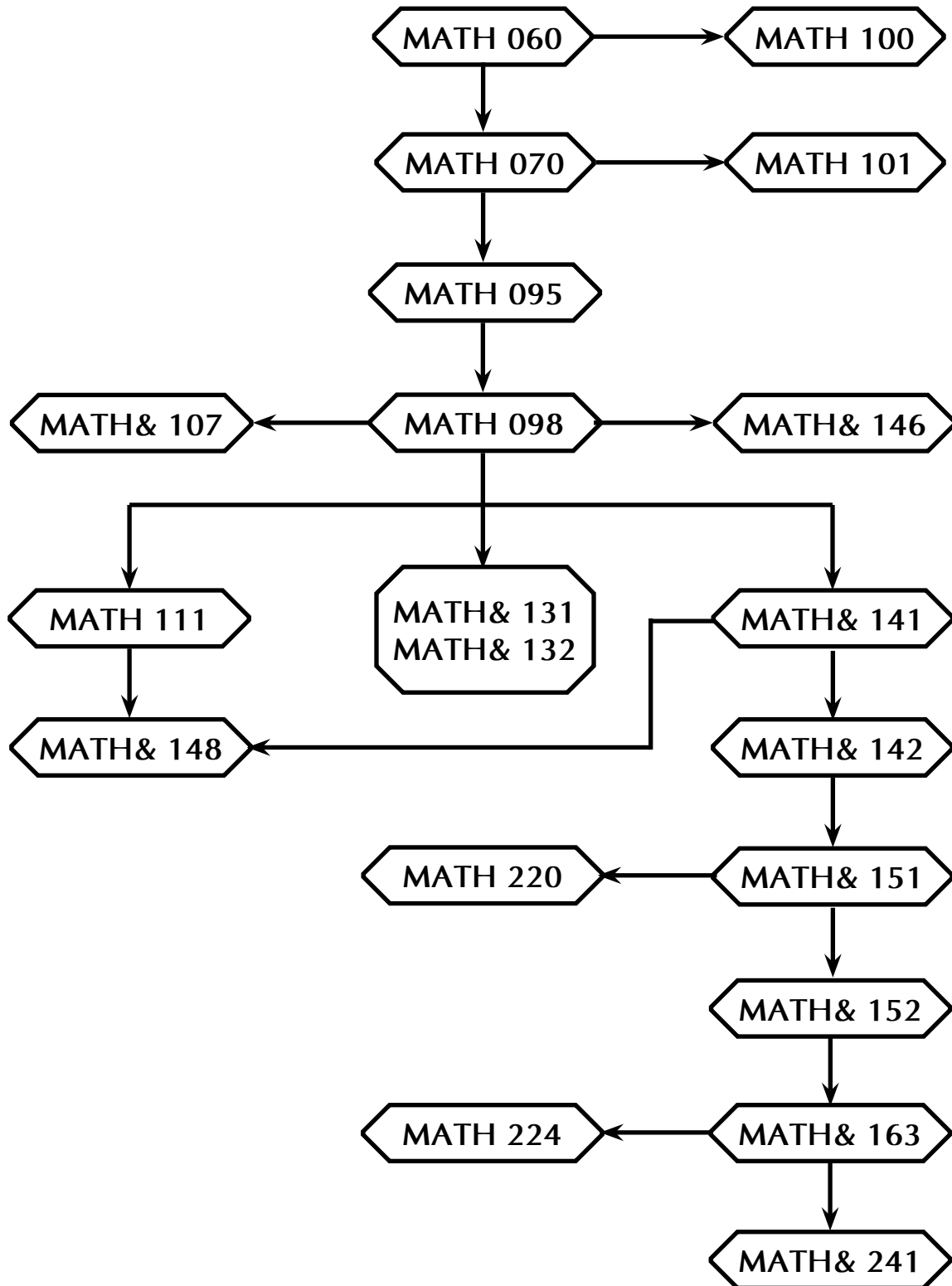
This course covers a variety of topics including percentage change and average growth rate; linear and exponential growth, the regression line; financial models and money management --- compound interest, loan payment and savings plans; calculating probabilities and conditional probability; statistical reasoning --- data summary and presentation, measures of central tendency, variation, the normal distribution, experimental design and correlation and causation. The material is presented at a level accessible to students who have successfully completed a course in intermediate algebra or the equivalent. It is taught at approximately the same level as college algebra and finite mathematics, but the material is intended to be more applicable to the liberal arts student. 5 lecture hours. Satisfies the quantitative skills requirement, science distribution area F requirement or specified elective for the AA degree.

MATH 111 **5 Credits**
Introduction to Finite Mathematics

Prerequisite: A grade of "C" or better in MATH 098 or appropriate placement score.

MATH 111 is designed for transfer students majoring in business, and many of the social sciences. In addition to the prerequisite, it is assumed that students have a working knowledge of the material from MATH 098. Topics covered include linear, quadratic, exponential and logarithmic functions, systems of linear equations and inequalities with solution by simplex methods, and financial math. Applications are drawn from business, economics, and the management and social sciences. 5 lecture hours. Satisfies quantitative skills requirement, science distribution area F requirement or specified elective for the AA degree.

Math Course Sequence



MATH& 131 **5 Credits****Mathematics for Elementary Education 1**

Prerequisite: A grade of "C-" or better in MATH 098 or appropriate placement score.

MATH& 131 is the first of two courses that are designed to fulfill the requirements for entry into a bachelors program in elementary education at a four year university, including City University's BA program in elementary education. The major objective of this course is to prepare the prospective K-8 teacher to understand elementary school mathematical concepts taught from kindergarten through the eighth grade. MATH& 131 focuses on problem solving techniques, place value, numeration and computation, fractions, decimals, percents, ratios and proportional reasoning, and number theory. In conjunction with studying these topics, students will improve their abilities to recognize patterns and make connections to the mathematical ideas explored. Each student will be expected to justify his or her reasoning and communicate the results through such means as group activities, written discussions, oral presentations and/or other methods. 5 lecture hours. Students who complete both MATH& 131 and MATH& 132 will satisfy the quantitative skills requirement (MATH& 131) and be granted 5 Credits of specified elective credit.

MATH& 132 **5 Credits****Mathematics for Elementary Education 2**

Prerequisite: A grade of "C-" or better in MATH 098 or appropriate placement score.

MATH& 132 is the second of two courses that are designed to fulfill the requirements for entry into a bachelors program in elementary education at a four year university, including City University's BA program in elementary education. The major objective of this course is to prepare the prospective K-8 teacher to understand elementary school mathematical concepts taught from kindergarten through the eighth grade. MATH& 132 focuses on statistics, probability, geometric figures and measurement. In conjunction with studying these topics, students will improve their abilities to recognize patterns and make connections to the mathematical ideas explored. Each student will be expected to justify his or her reasoning and communicate the results through such means as group activities, written discussions, oral presentations and/or other methods. 5 lecture hours. Students who complete both MATH& 131 and MATH& 132 will satisfy the quantitative skills requirement (MATH& 131) and be granted 5 Credits of specified elective.

MATH& 141 **5 Credits****Precalculus I**

Prerequisite: A grade of "C+" or better in MATH 098 or appropriate placement score.

MATH& 141 is the first course in the standard precalculus sequence. This course and MATH& 142 are designed for students intending to take calculus and/or physical science courses. Content includes: the definition of a function; linear functions; graphs of functions; inverse functions; quadratic functions; exponential functions; logarithmic functions; and triangle trigonometry. Applications are drawn from the natural and social sciences, and engineering. 5 lecture hours. Satisfies the quantitative skills requirement, science distribution area F requirement, or specified elective for the AA degree.

MATH& 142 **5 Credits****Precalculus II**

Prerequisite: A grade of "C" or better in MATH& 141 or appropriate placement score.

MATH& 142 is the second course in the standard precalculus sequence and it continues the preparation for calculus and/or physical science courses begun in MATH& 141. Content includes: a review of right triangle trigonometry; trigonometric functions; inverse trigonometric functions; trigonometric identities; polar coordinates; vectors; polynomial functions; rational functions; parametric equations; and conic sections. Applications are drawn from the natural and social sciences, and engineering. 5 lecture hours. Satisfies the quantitative skills requirement, science distribution area F requirement, or specified elective for the AA degree.

MATH& 146 **5 Credits****Introduction to Statistics**

Prerequisite: A grade of "C" or better in MATH 098 or appropriate placement score.

MATH& 146 is a standard introductory course in basic statistics. Content includes: the graphical display of data; the numerical summary of data; the normal distributions of data; the basics of surveys and experiments; basic probability theory; the central limit theorem; sampling distributions; confidence intervals; hypothesis tests; the t-distribution; correlation; and linear regression. Applications are drawn from business, social and natural sciences, and current events. 5 lecture hours. Satisfies quantitative skills requirement or science distribution area F requirement or specified elective for the AA degree.

MATH& 148 **5 Credits****Business Calculus**

Prerequisite: A grade of "C" or better in MATH 111 or MATH& 141.

MATH& 148 is designed for transfer students majoring in business and many of the social sciences. Topics covered include differentiation, applications of derivatives, anti-differentiation, basic differential equations, integration, and partial derivatives. Applications are drawn from business, economics, and the management and social sciences. 5 lecture hours. Satisfies quantitative skills requirement, science distribution area F requirement, or specified elective for the AA degree.

MATH& 151 **5 Credits**
Calculus I
Prerequisite: A grade of "C" or better in MATH& 142 or appropriate placement score.

MATH& 151 is the first course of the standard calculus sequence. Content includes: limits; the derivative; differentiation of the elementary functions; implicit differentiation; related rates; analysis of extreme values and curvature of functions; applied optimization; antiderivatives; and an introduction to the definite integral. Applications are taken from the natural and social sciences, and engineering. 5 lecture hours. Satisfies quantitative skills requirement, science distribution area F requirement or specified elective for the AA degree.

MATH& 152 **5 Credits**
Calculus II
Prerequisite: A grade of "C" or better in MATH& 151.

MATH& 152 is the second course of the standard calculus sequence. Content includes: the definite integral; the fundamental theorem of calculus; techniques of integration; separable differential equations; infinite series; and, applications including volume, work, exponential growth and decay, and several applications of separable differential equations. Applications are taken from the natural and social sciences, and engineering. 5 lecture hours. Satisfies quantitative skills requirement, science distribution F requirement or specified elective for the AA degree.

MATH& 163 **5 Credits**
Calculus 3
Prerequisite: A grade of "C" or better in MATH& 152 or appropriate placement score.

MATH& 163 is the third course of the standard calculus sequence. Content includes: parametric equations; polar coordinates; vectors and the geometry of space; analysis of vector functions; differentiation and optimization of functions of several variables; and multiple integration. Applications are taken from the natural and social sciences, and engineering. 5 lecture hours. Satisfies quantitative skills requirement, science distribution area F requirement or specified elective for the AA degree.

MATH 220 **5 Credits**
Linear Algebra
Prerequisites: A grade of "C" or better in MATH& 151 or concurrent enrollment in MATH& 151.

MATH 220 is a first course in Linear Algebra. Content includes: systems of linear equations, matrices, matrix factorizations, vector spaces and subspaces, orthogonality, least squares, determinants, eigenvalues, and eigenvectors. Applications are taken from the sciences and engineering. 5 lecture hours. Satisfies science distribution area F requirement or specified elective for the AA degree.

MATH 224 **3 Credits**
Calculus 4

Prerequisites: A grade of "C" or better in MATH& 163.
MATH 224 is the fourth course of the standard calculus sequence. Content includes: the general chain rule for functions of several variables; triple integrals in rectangular, cylindrical and spherical coordinates; vector fields, line integrals; surface integrals; Green's theorem; Stokes' theorem; and the Divergence Theorem. Applications are taken from the natural sciences and engineering. 3 lecture hours. Satisfies science distribution area F requirement or specified elective for the AA degree.

MATH 241 **5 Credits**
Differential Equations I

Prerequisite: MATH& 163 or concurrent enrollment in MATH& 163.
MATH 241 is a standard first course in differential equations. Content includes: linear first order equations; separable equations; growth and decay problems; linear second order equations; variation of parameters; undetermined coefficients; damped harmonic motion; electric circuits; series solution method; Laplace transforms; Dirac delta function; linear systems; eigenvalue-eigenvector solution method; non-homogenous linear systems; and basic linear algebra needed for linear systems. Applications are taken from the natural and social sciences and engineering. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

Music

MUSIC 100 **5 Credits**
Music Fundamentals

Prerequisites: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101.
This course is designed for preparing elementary education majors for the upper division course or courses which they will take to complete the education degree. This course is also aimed at the student seeking an AA degree who may have an interest more in learning the mechanics of music reading and composition rather than the more general music history taught in MUSC& 105. In addition, this course is aimed at students who wish to major in music, but who do not have enough basic skills to begin the Music Theory sequence. 5 lecture hours. Satisfies humanities distribution area C requirement or specified elective for the AA degree.

MUSC& 105 **5 Credits**
Music Appreciation

Prerequisites: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101.
The purpose of this course is to expand the student's musical listening pleasure through a brief study of the elements of music and the major periods of music history with an emphasis on the Classical and Romantic Periods. Exploration of music from other cultures will also be included. 5 lecture hours. Satisfies humanities distribution area C requirement or specified elective for the AA degree.

MUSIC 117 **1 Credit**
Beginning Piano Techniques I
 This course is designed for music majors or students desiring basic keyboard performance skills. MUSIC 117 is a beginning course which covers the relationship of the grand staff notation to the piano keyboard, basic rhythm notation, major and minor five-finger patterns, triads, and formulating major scales. Emphasis is also placed on harmonization, transposition, improvisation, and playing by ear. Repertoire played uses these concepts. 2 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 118 **1 Credit**
Beginning Piano Techniques II
Prerequisite: MUSIC 117 or instructor permission.
 This course is a continuation of MUSIC 117. This in-depth study covers major scales, formation of relative minor scales, triad inversions, introduction of augmented and diminished triads, seventh chords, chord symbols, variations of bass patterns, intricate rhythm notations, arrangements and variations. Coursework includes written notation, harmonization, improvisation, and playing by ear. Repertoire played uses these concepts. 2 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 119 **1 Credit**
Beginning Piano Techniques III
Prerequisite: MUSIC 118 or instructor permission.
 This course is a continuation of MUSIC 118 and continues major and minor scale study, arpeggios, cadences and other harmonic progressions, rhythmic syncopation, double sharps and double flats, keyboard improvisation, transposition, harmonization and composition. Repertoire includes various historical keyboard periods. Repertoire played uses these concepts. 2 lab hours. Satisfies specified elective requirement for the AA degree.

MUSC& 121 **2 Credits**
Ear Training 1
Corequisite: Concurrent enrollment in MUSC& 131.
 Beginning ear training within major and minor scales as well as sight singing within the octave, the basic major and minor intervals to a fifth, whole and half steps, triad qualities, primary chords in harmonic progressions, and rhythmic dictation of quarters, eighths and half notes and quarter rests. 2 lecture hours. Satisfies humanities distribution area C requirement or specified elective for the AA degree.

MUSC& 122 **2 Credits**
Ear Training 2
Recommended Preparation: Concurrent enrollment in MUSC& 132. Prerequisite: MUSC& 121.
 Intermediate listening, melodic and harmonic dictation to the octave, and harmonic dictation to include minor chords, basic chord identification, sight singing and part singing, rhythmic dictation to include sixteenth notes. 2 lecture hours. Satisfies specified elective requirement for the AA degree.

MUSC& 123 **2 Credits**
Ear Training 3
Recommended Preparation: Concurrent enrollment in MUSC& 133. Prerequisite: MUSC& 122.
 Advanced listening, identification of seventh chords, major and minor chords, augmented and diminished chords, advanced melodic and harmonic dictation, advanced sight singing. 2 lecture hours. Satisfies specified elective requirement for the AA degree.

MUSC& 131 **3 Credits**
Music Theory 1
Prerequisites: Concurrent enrollment in MUSC& 121; basic piano or guitar skills, or concurrent enrollment in MUSIC 117.
 This is the first class of the music theory sequence required by music majors. Notation, scales, keyboard harmony, intervals, triads, terminology, analysis of simple harmony and beginning ear training. 3 lecture hours. Satisfies humanities distribution area C requirement or specified elective for the AA degree.

MUSC& 132 **3 Credits**
Music Theory 2
Recommended Preparation: Concurrent enrollment in MUSC& 122 or instructor permission. Prerequisites: MUSC& 121; MUSC& 131.
 Continuation of MUSC& 131 with emphasis on harmonic analysis and four-part writing. 3 lecture hours. Satisfies specified elective requirement for the AA degree.

MUSC& 133 **3 Credits**
Music Theory 3
Recommended Preparation: Concurrent enrollment in MUSC& 123 or instructor permission. Prerequisites: MUSC& 122; MUSC& 132.
 Continuation of MUSC& 132 with emphasis on harmonic analysis and four-part writing. 3 lecture hours. Satisfies specified elective requirement for the AA degree.

MUSIC 150 **1 Credit**
Applied Music Piano
Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.
 Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 151 **1 Credit**
Applied Music Strings
Prerequisite: Permission of instructor or music director required. Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.
 Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 152 **1 Credit**
Applied Music Voice
Prerequisite: Permission of instructor or music director required.
Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.
 Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 154 **1 Credit**
Applied Music Woodwinds
Prerequisite: Permission of instructor or music director required.
Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.
 Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 155 **1 Credit**
Applied Music Brass
Prerequisite: Permission of instructor or music director required.
Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.
 Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 156 **1 Credit**
Applied Music Percussion
Prerequisite: Permission of instructor or music director required.
Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.
 Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 157 **1 Credit**
Applied Music Guitar
Prerequisite: Permission of instructor or music director required.
Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.
 Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 158 **1 Credit**
Applied Jazz Piano
Prerequisite: Permission of instructor or music director required.
Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.
 Private lessons - one thirty-minute lesson and six hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 161 **1 Credit**
Symphony Orchestra
Prerequisite: Instructor permission or audition required.
 Credit is given to college students who are regular members of the Grays Harbor Symphony. 2 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 162 **1 Credit**
Pit Orchestra I
Prerequisite: Instructor permission or audition required.
 Credit is given to college students who are regular members of the pit orchestra for the Grays Harbor College musical production. Two lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 171 **1 Credit**
Civic Choir
Prerequisite: Instructor permission or audition required.
 Credit is given to college students who are regular members of the Civic Choir. 2 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 173 **1.5 Credits**
Jazz Choir
Prerequisite: Instructor permission or audition required.
 This group performs a wide variety of vocal jazz. There will be a minimum of one concert a quarter, but often more concerts each quarter. 3 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 181 **1.5 Credit**
Jazz Band
Prerequisite: Instructor permission or audition required.
 This is a performance group which will play a variety of big-band styles from the 40's to present. 3 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 186 **1 Credit**
Hand Drumming I
Prerequisite: Instructor permission.
 This hands-on class is for anyone. Absolutely no experience in drumming or music is required. Conga-style drums and hand percussion from Africa and Latin America will be explored. Students will learn how to hit the drum to get the desired sounds and patterns and put them all to rhythm. 2 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 217 **1 Credit**
Intermediate Piano I
Prerequisite: MUSIC 117 or instructor permission.
 This course, a continuation of MUSIC 119, reviews harmonizing, accompanying, transposing and sight reading skills and introduces arpeggios, substitute chords and Dominant of the Dominant. Playing by ear, transposition, harmonization, and improvisation are continued. Music majors have specific qualifications to fulfill for this course. 2 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 218 **1 Credit****Intermediate Piano II**

Prerequisite: MUSIC 217 or instructor permission.

This course, a continuation of MUSIC 217, reviews harmonizing, accompanying, transposing and sight reading skills and introduces voicing seventh chords and jazz symbols. Repertoire from various historical periods, history and corresponding keyboard ornamentation and some jazz harmonizations. Music majors have specific qualifications to fulfill for this course. 2 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 219 **1 Credit****Intermediate Piano III**

Prerequisite: MUSIC 218 or instructor permission.

This course, a continuation of MUSIC 218, introduces diminished seventh chords in modulating patterns and progressions. Repertoire from various historical periods and some jazz harmonizations. Music majors have specific qualifications to fulfill for this course. 2 lab hours. Satisfies specified elective requirement for the AA degree.

MUSC& 221 **2 Credits****Ear Training 4**

Recommended Preparation: Concurrent enrollment in MUSIC 231.

Prerequisite: MUSC& 123

Continuation of ear training. Basic intervals within the octave as well as sight singing within the octave, major and minor scales. Review of concepts presented in first-year ear training. Inclusion of more difficult intervals and rhythms in melodic dictation. Harmonic dictation includes all diatonic chords and inversions, advanced rhythmic dictation. 2 lecture hours. Satisfies specified elective requirement for the AA degree.

MUSC& 222 **2 Credits****Ear Training 5**

Recommended Preparation: Concurrent enrollment in MUSIC 232.

Prerequisite: MUSC& 221.

Intermediate listening, melodic and harmonic dictation, seventh chord identification and use within harmonic progressions, sight singing and part singing. 2 lecture hours. Satisfies specified elective requirement for the AA degree.

MUSC& 223 **2 Credits****Ear Training 6**

Recommended Preparation: Concurrent enrollment in MUSIC 233.

Prerequisite: MUSC& 222.

Advanced listening, identification of seventh chords, and altered chords, advanced melodic and harmonic dictation, advanced sight singing. 2 lecture hours. Satisfies specified elective requirement for the AA degree.

MUSIC 231 **3 Credits****Intermediate Harmony**

Recommended Preparation: Concurrent enrollment in MUSC& 221.

Prerequisite: MUSC& 133 or instructor permission.

Secondary dominants, modulation, chromatic harmony; introduction to form and analysis. 3 lecture hours. Satisfies specified elective requirement for the AA degree.

MUSIC 232 **3 Credits****Advanced Harmony I**

Recommended Preparation: Concurrent enrollment in MUSC& 222.

Prerequisite: MUSIC 231 or instructor permission.

Continuation of MUSIC 231 with emphasis on original composition as an approach to form and analysis. 3 lecture hours. Satisfies specified elective requirement for the AA degree.

MUSIC 233 **3 Credits****Advanced Harmony II**

Recommended Preparation: Concurrent enrollment in MUSC& 223.

Prerequisite: MUSIC 232 or instructor permission.

Continuation of MUSIC 232 with emphasis in the modern idiom. 3 lecture hours. Satisfies specified elective requirement for the AA degree.

MUSIC 250 **2 Credits****Advanced Applied Music Piano**

Prerequisite: Permission of instructor or music director required.

Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 251 **2 Credits****Advanced Applied Music Strings**

Prerequisite: Permission of instructor or music director required.

Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 252 **2 Credits****Advanced Applied Music Voice**

Prerequisite: Permission of instructor or music director required.

Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 254 **2 Credits****Advanced Applied Music Woodwinds**

Prerequisite: Permission of instructor or music director required.

Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.

Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 255 **2 Credits**
Advanced Applied Music Brass
Prerequisite: Permission of instructor or music director required.
Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.
 Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 256 **2 Credits**
Advanced Applied Music Percussion
Prerequisite: Permission of instructor or music director required.
Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.
 Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 257 **2 Credits**
Advanced Applied Music Guitar
Prerequisite: Permission of instructor or music director required.
Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.
 Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 258 **2 Credits**
Advanced Applied Jazz Piano
Prerequisite: Permission of instructor or music director required.
Lesson fee required. Music majors who are carrying a full load may receive exemption from the fee for one applied music course per quarter.
 Private lessons - one one-hour lesson and twelve hours of practice per week. Satisfies specified elective requirement for the AA degree.

MUSIC 261 **1 Credit**
Symphony Orchestra
Recommended Preparation: MUSIC 161 or instructor permission.
 A continuation of MUSIC 161.
 2 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 262 **1 Credit**
Pit Orchestra II
Recommended preparation: MUSIC 162 or instructor permission.
 A continuation of MUSIC 162. Two lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 271 **1 Credit**
Civic Choir
Recommended Preparation: MUSIC 171 or instructor permission.
 A continuation of MUSIC 171.
 2 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 273 **1.5 Credits**
Jazz Choir
Recommended Preparation: MUSIC 173 or instructor permission.
 A continuation of MUSIC 173.
 3 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 281 **1 Credit**
Jazz Band
Recommended Preparation: MUSIC 181 or instructor permission.
 A continuation of MUSIC 181.
 3 lab hours. Satisfies specified elective requirement for the AA degree.

MUSIC 286 **1 Credit**
Hand Drumming II
Instructor permission.
 A continuation of MUSIC 186. 2 lab hours. Satisfies specified elective requirement for the AA degree.

Natural Resources

NR 101 **5 Credits**
Introduction to Forest Management
Prerequisites: ENGL 095 or placement in ENGL& 101; MATH 098 or higher; or instructor permission.
 This introductory course will focus on the principles, economics and concepts of how contemporary forests are managed. Sustainable forest management will be emphasized relating to certification systems, fragmentation, and current forest regulations. Significant policy and regulatory issues with respect to public conflict and participation in forest management on both the federal and state level will be included in this course. Students will be required to evaluate a management or policy that is focused on forests and present it to the class as part of this curriculum. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

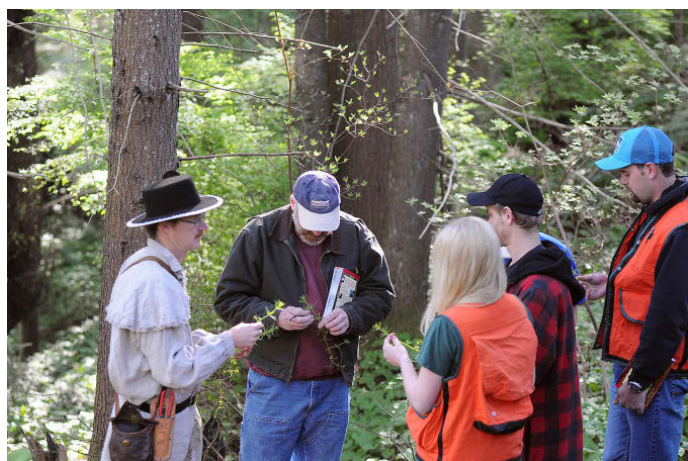
NR 110 **5 Credits**
Principles of GIS
Prerequisites: ENGL 095 or placement in ENGL& 101; MATH 098 or placement in MATH 107; or instructor permission.
 The course will provide students a basic knowledge of geographical information systems (e.g., sources of GIS data, various data models, capturing GIS data and manipulating GIS data). Concepts in geography, spatial data, and their integration will be included. Lectures will convey an understanding of the fundamental principles of GIS. One of the objectives of the course is to provide students with hands on experience with GIS/GPS hardware and software components. Lectures will also be supplemented with guest lectures in the application of GIS from individuals working in a diversity of application areas. 3 lecture hours. 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

NR 120**5 Credits****Society and Natural Resources***Prerequisites: ENGL 095 or placement in ENGL& 101.*

This course will provide students with a broad overview of the role of social sciences (e.g., sociology, political science and economics) and critical decision making related to the allocation of limited natural resources. Lectures will cover the basis of natural resource issues, role of social science in natural resources management and how sustainability factors into this role. The curriculum will focus on case studies that highlight specific resource management issues with an emphasis on issues in the Pacific Northwest. Lectures will be supplemented with guest presentations from individuals that represent a variety of natural resource stakeholders (tribal, state, federal and private) in Western Washington. Labs will allow students to investigate contemporary resource issues and prepare a report on a specific environmental topic. 4 lecture hours; 2 lab hours. Vocational program course. May be used as a general elective in the AA degree.

NR 131**5 Credits****Forest Ecology - Plant Taxonomy***Prerequisite: ENGL 095 or placement in ENGL& 101; or instructor permission.*

Part one of a three part forest ecology series. Lectures will focus on basic biology, life history and distribution of plants. Laboratory exercises will focus on the taxonomy and identification methods relevant to plants of the Pacific Northwest. An emphasis will be placed on higher plants including major tree species found in the region along with the use and understanding of dichotomous keys. Students will be evaluated on both the lecture and laboratory material, however, the focus of the curriculum will be identification and description of the plants in the field. Students will be required to maintain a field journal of plants identified during labs. This course will be taught in an accelerated format being completed in a two-week period. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

**NR 150****5 Credits****Forest Ecology - Disturbances***Prerequisite: ENGL 095 or placement in ENGL& 101; or instructor permission.*

Part two of a three part forest ecology series. This ecology course will focus on the basic of ecological interaction of plants, animals and the environment with an emphasis on events that cause significant changes of our forest plant communities. Lectures will introduce insects and diseases endemic to the Pacific Northwest, fire and history dynamics, gap/patch disturbances caused by wind, and how flooding alters our riparian communities. Climate change will be interwoven in relation to these disturbance agents in today's forests. Laboratory will focus on life history, basic biology and identification of insects and diseases, fire effects and management, and measures of weather and climate. Students will be evaluated on both lecture and laboratory material and will be required to maintain a field journal during labs. This course will be taught in an accelerated format being completed in a 2 week period. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

NR 158**1 Credit****Work Experience Seminar***Prerequisites: ENGL 095 or placement in ENGL& 101; or instructor permission.*

This five week seminar will prepare the student for the cooperative work experience required for the Natural Resource program. We will explore options for positions as summer intern through research on the internet, local agencies and other conventional means. Students will learn to complete a job application, edit, revise or create a resume, prepare a cover letter, establish personal references and learn proper interview techniques. Lectures will be designed to provide the foundation for these documents while the students will apply this in a real life situation with the desired outcome of securing a summer internship. Variable lab hours. Vocational program course. May be used as a general elective in the AA degree.

NR 160**5 Credits****Forest Ecology - Habitats***Prerequisite: ENGL 095 or placement in ENGL& 101; or instructor permission.*

Part three of a three part ecology series. This class will explore the complex and diverse ecosystems found in the Pacific Northwest. Ecological principles will be discussed including succession, plant associations and site characteristics that have shaped the wide variety of habitats found in the region. Biodiversity, population ecology and community ecology will be emphasized within the context of ecosystem sustainability. Labs will consist of two extended field trips covering terrestrial landscapes found along the coast, in the Cascade interior and eastside of Washington. A field journal of locations visited will be maintained. This course will be taught in an accelerated format being completed in a two-week period. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

NR 250 **5 Credits**
GIS & Remote Sensing in Natural Resource Management

Prerequisites: NR 110 or instructor permission.

The course emphasizes the application of geographic information systems (GIS) and techniques of remote sensing in natural resource management. It provides students with methods in acquisition, processing, and interpretation of the primary data derived from various sensors on a practical level. Additionally, the course will expose students to photogrammetry techniques in area determination, scale, height management, and forest stand analysis. Use of global positioning satellite (GPS) systems, USGS quad maps, legal land descriptions and corner search techniques will also be introduced. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

NR 258 **1-5 Credits**
Cooperative Work Experience

Prerequisite: Instructor permission.

Students participate in on-the-job training with natural resource agencies, tribes, and private industry. Forestry, fisheries, wildlife, and other natural resources are the focus of this work experience. Trainees keep a daily diary of work, are evaluated periodically by their supervisor, and submit a final summary of their work. Students can participate for a maximum of ten Credits (up to 5 Credits per term). Variable lab hours. Vocational program course. May be used as a general elective in the AA degree.

NR 259 **1-5 Credits**
Cooperative Work Experience

Prerequisite: Instructor permission.

Students participate in on-the-job training with natural resource agencies, Tribes, and private industry. Forestry, fisheries, wildlife, and other natural resources are the focus of this work experience. Trainees keep a daily diary of work, are evaluated periodically by their supervisor, and submit a final summary of their work. Students can participate for a maximum of ten Credits (up to 5 Credits per term). Variable lab hours. Vocational program course. May be used as a general elective in the AA degree.

NR 260 **5 Credits**
Forest Mensuration

Prerequisites: ENGL 095 or placement in ENGL& 101; MATH 098 or higher: or instructor permission

This course covers a variety of measurement requirements in the field of forestry including: measuring equipment, log scaling practices, forest product measurement, sampling statistics, timber cruising and inventory techniques, log rule and volume tables, log and tree grading, growth measurement, computer applications, land surveying techniques, deed and title searches and land descriptions. Labs will emphasize the use of field equipment and techniques necessary to measure forest resources such as: hand held instruments, pacing and chaining, map reading, and field data recorders. Some of the labs will be done at the school forest and may involve day long labs 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

NR 270 **5 Credits**
Silviculture

Prerequisites: ENGL 095 or placement in ENGL& 101; MATH 098 or higher: or instructor permission

Silviculture is a fundamental course in the field of forestry. This course covers key issues of methods of regeneration, site preparation, planting practices, animal damage control, intermediate treatments, nursery practices, seed orchards, pesticide use, application, and safety, prescribed burning, precommercial and commercial thinning and harvest treatments. Labs will emphasize silvics of regionally important trees and practical, applied management prescription development at the school forest. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

NR 280 **5 Credits**
Harvest Systems & Products

Prerequisites: ENGL 095 or placement in ENGL& 101; MATH 098 or higher: or instructor permission

This course is designed to expose the student to the variety of harvest techniques used to remove products from the forest. In addition we will cover subjects including: cost analysis, logging plans, wood products and other forest products, road layout and construction, best management practices (BMP's), timber appraisal and contracts. Labs will be conducted at the school forest and will emphasize wood identification, unit layout, identification of hazards, and hand and power tool safety. 3 lecture hours; 4 lab hours. Vocational program course. May be used as a general elective in the AA degree.

NR 285 **2 Credits**
Forest Resource Planning
Prerequisites: NR 101, NR 110, NR 250, NR 260, NR 270, NR 280, or instructor permission.
 This is a capstone course for the forest technician degree. The student will draw upon previous courses in the program to write a forest management plan that meets the standards of the American Tree Farm System. Students will meet with local forest land owners and work to either revise or create a management plan that will cover key topics of goals and objectives, stand and property descriptions, site conditions including soils, water courses and roads, forest health concerns, and fish and wildlife presence and habitat. A working map will be created with essential land characteristics identified. A final presentation will be made to the class and/or land owner along with the report. 2 lecture hours. Vocational program course. May be used as a general elective in the AA degree.

Nursing

CNA 102 **9 Credits**
Certified Nursing Assistant Training
Prerequisite: Students must complete Washington State Highway Patrol Criminal Background Check; provide documentation of TB skin test/chest X-ray and Hepatitis B immunization, and seasonal influenza vaccination; and instructor permission.
 The learner is introduced to basic nursing care, resident rights, safety and emergency nursing procedures. Principles of therapeutic relationships and client care are presented as well as the legal/ethical issues related to nursing assistant practice. Students demonstrate competencies required to assist in giving basic nursing care to patients in long-term care agencies under the supervision of the instructor. AIDS education and training (8 hours) and CPR certification (8 hours) are included. 5 lecture hours and 8 lab hours.

NURS 135 **1 Credit**
Nursing Pharmacology I
Prerequisite: Acceptance to the Nursing Program.
Corequisite: Concurrent enrollment in NURS 151
 The student examines the application of nursing process as it relates to pharmacology. Students will review basic math skills necessary for safe dosage calculations; and learn pharmacology principles and legal considerations. 1 lecture hour. Vocational program course. May be used as a general elective in the AA degree.

NURS 137 **1 Credit**
Nursing Pharmacology II
Prerequisite: Completion of NURS 151 & NURS 135 with a grade of B- or better.
Corequisite: Concurrent enrollment in NURS 153
 The student continues to examine the application of nursing process as it relates to pharmacology. Students will study drug actions, adverse effects, and nursing implications of drugs used to treat common health alterations of the immune, cardiac, respiratory, endocrine, and neurological systems. Increasingly complex math calculations as it relates to intravenous therapy will be included. 1 lecture hour. Vocational program course. May be used as a general elective in the AA degree.

NURS 139 **1 Credit**
Nursing Pharmacology III
Prerequisite: Completion of NURS 153 & NURS 137 with a grade of B- or better.
Corequisite: NURS 154
 The student continues to examine the application of nursing process as it relates to pharmacology. Students will study drug actions, adverse effects, and nursing implications of drugs used to treat common health alterations of the musculoskeletal and gastrointestinal systems and in the care of children with common health alterations, the child bearing family, and patients with cancer. Increasingly complex math calculations will be included. 1 lecture hour. Vocational program course. May be used as a general elective in the AA degree.

NURS 149 **2 Credits**
Transition from LPN to ADN
Prerequisites: Graduation from an approved practical nursing program. Current unencumbered Washington State LPN license. Acceptance into the ADN nursing program. Evidence of clinical practice within the last three years.
 This course is for students who are new to Grays Harbor College or who are former Grays Harbor College practical nursing program graduates who have been out of school for more than one year. It is designed to facilitate the articulation of the licensed practical nurse into the role of student in the associate degree program. The student will be introduced to the philosophy, conceptual framework, and conceptual organizers of the Grays Harbor College nursing curriculum. The LPN is introduced to the expectations of students in clinical courses and evaluated regarding ability to use nursing process and to perform sterile procedures and administer medications safely. Students will receive instruction in and opportunity to practice intravenous therapeutics. 1 lecture hour; 1 clinical hour.

NURS 151 **11 Credits**
Concepts Basic to Nursing

Prerequisites: Acceptance to the Nursing Program. Documentation of current NA-C in WA State or documentation of successful completion of an approved nursing assistant course within the past two years. Current CPR (BLS Healthcare Provider) Certification and immunizations on file in the Nursing Office. Completion of criminal background checking.

Corequisite: NURS 135.

The student is introduced to concepts basic to nursing including nursing roles, communication; ethical, legal, values, and attitudes; critical thinking; nursing process with emphasis on health assessment; professional responsibility and accountability; adaptation and maintenance of homeostasis; nursing interventions for clients experiencing fluid, electrolyte, or acid-base imbalances, and surgery. Care of patients with stable mental health alterations. The client as a holistic being is the central focus with emphasis on the aging individual. Students will be given the opportunity to apply concepts and skills in selected health care facilities. The student practices communication, health assessment, administration of medications, and sterile procedures in the campus lab and in clinical settings. 5 lecture hours; 12 clinical hours. Vocational program course. May be used as a general elective in the AA degree.

NURS 153 **12 Credits**
Common Health Alterations I

Prerequisites: NURS 151 and NURS 135 with a grade of "B-" or better.

Corequisites: NURS 137

The student will gain knowledge of nursing care of the client with selected common health alterations with nursing process and adaptation in health and illness as organizing frameworks. The focus includes concepts related to immune, cardiac, respiratory, neurological, and endocrine systems. The student has opportunities to integrate classroom concepts in acute and long-term care clinical settings. 6 lecture hours; 12 clinical hours. Vocational program course. May be used as a general elective in the AA degree.

NURS 154 **12 Credits**
Common Health Alterations II

Prerequisites: NURS 153 and NURS 137 with a grade of "B-" or better.

Corequisites: NURS 139

The student learns about nursing care of the client with selected common and stable health alterations with nursing process and adaptation in health and illness as organizing frameworks. The focus includes common health alterations of the musculoskeletal and gastrointestinal systems and the care of children with common health alterations, the childbearing family, and patients with cancer. The student has opportunities to integrate classroom concepts in acute and community based clinical settings with beginning practice of intravenous therapeutics. 6 lecture hours; 12 clinical hours. Vocational program course. May be used as a general elective in the AA degree.

NURS 198 **1 Credit**
Personal & Vocational Relationships PN

Prerequisites: Completion of NURS 135, 137, 139, 151, 153, and 154 with a grade of "B-" or better.

This is a course designed for nursing students wishing to take NCLEX-PN. It is approved by the Washington State Nursing Care Quality Assurance Commission to fulfill the requirements of the "Law as it relates to nursing practice in Washington State" WAC 246-840-575 (3) curriculum for approved nursing education programs: for practical nurse programs. This section of the Law requires practical nursing programs to include content about personal and vocational relationships and vocational and legal aspects of nursing.

NURS 251 **12 Credits**
Complex Health Alterations I

Prerequisites: NURS 154 with a grade of "B-" or better or Washington State LPN license and acceptance into AAS nursing program. (NNURS 149 required for LPNs who graduated from another program or GHC PN program graduates who completed the program longer than one year previous).

The student learns advanced principles and concepts related to the care of adults adapting to multi-system, high acuity health alterations. Nursing care of the client with complex health alterations of the cardiac, respiratory, endocrine, and neurological systems are studied. In addition, the student learns advanced care in emergency and trauma nursing. The student integrates advanced nursing concepts in caring for clients adapting to complex and life-threatening health alterations. The student applies nursing process in specialty areas, acute care and in community settings. The emphasis is on caring for more than one client with complex nursing care needs. 6 lecture hours; 12 clinical hours. Vocational program course. May be used as a general elective in the AA degree.

NURS 252 **12 Credits**
Complex Health Alterations II

Prerequisite: Completion of NURS 251 with a grade of "B-" or better.

The student continues the study of advanced principles and concepts related to the care of adults and children adapting to multi-system, high acuity health alterations. Concepts related to the care of adult clients with complex and life-threatening health alterations of reproduction including complications of childbearing, and problems of excretion are studied. In addition, students learn advanced concepts related to care of individuals and families with acute and life threatening mental health alterations. Concepts related to care of the children with complex health needs are also included. The student applies nursing process in specialty areas, acute care and in community settings. 6 lecture hours; 12 clinical hours. Vocational program course. May be used as a general elective in the AA degree.

NURS 253 **12 Credits**
Transition to Professional Practice
Prerequisite: NURS 252 with a grade of "B-" or better.
Corequisite: one (1) PE activity credit with grade of "C" or better.
 The student has the opportunity to explore role transition from student to professional practice. Community based nursing practice is explored as it relates to registered nursing practice. Leadership and management concepts are studied as they relate to managing care for groups of clients. Guiding principles of the course include working with others, time management, power and influence, managing conflicts, problem solving, sound clinical decision making, change process, and managing stress in the workplace. Current issues in contemporary nursing practice are studied, as are legal and ethical issues affecting nursing. 5 lecture hours. 14 clinical hours. Vocational program course. May be used as a general elective in the AA degree.

PE 106 **1 Credit**
Badminton
Prerequisite: Apparent good health or physician's approval for participation.
 This course is designed to meet the needs of all players interested in learning and improving their skills in badminton. 2 lab hours.

PE 108 **1 Credit**
Intermediate Pickleball
Prerequisite: Apparent good health or physician's approval for participation; PE 104 or instructor permission.
 A continuation of PE 104. Skills will be applied to support advanced techniques in court strategy connected with singles and doubles competition. This class will promote the benefits of pickle-ball as a lifetime activity. 2 lab hours.

PE 109 **1 Credit**
Basketball (Co-ed)
Prerequisite: Apparent good health or physician's approval for participation.
 Fundamental skills and rules of basketball are taught. Skills include shooting, dribbling, passing, individual and team defense and offense. 2 lab hours.

PE 110 **1 Credit**
Intermediate Basketball (Co-ed)
Prerequisite: Apparent good health or physician's approval for participation; PE 109 or instructor permission.
 This class is designed for those with a basic knowledge and ability to play basketball. The class will stress development of advanced skills and team play. 2 lab hours.

PE 112 **1 Credit**
Intermediate Badminton
Prerequisite: Apparent good health or physician's approval for participation; PE 106 or instructor permission.
 A continuation of PE 106. Skills will be applied to support advanced techniques in court strategy connected with singles and doubles competition. This class will promote the benefits of pickle-ball as a lifetime activity. 2 lab hours.

PE 113 **1 Credit**
Beginning Golf
 Students in this class will learn the fundamentals of the golf swing, putting, and chipping. The basic rules of golf and golf etiquette will also be emphasized, along with the benefits of golf as a lifetime fitness activity. Students must provide their own golf clubs, balls and golf course fees to participate. 2 lab hours.

Nutrition

NUTR& 101 **5 Credits**
Nutrition
Prerequisite: Grade of "C" or better in BIOL& 100 or BIOL& 160 or instructor permission.
 A study of the structure, function, and metabolism of nutrients and their roles in preventing diseases related to nutrient deficiency in healthy people. Analysis of food labels and diet planning. This course is intended for science, nonscience, and health sciences students. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

Philosophy

PHIL& 101 **5 Credits**
Introduction to Philosophy
Recommended Preparation: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101.
 An introduction to the oldest of academic disciplines, PHIL& 101 explores the discipline's basic issues and traditional tools: the nature of reality, the limits of knowledge, the meaning of human value, and, as its primary tool, the rigorous employment of rational argument. 5 lecture hours. Satisfies humanities distribution area G requirement or specified elective for the AA degree.

Physical Education

PE 104 **1 Credit**
Pickleball
Prerequisite: Apparent good health or physician's approval for participation.
 This class is designed to introduce the student to the game of pickleball. Fundamental instruction in the use of equipment as well as an emphasis on court strategy will be stressed. 2 lab hours.

PE 114 1 Credit**Intermediate Golf**

Prerequisite: PE 113.

This course is designed to help students not only learn how to improve their golf skills but their golf game. Emphasis will be on shot selection and shot execution. The rules of the game of golf and golf etiquette will also be taught. This class will promote the benefits of golf as a lifetime fitness activity. Students must provide their own clubs, golf balls and golf course fees to participate. 2 lab hours.

PE 116 1 Credit**Beginning Step Aerobics**

Prerequisite: Apparent good health or physician's approval for participation with modifications.

This class is designed to promote cardiovascular fitness through step aerobics routines set to music. Exercises for the abdominal muscles, hips, thighs and arms are also done to help strengthen and tone those muscle groups. 2 lab hours.

PE 117 2 Credits**Intermediate Step Aerobics**

Prerequisites: Apparent good health or physician's approval for participation with modifications; PE 116 or instructor permission.

This course is designed to provide instruction on the major areas of lifetime fitness and wellness utilizing step aerobics routines and floor work. Concepts and techniques taught in PE 116 will be enhanced and built upon, providing the student with the necessary information to continue this activity for a lifetime. 4 lab hours.

PE 118 2 Credits**Advanced Step Aerobics**

Prerequisites: Apparent good health or physician's approval for participation with modifications; PE 116 and PE 117 or instructor permission.

This class is designed to teach the student how to apply the principles of lifetime fitness and wellness utilizing step aerobics both in the class and outside the class. Students will be provided the opportunity to present a practical application of their knowledge during class. 4 lab hours.

PE 119 1 Credit**Beginning Social Dancing**

Prerequisite: Apparent good health or physician's approval for participation with modifications.

This course introduces the student to the beginning levels of basic social dances. Students will develop confidence in the social dance situation in addition to gaining appreciation of and techniques for swing, foxtrot, Latin, waltz, polka, and schottische rhythms. Lifetime enjoyment, utilization of social skills, and enrichment of mental and physical health will be emphasized. 2 lab hours.

PE 120 1 Credit**Beginning Softball**

Students in this class will learn the fundamental skills of fastpitch softball. The skills of hitting, fielding, throwing and pitching will be taught along with the basic strategies of offense and defense. The benefits of softball as a lifetime fitness activity will also be emphasized. Students must provide their own glove to participate. 2 lab hours.

PE 121 1 Credit**Exercise Walking, Beginning**

Prerequisites: Apparent good health or physician's approval for participation with modification.

This class is designed to improve aerobic fitness and overall wellness through walking. The three components of exercise walking - the stride, posture and arm swing - will be emphasized, as well as important flexibility exercises. After needed orientation and screening, each student will work on an exercise walking program appropriate to his or her current level of fitness. This course will also introduce the student to the basic principles of physical fitness and promote this activity for lifetime wellness. 2 lab hours.

PE 122 2 Credits**Intermediate Exercise Walking**

Prerequisites: Apparent good health or physician's approval for participation with modification; PE 121 or instructor permission.

This course will build on the principles of fitness and wellness learned in PE 121. After initial evaluation, each student will follow a walking program suited to his or her fitness level and more advanced walking techniques will be introduced. Students will learn the major components of lifetime fitness and wellness utilizing handouts and class discussion, all centered around the activity of exercise walking. 4 lab hours.

PE 124 1 Credit**Intermediate Softball**

Prerequisite: PE 120.

Students in this class will further develop their softball skills and learn more advanced strategies of fast-pitch softball. Offensive skills, other than hitting, will be introduced and team concepts will be further enhanced. The benefits of softball as a lifetime fitness activity will also be emphasized. Each student must provide their own glove to participate. 2 lab hours.

PE 125 1 Credit**Beginning Volleyball**

This course is designed to teach the fundamental skills of volleyball to the inexperienced or beginning-level player. The skills of serving, passing and spiking are emphasized along with basic strategies. The benefits of playing volleyball as a lifetime fitness activity are also emphasized. 2 lab hours.

PE 126 1 Credit**Intermediate Volleyball**

Prerequisite: PE 125 or instructor permission.

This class is designed to enhance the basic skills of volleyball learned in PE 125. The more advanced techniques of blocking, setting and hitting will also be taught. Different strategies of offense and serving will be emphasized. The benefits of playing volleyball as a lifetime fitness activity will also be discussed. 2 lab hours.

PE 127 1 Credit**Advanced Volleyball**

Prerequisite: PE 125 and PE 126 or instructor permission.

This class is designed for those with a basic knowledge and ability to play volleyball. The class will stress the development of advanced skills in the context of multiple offensive and defensive strategies. Emphasis will be on advanced techniques and building an understanding of the game itself. 2 lab hours.

PE 129 1 Credit**Weight Lifting**

Prerequisite: Apparent good health or physician's approval for participation with modifications.

This class is designed to orient the student to the correct use of weight training equipment for the purposes of lifetime fitness. Instruction will focus on lifting for the purposes of strength and conditioning. 2 lab hours.

PE 130 2 Credits**Intermediate Weight Lifting**

Prerequisite: Apparent good health or physician's approval for participation with modifications; PE 129 or instructor permission.

This is an intermediate level weight lifting program designed to help the student continue development of both size, strength and fitness conditioning. Emphasis will be placed on strength and endurance training. 4 lab hours.

PE 131 2 Credits**Advanced Weight Lifting**

Prerequisite: Apparent good health or physician's approval for participation with modifications; PE 130 or instructor permission.

This course requires the student to apply the physical fitness principles of weight lifting on an individual basis. Advanced weight training techniques are stressed. 4 lab hours.

PE 149 1 Credit**Mobility/Fitness for the Physically Challenged**

This course provides students who are coping with a recent injury or disability, and are therefore in need of assistance with basic mobility, an exercise program adapted to their own personal strengths and capabilities. Emphasis will include building self-esteem, improving mobility and learning to adapt to new lifestyle demands. Students must provide medical documentation of injury/disability, including limitations for exercise, before workouts can begin. Workouts must be completed between 9:00 a.m. - 12:00 p.m. 2 lab hours.

PE 150 2 Credits**Fitness for the Physically Challenged**

Prerequisite: PE 149 or instructor permission.

This course will provide an opportunity to improve fitness for a disabled student by providing an exercise program adapted to his or her own personal strengths and capabilities. Emphasis will include building self-esteem and improving overall fitness. Any student with a documented physical disability, including those on Labor and Industries or SSI, disabled veterans, and/or an independent insurance disability may register for this class. Documentation, including exercise limitations, must be provided before workouts can begin. Students must be available to workout between 9:00 a.m. - 12:00 p.m. 4 lab hours.

PE 151 2 Credits**Intermediate Fitness for Physically Challenged**

Prerequisite: PE 150 or instructor permission.

This class provides students a progressive and sequential step forward to continue to enhance their fitness level established in PE 150. Each student will be provided an exercise program adapted to his or her own improving strengths and capabilities. Course highlights will continue to build self-esteem and improve fitness awareness. Students must be available to work out between 9:00 a.m. - 12:00 p.m. 4 lab hours.

PE 155 1 Credit**Beginning Soccer**

This class is designed to introduce the basic skills and strategies of soccer to each student. Basic skills such as dribbling, passing, and shooting will be taught using technique drills while strategies will be learned through drills and team play. Soccer is an excellent aerobic activity and students will learn the benefits of aerobic fitness through participation in soccer as a lifetime wellness activity. 2 lab hours.

PE 156 1 Credit**Intermediate Soccer**

This class will emphasize continued skill development in the basic skills, along with the introduction of more advanced skills in depth. Strategies will be studied and applied during game play. The benefits of participating in soccer as a lifetime fitness activity will also be emphasized. 2 lab hours.

PE 165 1 Credit**Beginning Baseball**

This course is designed to teach the basic fundamental skills of baseball. Emphasis will be on throwing, batting, fielding and basic strategy. This course will also emphasize the benefits of all around fitness and lifetime activity. Time spent in class will be divided between drills and simulated scrimmage situations. The days and time of this class will be arranged by the instructor. Students must provide their own glove to participate. 2 lab hours.

PE 166 **1 Credit****Intermediate Baseball**

Prerequisite: PE 165.

This course is a continuation of the Beginning Baseball class and will build upon the skills and strategies learned there. Emphasis will be placed on continued skill development with more advanced skills taught. More sophisticated offensive and defensive strategies will also be developed. The days and time of this class will be arranged by the instructor. Students must provide their own glove to participate. 2 lab hours.

PE 170 **1 Credit****Fitness Lab**

Prerequisite: Apparent good health or physician's approval for participation with modifications.

This is a designed exercise system that will help the student become physically fit by training aerobically utilizing the concepts of circuit training within a personal exercise program. The goal for each student will be improved strength, fitness and flexibility. Proper technique and benefits of lifetime fitness will be emphasized. NOTE: Students should attend the first day of class. 2 lab hours.

PE 171 **2 Credits****Intermediate Fitness Lab**

Prerequisites: Apparent good health or physician's approval for participation with modifications; PE 170 or instructor permission.

This is an intermediate level exercise program that will help students continue the development of their physical fitness by training aerobically, using stations, with the theory of high repetition. The emphasis of the program will be increased strength, better aerobic fitness with continued or increased flexibility. 4 lab hours.

PE 172 **2 Credits****Advanced Fitness Lab**

Prerequisites: Apparent good health or physician's approval for participation with modification; PE 170 and PE 171 or instructor permission.

This course requires the student to apply the principles of physical fitness to his or her individual situation utilizing the fitness lab setting as well as outside opportunities. 4 lab hours.

PE 177 **2 Credits****First Aid/CPR**

This course is designed to meet Department of Labor and Industry, OSHA and WISHA requirements. Intended for all students with a desire to have or who are required to have first aid and CPR training. 2 lecture hours.

Physics**PHYS& 114** **5 Credits****General Physics with Lab I**

Prerequisites: A grade of "C" or better in MATH& 142 or concurrent enrollment in MATH& 142 or instructor permission.

This course covers the first term of the general physics program. It partially satisfies the pre-curriculum requirements in medicine, dentistry, forestry and related fields. The main topic studied is mechanics including motion, energy and momentum. Problem solving and laboratory practices are integrated with this work. 5 lecture hours; 2 lab hours. Satisfies science or lab requirement area E distribution requirement or specified elective for the AA degree.

PHYS& 115 **5 Credits****General Physics with Lab II**

Prerequisite: PHYS& 114.

A continuation of PHYS& 114, this course covers the second term of the general physics program. It partially satisfies the pre-curriculum requirements in medicine, dentistry, forestry and related fields. Topics studied include special relativity, heat, sound, fluid dynamics, and properties of matter. Problem solving and laboratory practices are integrated with this work. 5 lecture hours; 2 lab hours. Satisfies specified elective requirement for the AA degree.

PHYS& 116 **5 Credits****General Physics with Lab III**

Prerequisite: PHYS& 115.

A continuation of PHYS& 115, this course covers the third term of the general physics program. It satisfies the pre-curriculum requirements in medicine, dentistry, and related fields. Topics studied include light, electricity, magnetism, optics, atomic and nuclear physics. Physical principles are illustrated with many life science applications. Problem solving and laboratory practices are integrated with this work. 5 lecture hours; 2 lab hours. Satisfies specified elective requirement for the AA degree.

PHYS& 221 **5 Credits****Engineering Physics with Lab I**

Prerequisite: MATH& 151 or concurrent enrollment in MATH& 151, or instructor permission.

PHYS& 221, 222, and 223 are the year-long introductory sequence in physics required for students majoring in the physical sciences and engineering. Topics included in the sequence include classical mechanics, thermodynamics, electromagnetism, fluid mechanics, waves, optics, and a brief introduction to modern physics including special relativity, particle physics and quantum mechanics. Calculus is used and applications and problem solving are emphasized. The main topic in PHYS& 221 is Newtonian mechanics. 5 lecture hours; 2 lab hours. Satisfies science or lab requirement area E distribution requirement or specified elective for the AA degree.

PHYS& 222 **5 Credits****Engineering Physics with Lab II**

Prerequisites: PHYS& 221 and MATH& 152 or concurrent enrollment in MATH& 152 or instructor permission.

This course is a continuation of PHYS& 221. Topics include fluid mechanics, thermodynamics, and electromagnetism. 5 lecture hours; 2 lab hours. Satisfies specified elective requirement for the AA degree.

PHYS& 223 **5 Credits****Engineering Physics with Lab III**

Prerequisites: PHYS& 222 and MATH& 163 or instructor permission.

This course is a continuation of PHYS& 222. Topics include electromagnetism, waves, optics and modern physics. 5 lecture hours; 2 lab hours. Satisfies specified elective requirement for the AA degree.

Polish

See “Foreign Languages”

Political Science

POLS 102 **5 Credits****Law and Society**

Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading or instructor permission.

Laws affect each and every one of us, impacting both our public and private lives from birth until our death. This course has been designed to provide each student with a basic knowledge and understanding of how the law controls each person's actions, what rights the individual has under our laws, and how laws are introduced and changed. Law is a system of social thought and behavior and provides the framework within which our disputes are resolved. Law and Society will examine the impact that constitutional law, administrative law, criminal law, civil law, and family law have on the individual. 5 lecture hours. Satisfies social science distribution area B requirement or as a specified elective in the AA degree.

POLS 110 **5 Credits****Law and Justice**

Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading or instructor permission.

Law and Justice will examine the basic trends in law and the social changes made within our communities. The focus will be the study and analysis of the concepts of family law, labor-relations law, welfare law, and civil rights laws as they impact each and every one of us. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

POLS 200 **5 Credits****Foreign Policy of the United States**

Recommended Preparation: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101, or instructor permission. Completion of or concurrent enrollment in ENGL& 101.

This course offers a survey of the foreign policy adopted by the United States since 1898 and the responses to that policy in various areas of the world including Russia and the Soviet Union, China, the Middle East, and Central and South America. Emphasis will be placed on the conflicting interpretations of foreign policy controversies. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

POLS& 202 **5 Credits****American Government**

Recommended Preparation: READ 090 or placement in college level reading; ENGL 095 or placement in ENGL& 101, or instructor permission. Completion of or concurrent enrollment in ENGL& 101.

An introductory survey concerned with the political operation of the government of the United States, including origins of the Declaration of Independence and the Constitution, a close review of the three branches of government, the electoral process and a critique of current political issues. 5 lecture hours. Satisfies social science distribution area B requirement or specified elective for the AA degree.

POLS 204 **5 Credits****Introduction to Public Administration**

Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading or instructor permission. Completion of or concurrent enrollment in ENGL& 101.

This course will provide students with a basic knowledge of administrative functions within the public service. We will address concerns within the management of public programs found at all levels of government: federal, state, and local. Students will examine the work of public administrators in various aspects of organizations, from the Internal Revenue Service to the public works department in a city or county government. Students will become aware of the political and historical context within which public organizations operate and their commitment to public service. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

Power Plant Operations

See “Energy Technology”

Psychology

PSYC& 100 5 Credits

General Psychology

Recommended Preparation: Placement in ENGL& 101.

An introduction to psychology utilizing lectures and group exercises. Deals with the psychology of behavior, development, learning, cognition, motivation and emotion, perception, memory, and both normal and abnormal personalities. Provides an overview of modern psychology in terms of biological, social and intrapsychic factors. 5 lecture hours. Satisfies social science distribution area D requirement or specified elective for the AA degree.

PSYCH 106 3 Credits

Applied Psychology

Applications of theory and current research in psychology with major topics of personality, decision making, communications, motivation, learning and the workplace. Focuses on individual and group thought and behavior in the world of work. Emphasis is placed on change, personal and professional growth. 3 lecture hours. May be used as a general elective in the AA degree.

PSYC& 180 5 Credits

Human Sexuality

Recommended Preparation: ENGL 095 or placement in ENGL& 101.

A survey of the biological, psychosocial, behavioral, cultural, and clinical dimensions of human sexuality and their interrelationships. Specific topics covered will be determined by class interests and needs. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

PSYC& 200 5 Credits

Lifespan Psychology

Prerequisite: PSYC& 100 or instructor permission.

This course presents a comparative look at the various human development models. Students will have an opportunity to gain knowledge of the various stages of human development. This course typically fulfills basic requirements in human development for nursing, psychology and related occupations. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

PSYCH 210 5 Credits

Psychology of Adjustment

Recommended Preparation: ENGL& 101. Prerequisite: PSYC& 100 or instructor permission.

Emphasis is placed on practical application of knowledge and techniques within various theoretical frameworks. These frameworks are applied to normal adjustment situations in human lifespan, such as gender-role development, love, sex, relationships, work, marriage, separation and divorce, and death and loss. Students will explore methods of effecting change in their lives. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

PSYC& 220 5 Credits

Abnormal Psychology

Recommended Preparation: ENGL& 101. Prerequisite: PSYC& 100.

An introduction to the study of abnormal behavior utilizing lectures, group exercises and case studies. This course will cover organic and environmental etiology of abnormal behavior including various disorders related to stress, anxiety, substance abuse, sexuality and moods, as well as personality dysfunction. Also, methods of therapy including cognitive-behavioral, psychodynamic and experimental as they apply to individuals and groups will be discussed. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

PSYCH 250 5 Credits

Social Psychology

Prerequisite: SOC& 101 or PSYC& 100.

This course is the basic, beginning course in social psychology. Included in the course is a study of human nature within sociocultural systems. Group processes, perception, self-concept, attitudes, and symbolic interaction are investigated. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

Reading

READ 080 5 Credits

Developmental Reading/Study I

Prerequisite: Appropriate reading placement test score or instructor permission.

Extensive reading in texts and on computer of developmental (8.0 - 10.0 grade level) academic, vocational, motivational, and Internet passages coupled with short writing assignments to build literal comprehension skills, vocabulary, and basic study techniques such as organization, note-taking and exam preparation. 3 lecture hours; 4 lab hours.

READ 090 5 Credits

College Preparatory Reading/Study I

Prerequisite: Appropriate reading placement test score or instructor permission.

Extensive reading, in texts and on computer, of college preparation (10.0 - 12.9 grade level) academic, vocational, Internet, and general interest passages coupled with short writing assignments to build literal and inferential reading skills, vocabulary, and basic techniques such as note-taking, memory enhancement and exam preparation. 3 lecture hours; 4 lab hours.

Russian

See "Foreign Languages"

Sociology

SOC& 101 **5 Credits**

Introduction to Sociology

Recommended Preparation: ENGL 095 or placement in ENGL& 101.

An introduction to the principles, concepts, theories and methods of the sociological perspective. Emphasis is placed upon relating sociological ideas to national, community, and individual levels. 5 lecture hours. Satisfies social science distribution area C requirement or specified elective for the AA degree.

SOC 106 **5 Credits**

Juvenile Justice

Recommended Preparation: ENGL 095 or placement in ENGL& 101; READ 090 or placement in college level reading.

This course will examine how the juvenile justice process has evolved and expanded as society has sought to understand, control and influence change in the delinquent behavior of children and youth. SOC 106 will examine the attitudes of and crimes committed by juvenile offenders, the juvenile legal system, and the response by police, courts and juvenile corrections. 5 lecture hours. Satisfies social science distribution area C requirement or specified elective for the AA degree.

SOC 112 **5 Credits**

Criminology

Recommended Preparation: ENGL 095 or placement in ENGL 101; READ 090 or placement in college level reading or instructor permission.

An in-depth look at the causes of crime and the people who are committing them. Crime trends will be examined and students will become familiar with intervention techniques and methods to reduce criminal activity. Students will research crime trends and prevention strategies of local communities. 5 lecture hours. Satisfies social science distribution area C requirement or may be used as a specified elective in the AA degree.

SOC& 201 **5 Credits**

Social Problems

Recommended Preparation: SOC& 101.

Study and analysis of social, economic and political cases of contemporary social problems. Examination of poverty, racial inequality, crime, deviance, alienation and anomaly, suicide, family disorganization and other similar social issues. 5 lecture hours. Satisfies specified elective requirement for the AA degree.

SOC 252 **5 Credits**

Marriage and Family

Recommended Preparation: ENGL 095 or placement in ENGL& 101.

A study of the development of the family, the family and personality development, courtship, mate selection, predicting marital adjustment, disruption and reorganization. 5 lecture hours. Satisfies social science distribution area C requirement or specified elective for the AA degree.

Spanish

See "Foreign Languages"

Speech

SPCH 101 **5 Credits**

Fundamentals of Speech

Principles of effective oral communication including delivery, organization, content, and stress management. A functional approach to effective speaking with practical application in informative, impromptu, and persuasive speeches. 5 lecture hours. Satisfies humanities distribution area F requirement or specified elective for the AA degree.

SPCH 124 **1-5 Credits**

Broadcasting Practicum

Prerequisite: Instructor permission.

The course provides supervised work experience at a local radio or television station for students interested in pursuing careers in broadcasting, especially those who plan to transfer to four-year institutions in pursuit of such career goals. Variable hours. Satisfies general elective requirement for the AA degree.

SPCH 201 **3 Credits**

Fundamentals of Group Discussion

Introduction to problem solving in small groups. Emphasis is given to practical experience in group discussion participation and leadership. Additional attention is given to meeting management and panel discussion. 3 lecture hours. Satisfies humanities distribution area F requirement or specified elective for the AA degree.

Theatre Arts

DRMA& 101 **5 Credits**

Introduction to Theatre

Prerequisite: ENGL 095 or placement in ENGL& 101.

A theatre class from the spectator's point of view. All of the elements that make up the theatrical experience are examined including the contributions of the playwright, the director, the designer, and the actor. Professional and local productions are viewed and discussed in terms of both enjoyment and workability. 4 lecture hours, 2 lab hours. Satisfies humanities distribution area B requirement or specified elective for the AA degree.

THEA 151 **1-3 Credits**

Theatre Workshop

This class is made up of those who are in the cast or on the production staff of the play or plays being presented that quarter. A student may take this course six quarters. Satisfies specified elective requirement for the AA degree.



THEA 161 **4 Credits**
Introduction to Acting

An introduction to drama as a performing art with emphasis upon physical movement and the use of voice in the development of characterization. A functional approach to the basic techniques of acting with an in-class performance final. 4 lecture hours. Satisfies humanities distribution area B requirement or specified elective for the AA degree.

THEA 163 **3 Credits**
Introduction to Directing

Application of directing and staging techniques upon selected scenes and short plays for laboratory purposes. Included are the fundamentals of blocking, the achievement of emphasis and the development of aesthetic values. 3 lecture hours. Satisfies humanities distribution area B requirement or specified elective for the AA degree.

THEA 235 **4 Credits**
Stagecraft

Prerequisite: ENGL 095 or placement in ENGL& 101.
 Principles of set construction including design, drafting, technical production, scenery construction, color, scene painting, and the handling of scenery. 4 lecture hours. Satisfies specified elective requirement for the AA degree.

THEA 236 **4 Credits**
Stage Lighting

Prerequisite: ENGL 095 or placement in ENGL& 101.
 Principles of stage lighting including color and light, distribution intensity, light plotting and electricity. 4 lecture hours. Satisfies specified elective requirement for the AA degree.

THEA 270 **3 Credits**
Stage Makeup

Prerequisite: ENGL 095 or placement in ENGL& 101.
 Principles of stage makeup including corrective, modeling with paint, three-dimensional, creation of beards and mustaches, and non-realistic. A workshop to develop skills with practical application in stage makeup techniques. 3 lecture hours. Satisfies specified elective requirement for the AA degree.

Welding Technology

WELD 100 **6 Credits**

Welding Blueprint Reading

Prerequisites: Placement in ENGL 060, READ 080. MATH 060 with "B" or better or placement in MATH 100 or BMCT score of 38 or higher. Instructor permission required.

Introduction to shop drawings, welding symbols, and basic blueprints. Emphasis is on interpretation of drawing information in order to determine individual part, joint, and weld dimensions. 3 lecture hours; 6 lab hours. Vocational program course. May be used as a general elective in the AA degree.

WELD 101 **6 Credits**

Related Welding I

Students are given an overview of welding employment opportunities, the most common welding processes (SMAW, GMAW, FCAW and GTAW), and oxyacetylene cutting and heating. 3 lecture hours; 6 lab hours. Vocational program course. May be used as a general elective in the AA degree.

WELD 102 **6 Credits**

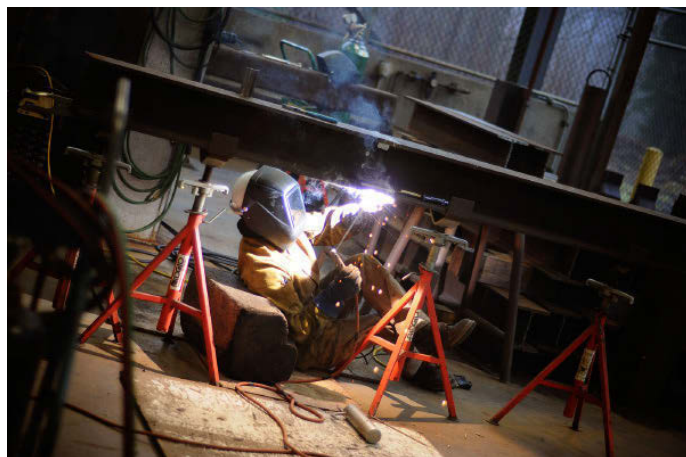
Related Welding II

A lecture-lab course to build upon skills learned in WELD 101. The course promotes proper work habits and safe work practices. Training increases skills with oxy-fuel cutting and common manual and semi-automatic welding processes. 3 lecture hours; 6 lab hours. Vocational program course. May be used as general elective in the AA degree.

WELD 103 **6 Credits**

Related Welding III

A lecture-lab course to build upon skills learned in WELD 101 and WELD 102. The course promotes proper work habits and safe work practices. Advanced joint configurations are cut, fit, and welded with common manual and semi-automatic cutting and welding processes. Students will be provided the opportunity to practice for certification testing. 3 lecture hours; 6 lab hours. Vocational program course. May be used as a general elective in the AA degree.



WELD 110 **16 Credits**
Beginning Welding

Prerequisites: Placement in ENGL 060, READ 080. MATH 060 with "B" or better or placement in MATH 100 or BMCT score of 38 or higher. Instructor permission required..

A lecture-lab course to provide an introduction to safe industrial work practices, work ethics, oxy-fuel cutting and common manual and semi-automatic welding processes. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

WELD 120 **16 Credits**
Intermediate Welding

Prerequisites: Placement in ENGL 060, READ 080. MATH 060 with "B" or better or placement in MATH 100 or BMCT score of 38 or higher. Instructor permission required.

A lecture-lab course to build upon skills in WELD 110. This course promotes work habits and safe work practices. Training increases skills with oxy-fuel cutting and common manual and semi-automatic welding processes. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

WELD 130 **16 Credits**
Advanced Welding

Prerequisites: Placement in ENGL 060, READ 080. MATH 060 with "B" or better or placement in MATH 100 or BMCT score of 38 or higher. Instructor permission required.

A lecture-lab course to build upon skills learned in WELD 120. Work habits and safety are emphasized. Advanced joint configurations are cut, fit, and welded in all positions with common manual and semi-automatic cutting and welding processes. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.



WELD 240 **16 Credits**
Pipe Welding

Prerequisites: Placement in ENGL 060, READ 080. MATH 060 with "B" or better or placement in MATH 100 or BMCT score of 38 or higher. Instructor permission required..

A lecture-lab course to build upon skills learned in WELD 110 through WELD 130. Pipe is stick and TIG welded in all positions. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

WELD 245 **16 Credits**
Fabrication

Prerequisites: Placement in ENGL 060, READ 080. MATH 060 with "B" or better or placement in MATH 100 or BMCT score of 38 or higher. Instructor permission required..

A lecture-lab course to build upon skills learned in WELD 100 through WELD 130. Course covers basic layout and fitting. Student will be assigned projects to design, draw, and build. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

WELD 248 **16 Credits**
Code Welding

Prerequisites: Placement in ENGL 060, READ 080. MATH 060 with "B" or better or placement in MATH 100 or BMCT score of 38 or higher. Instructor permission required.

A lecture-lab course to build upon skills learned in WELD 110 through WELD 245. Course emphasizes code quality fillet welding in all positions with restricted access, and practice for certification testing. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

WELD 250 **16 Credits**
Certification

Prerequisites: Placement in ENGL 060, READ 080. MATH 060 with "B" or better or placement in MATH 100 or BMCT score of 38 or higher. Instructor permission required.

A lecture-lab course to build upon skills learned in WELD 110 through WELD 245. Course covers selected industry certification test requirements, procedures, and acceptance standards. Successful students will practice and pass selected certification tests. Testing fees apply for each certification test. Course includes a capstone exam to ensure retention of competency in previous Welding Technology program course topics. 8 lecture hours; 16 lab hours. Vocational program course. May be used as a general elective in the AA degree.

Gregory J. Adamski

Adult Basic Education/GED,
Stafford Creek Education Program
B.S., Northern Michigan University
Teaching Certificate, University of Michigan
gjadamski@doc1.wa.gov

Sarah Aiken

Adult Basic Education
M. Ed., Lesley University
B.A., Washington State University
sarah.aiken@ghc.edu

Jordan Altman

Outreach Specialist - Basic Skills
B.A., Creighton University
jordan.altman@ghc.edu

Kristy Anderson

Chief of Institutional Effectiveness, Research, and Planning
M.S., The Evergreen State College
B.A., Western Washington University
A.A., Olympic College
kristy.anderson@ghc.edu

Gary W. Arthur

Physical Education, English
M.A., California State University
B.A., Carroll College
gary.arthur@ghc.edu

Randy Bale

Adult Basic Education/GED,
Stafford Creek Education Program
M.A., Lesley University
B.S., Washington State University
rwbale@doc1.wa.gov

Jennifer Barber

Adult Basic Education/ESL
M.A., Fresno Pacific University
B.A., Dominican University
jennifer.barber@ghc.edu

Kathy Barker

Adult Basic Education
M. Ed., Antioch University
B.A., Washington State University
kathy.barker@ghc.edu

Melissa Barnes

Director of Advising and Counseling
M. Ed., Springfield College
B.A., University of New Hampshire
melissa.barnes@ghc.edu

Todd Bates

Forestry
B.S., University of California, Berkeley
M.F., University of California, Berkeley
Vocational Certificate
todd.bates@ghc.edu

Monica Baze

Biology
Ph.D., University of Nevada Reno
B.S., Washington State University
monica.baze@ghc.edu

Shelley Benson

Adult Basic Education/GED,
Stafford Creek Education Program
M. Ed., University of Idaho
B.A. Ed., Central Washington University
slbenson@doc1.wa.gov

Donny Betts

Building Maintenance, Stafford Creek Education Program
Vocational Certificate Technology
dbetts@doc1.wa.gov

Ann Birch

Nursing
R.N., Washington State University
S.C.M., M.A., Bristol Maternity Hospital
S.R.N., B.S.N., Southmead General Hospital
P.N.C., Filton College, England
Vocational Certificate
ann.birch@ghc.edu

Scott Blankenship

Business Technology
B.A., M.A., Eastern Washington University
Vocational Certificate
scott.blankenship@ghc.edu

Ron Bradbury

Criminal Justice
B.S., M.S., California State University - Long Beach
A.A., Santa Ana College
Vocational Certificate
ron.bradbury@ghc.edu

Edward J. Brewster

President
Ed. D., Oregon State University
M.A., Whitworth College
B.A., University of Puget Sound
ed.brewster@ghc.edu

Debra Brogan

Nursing
B.S.N., Saint Martin's University
A.A., New York Regency
Vocational Certification
debi.brogan@ghc.edu

Brion Buisman

Diesel Technology
A.A.S., Oregon Technical Institute
Vocational Certificate
brion.buisman@ghc.edu

Mat Carlisle

BFET/WorkFirst Coordinator
M.A., Dallas Theological Seminary
B.S., Louisiana State University
mat.carlisle@ghc.edu

Darby C. Cavin

Humanities and Communications
Ed. D., Seattle Pacific University
M.L., University of St. Andrews
B.A., Whitworth College
darby.cavin@ghc.edu

John M. Clary

Welding /Powder Coating, Stafford Creek Education Program
Vocational Certificate
jmclary@doc1.wa.gov

Laurie Kaye Clary

Vice President for Instruction
B.A., M.A., Pacific Lutheran University
laurie.clary@ghc.edu

Allison DeBoer

Humanities and Communications
M.A., University of British Columbia
B.A., Western University
allison.deboer@ghc.edu

Nancy R. DeVerse

Associate Dean for Student Services
M.S., University of Maryland University College
B.A., University of Montana
nancy.deverse@ghc.edu

Erin Dilley-Linton

Director of Basic Education
Ed.D., M.Ed., University of Phoenix
B.A., University of Washington
erin.dilley-linton@ghc.edu

Taya Do

Mathematics
M.S. Ed., Walden University
B.A., Eastern Washington University
Professional Teaching Certification,
Washington State University
A.A., Grays Harbor College
taya.do@ghc.edu

Brad W. Duffy

Theatre/Communications
M.A., Portland State University
B.S., Southern Oregon State College
brad.duffy@ghc.edu

William Dyer

Music
M.A., Northwestern University
B.A., University of Puget Sound
bill.dyer@ghc.edu

Cal Erwin-Svoboda

Assistant Director of Student Programs
M. Ed., Western Washington University
B.A., Gonzaga University
cal.erwin@ghc.edu

Maureen Espedal

Assistant to Vice President for Instruction
A.A., Grays Harbor College
maureen.espedal@ghc.edu

Jeff Farnam

Information Technology, Stafford Creek Education Program
Computer Information Systems Certificate,
Grays Harbor College
jefarnam@doc1.wa.gov

Erin Frasier

Director of Pacific County Programming/
Continuing Education
M.S., Portland State University
B.A., Portland State University
erin.frasier@ghc.edu

Aleta Fuhrer

Director of Financial Services
aleta.fuhrer@ghc.edu

Tyler Gaston

Athletic Director
B.A., Boise State University
Teaching Certification, Boise State University
tyler.gaston@ghc.edu

Jennifer Gillies-Alvarez

Student Support Specialist - Opportunity Grant
 B.A., The Evergreen State College
 A.A.S., Grays Harbor College
jennifer.gillies-alvarez@ghc.edu

Jane F. Goldberg

Public Relations Coordinator
 B.A., University of Washington
jane.goldberg@ghc.edu

Margaret Gray

Columbia Education Center Manager
 B.A. State University of New York
maggie.gray@ghc.edu

Jeannette Green

Student Support Specialist, TRiO
 B.A., The Evergreen State College
 A.A., Grays Harbor College
jeannette.green@ghc.edu

David Halverstadt

Chief Human Resource Officer
 M.P.A., University of Puget Sound
 M.B.A., Central Michigan University
 B.A., Whitman College
dave.halverstadt@ghc.edu

John Hillier

Astronomy, Earth Science, Physics
 M.S., Ph. D., Cornell University
 B.S., Harvey Mudd College
john.hillier@ghc.edu

Margo Hood

Assistant to Vice President for Student Services
margo.hood@ghc.edu

Stanley W. Horton

Associate Dean for Library, E-Learning, and Media Services
 B.A., M.L.S., University of Washington
stan.horton@ghc.edu

Mohammad Ibrahim

Biology
 M.S., Eastern Washington University
 M.S., University of Peshawar
mohammad.ibrahim@ghc.edu

Lance James

Campus Safety and Security Coordinator
 M.A., Keller Graduate School, Project Management
 M.A., Keller Graduate School, Human Resource Management
 B.A., Prairie View A & M University
lance.james@ghc.edu

Penny James

Assistant to Vice President for Administrative Services
 A.A., Grays Harbor College
penny.james@ghc.edu

Douglas E. Jones

Computer Maintenance, Business Management
 M.B.A., Portland State University
 B.A., Sonoma State University
 A.A., College of the Redwoods
 Vocational Certificate
doug.jones@ghc.edu

Russell C. Jones

Chemistry
 Ph. D., Washington State University
 B.S., University of Montana
russ.jones@ghc.edu

Jan Jorgenson

Director, Grays Harbor College Foundation
 B.A., Washington State University
 A.A., Arapahoe Community College
jan.jorgenson@ghc.edu

Vivian Kaylor

Counseling
 B.A., M.S.W., Eastern Washington University
 A.A., Spokane Falls Community Collage
vivian.kaylor@ghc.edu

Michael G. Kelly

Dean for Workforce Education
 M.S., Cardinal Stritch University
 B.A., Bradley University
mike.kelly@ghc.edu

Jeffrey M. Koskela

Mathematics
 B.A., M.S., Oregon State University
jeff.koskela@ghc.edu

Thomas Kuester

Mathematics
 M.S., Western Washington University
 B.S., Northern Arizona University
tom.kuester@ghc.edu

Holly Leonard

Student Support Specialist for Retention/Disability Services
 M.A., University of Wyoming
 B.S., Brigham Young University
holly.leonard@ghc.edu

Jacek D. Lerych

Foreign Languages
M.A., University of Warsaw
B.A., The Copernicus School
jacek.lerych@ghc.edu

Lynne Drury Lerych

Humanities and Communications English, Film
B.A., M.F.A., Western Michigan University
lynne.lerych@ghc.edu

Sandy Lloyd

Chief of Information Technology
A.A.S., B.S., M.S., Purdue University
sandy.lloyd@ghc.edu

Bryan Mangum

Accounting, Business Management
Certified Public Accountant
M.B.A., University of Montana
B.S., Colorado State University
Vocational Certification
bryan.mangum@ghc.edu

Barbara McCullough

Vice President for Administrative Services
B.S., Portland State University
Certified Public Accountant, Washington and Oregon
barbara.mccullough@ghc.edu

Roderick S. McDonald

Welding Technology
B.V.E., M.A., California State University, San Bernardino
A.A., Palomar College
W.A.B.O. Welder Examiner
A.W.S. Certified Welding Inspector
Vocational Certification
rod.mcdonald@ghc.edu

Patricia McIntosh

I-Best Facilitator
B.A., Western Washington University
B.A., Washington State University
tricia.mcintosh@ghc.edu

Christine McRae

Dean for Education, Stafford Creek Education Program
M.A., Western Washington University
B.A., Western Washington University
christine.mcrae@doc1.wa.gov

Chandra Miller-Starks

Human Services
M.S., University of Central Arkansas
B.S., University of Central Arkansas
Vocational Certification
chandra.miller-starks@ghc.edu

Darrelyn Miller

Business Technology, Computer Applications
M. Ed., University of Idaho
B.A., University of Montana
Vocational Certificate
darrelyn.miller@ghc.edu

Julie Miller

Nursing
B.S., Washington State University
Associate Degree, Walla Walla Community College
Vocational Certification
julie.miller@ghc.edu

Farshid Mirzaei

Technical Design, Stafford Creek Education Program
M.S. University of Tehran
Vocational Certification
fmirzaei@doc1.wa.gov

Amy Montoure

Mathematics
M.E., Lesley University
B.A., Saint Martin's University
A.A., Grays Harbor College
amy.montoure@ghc.edu

Gary L. Murrell

History/Political Science
M.A., Ph. D., University of Oregon
B.S., Southern Oregon State College
gary.murrell@ghc.edu

Carol O'Neal

Nursing
M.S.N., University of Washington
B.S.N., Pacific Lutheran University
Vocational Certificate
carol.oneal@ghc.edu

Colleen Overton

Assistant Director of WorkFirst
M.A., Walden University
B.A., Bemidji State University
colleen.overton@ghc.edu

James Neiworth

Humanities and Communications
Ph.D., Washington State University
M.A., Washington State University
B.A., Western Washington University
A.A., Grays Harbor College
james.neiworth@ghc.edu

Keith Penner

Director of Auxilliary Services
keith.penner@ghc.edu

Jayme L. Peterson

Adult Basic Education/GED,
Stafford Creek Education Program
M. Ed., Grand Canyon University
B.A., Washington State University
A.A., Skagit Valley College
jlpeterson@doc1.wa.gov

Chris A. Portmann

Sociology
Ph. D., University of Nebraska, Lincoln
M.A., Regis University
B.S., Montana Tech
chris.portmann@ghc.edu

Eric Potts

Director of Admissions and Outreach
B.A., Washington State University
eric.potts@ghc.edu

Adam Pratt

Carpentry Technology
Vocational Certification
adam.pratt@ghc.edu

Mark Ramon

Tribal Outreach Specialist
B.A., The Evergreen State College
A.A., Grays Harbor College
mark.ramon@ghc.edu

Deborah A. Reynvaan

Support Specialist for Institutional Research
B.A., The Evergreen State College
A.A., Grays Harbor College
debbie.reynvaan@ghc.edu

Debbie Richters

Coordinator, Workforce Education and Retraining
B.A., The Evergreen State College
A.A.S., Grays Harbor College
debbie.richters@ghc.edu

Brenda Rolfe-Maloney

Psychology
B.A., M.S., University of Alaska, Anchorage
brenda.rolfe-maloney@ghc.edu

Adrienne J. Roush

Librarian
M.L.I.S., University of Washington
B.A., The Evergreen State College
adrienne.roush@ghc.edu

Denis Samson

Automotive Technology
A.S.E. Master Technician
Vocational Certificate
denis.samson@ghc.edu

LaDonna Scott

Commercial Truck Driving
A.A.S., Grays Harbor College
Vocational Certificate
ladonna.scott@ghc.edu

Erik N. Sandgren

Art
M.F.A., Cornell University
B.A., Yale University
erik.sandgren@ghc.edu

Stacey Savino

Assistant Dean for Financial Aid
B.A., Saint Martin's University
A.A., Grays Harbor College
stacey.savino@ghc.edu

Kenji Seta

Learning Center Coordinator
M.S., Troy State University
B.S., United States Airforce Academy
kenji.seta@ghc.edu

Brian Shook

Counseling
M.S., Oregon State University
B.A., University of California, Santa Cruz
A.A., West Valley College
brian.shook@ghc.edu

Lynn M. Siedenstrang

Mathematics
M.A., Utah State University - Logan
B.S., Lindenwood College
B.A., Northeast Missouri State University
lynn.siedenstrang@ghc.edu

Tony Simone

Chief of Campus Operations, Safety, and Security
B.S., City University
tony.simone@ghc.edu

Julie Skokan

Coordinator, TRiO
B.A., The Evergreen State College
A.A., Grays Harbor College
julie.skokan@ghc.edu

Guy G. Slover

Adult Basic Education, Stafford Creek Education Program
M.A., Eastern Washington University
B.S., Lewis-Clark State College
ggslover@doc1.wa.gov

Diane L. Smith

Assistant Dean of Student Success and Retention
B.S., M.S., University of Oregon
diane.smith@ghc.edu

Carol Starika

Education Center Manager
B.S., Washington State University
carol.staricka@ghc.edu

JEB Thornton

Assistant Dean for Baccalaureate Programs
M.A., Pacific Oaks College
B.A., The Evergreen State College
jeb.thornton@ghc.edu

Monica Todd

Nursing
M.N., University of Washington
B.S.N., Northern Michigan University
Vocational Certificate
monica.todd@ghc.edu

Arlene Torgerson

Vice President for Student Services
Ed. D., Arizona State University
M.S., University of Nevada, Las Vegas
B.A., California Lutheran College
arlene.torgerson@ghc.edu

Shiloh Winsor

English
B.A., M.A., Oregon State University
shiloh.winsor@ghc.edu

Penelope J. Woodruff

Director of Nursing
M.S., The Ohio State University
B.S.N., Capital University Diploma,
Trinity School of Nursing
Vocational Certificate
penny.woodruff@ghc.edu

Sandra Zelasko

Assistant to the President
sandy.zelasko@ghc.edu

Mark Zerr

Economics, Business Law
B.B.A., M.B.A., J.D., University of Washington
mark.zerr@ghc.edu



Student Planner - Checklist
Graduation Requirements for Associate in Business – DTA/MRP Degree

Year 1 - 1st Quarter Classes		Year 1 - 2nd Quarter Classes		Year 1 - 3rd Quarter Classes	
Course and Number	Credit	Course and Number	Credit	Course and Number	Credit
Year 2 - 1st Quarter Classes		Year 2 - 2nd Quarter Classes		Year 2 - 3rd Quarter Classes	
Course and Number	Credit	Course and Number	Credit	Course and Number	Credit

Maximum Requirements for Associate in Business – DTA/MRP Degree
Please note: Official graduation evaluations must be completed
(see pages [36-39](#) for specifics in each area)

10 Credits—	Writing Skills	Have	Need
	English 101	___	___
	English 102 or English 235	___	___
10 Credits—	Quantitative Skills		
	Mathematics 111	___	___
	Mathematics 148	___	___
3 Credits—	Physical Education Courses or		
	Health Promotion and Fitness 101	___	___
45 Credits—	Distribution		
15 credits	Social Science		
	Economics 201 (5 credits)	___	___
	Economics 202 (5 credits)	___	___
	AA Social Science Distribution: Areas A, C, D (5 credits)	___	___
15 credits	Humanities		
	From 3 different AA Humanities:		
	Distribution Areas A through F	___	___
15 credits	Math/Science		
	Mathematics 146 (5 credits)	___	___
	From 2 different AA Science Distribution		
	Areas A, B, D, or E (10 credits)	___	___
20 Credits—	Specified Business Electives		
	Accounting 201	___	___
	Accounting 202	___	___
	Accounting 203	___	___
	Business 201	___	___
5 Credits—	General Electives (Any distribution, specified or other - college level courses numbered 100 or above)	___	___
MINIMUM TOTAL FOR DEGREE: 90 + 3 PE CREDITS		___	___

Student Planner - Checklist
Graduation Requirements for Associate in Pre-Nursing – DTA/MRP Degree

Maximum Requirements for Associate in Pre-Nursing – DTA/MRP Degree
 Please note: Official graduation evaluations must be completed
 (see pages [36-39](#) for specifics in each area)

Year 1 - 1st Quarter Classes		Year 1 - 2nd Quarter Classes		Year 1 - 3rd Quarter Classes	
Course and Number	Credit	Course and Number	Credit	Course and Number	Credit
Year 2 - 1st Quarter Classes		Year 2 - 2nd Quarter Classes		Year 2 - 3rd Quarter Classes	
Course and Number	Credit	Course and Number	Credit	Course and Number	Credit

10 Credits—	Writing Skills	Have	Need
	English 101	_____	_____
	English 102 or English 235	_____	_____
5 Credits—	Quantitative Skills		
	Mathematics 146 Introduction to Statistics	_____	_____
3 Credits—	Physical Education Courses or		
	Health Promotion and Fitness 101	_____	_____

STUDENTS SHOULD MAKE EARLY CONTACT WITH THEIR POTENTIAL TRANSFER INSTITUTIONS REGARDING THE SPECIFIC COURSES THEY SHOULD TAKE IN THESE DISTRIBUTION AREAS:

65 Credits—	Distribution		
15 credits	Social Science		
	Psychology 100	_____	_____
	Psychology 200	_____	_____
	Sociology 101	_____	_____
5 credits	Speech 101	_____	_____
10 credits	Humanities		
	From 2 different AA Humanities:		
	Distribution Areas A through E	_____	_____
35 credits	Natural Science		
	Biology 160	_____	_____
	Biology 241	_____	_____
	Biology 242	_____	_____
	Biology 260	_____	_____
	Chemistry 121	_____	_____
	Chemistry 131	_____	_____
	Nutrition 101	_____	_____
10 Credits—	General Electives (Any distribution, specified or other - college level courses numbered 100 or above)	_____	_____

MINIMUM TOTAL FOR DEGREE: 90 + 3 PE CREDITS _____