



# North

## Seattle Community College



*Student Mia Braverman in North's courtyard*

North

31

Welcome

When our students talk about North, they talk about excellent instruction. They praise the faculty's knowledge of their subjects, pride in their teaching, and true concern for student learning. They also cite North's safe campus, diverse student populations, vibrant learning communities, helpful staff, and convenient location, just off I-5.

After completing the first two years of their bachelor's degree at North, many of our students transfer successfully to four-year colleges and universities. Our small classes and emphasis on learning skills and critical thinking help them to succeed as they continue their education. North's numerous distance learning options offer students the possibility of earning an associate's degree online. For working students, online courses provide a convenient option, as do evening courses.

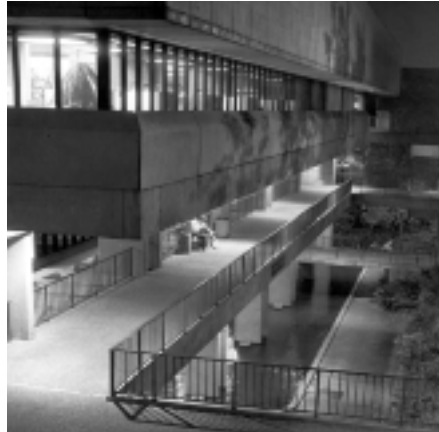
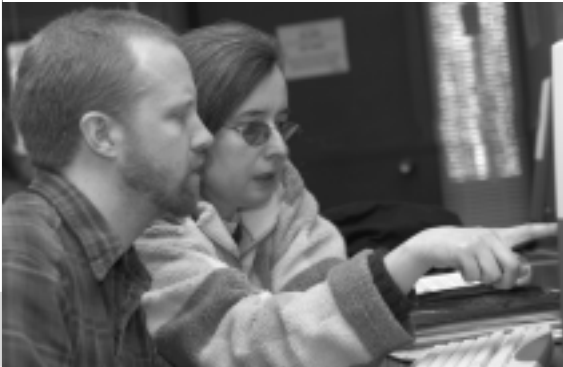
Students can choose from more than 40 career training programs in Business, Information Technology, Culinary Arts, Child and Family, Electronics and Engineering Design, Health/Medical, and Real Estate. North's Watch Technology Institute, co-sponsored by the Rolex Company, is one of only three WOSTEP certified programs in the country. All of these programs are developed and refined in cooperation with business and industry. As a result, training matches employers' needs and leads to jobs.

In addition to classroom learning, students also enjoy a rich campus life. Concerts, plays, intercollegiate basketball, an award-winning literary magazine, and special events that highlight North's diverse student population add depth to the students' experiences outside of the classroom.

*A supportive learning environment is at the center of North Seattle's mission*

*The college offers classes and activities during the day and at night*

*Dr. Ron LaFayette, President of North Seattle Community College*



## GETTING STARTED AT NORTH

---

Admissions (206) 527-3663

Financial Aid (206) 527-3688

Registration (206) 527-3663

TTY (206) 526-0079

## MISSION

---

North Seattle Community College provides a supportive, responsive teaching and learning environment distinguished by its commitment to openness, innovation, and excellence in education.

## LEARNING OUTCOMES

---

Students will...

- Think critically in reading and writing
- Use quantitative reasoning processes
- Communicate creative and critical ideas in writing
- Access, evaluate and apply information from a variety of sources
- Apply computer competency to goals
- Understand ideas that shape human history and cultures
- Understand artistic expression as an essential human phenomenon
- Identify and understand principles of physical and life sciences
- Understand the individual and his/her relationship to community

North Seattle Community College is Distinguished  
 by its **Commitment to** Openness,  
 Innovation, and **Excellence**

**FACTS AT A GLANCE\***

Annual attendance 2002-2003 19,417

**FALL 2003 PROFILES**

**Students\*\***

Median age	29.7
Ethnic diversity	38%
Male / female	41% / 59%
With bachelor or higher degrees	22%
Employed	64%
full-time	36%
With dependents	27%
single parents	6%
Full-time / part-time attendance	50% / 50%

**Programs**

College Transfer	32%
Workforce Education	33%
Basic Skills	8%
Continuing Education & Other	27%

**Courses**

State-funded	83%
Contract-supported	2%
Student-supported	15%

**Special Enrollments**

Distance Learning	1,735
Running Start	346
International Contract	460
Worker Retraining	521

\* **Source:** State Board for Community and Technical Colleges  
 Data Warehouse \*\* **State-funded**

**ADDITIONAL CAMPUS FACILITIES**

**Sand Point Education Center**

Sand Point Education Center houses more than 100 continuing education classes. The former elementary school's gymnasium, auditorium and stage, and spacious grounds facilitate a variety of classes that promote both professional and personal growth. In addition to a weekday and evening schedule, classes are also held on Friday nights, Saturdays and Sundays.

# Student Services

## LEARNING & CAREER RESOURCES

### Advising Center

(206) 527-3658

The Advising Center provides resources and assistance for students planning to transfer to four-year colleges and universities and for students pursuing workforce education programs. Advisors assist students in making academic choices to reach their educational goals. New students seeking degrees or certificates attend new student sessions, where they receive information about NSCC, their program of study, and are assisted in selecting classes. Currently enrolled students work with advisors to develop educational plans based on the degrees or certificates they are pursuing. The Advising Center is open to all current and potential students on a walk-in basis.

### Career Services and Cooperative Education

(206) 527-3685

Career Services provides students with full-time and part-time job listings, as well as job search training, labor market information, and assistance clarifying career and occupational goals. Career Services also has a computer lab with Internet access to support students' job search and career planning.

Cooperative Education provides credit for learning in a relevant work site, both on and off-campus. The program allows students to apply skills and knowledge learned in the classroom to a real-life work environment.

### Computer Labs

(206) 527-3630

Students at North Seattle Community College have access to 40 computers in the Library and 50 more in the open computer lab in IB3303. All students with a properly equipped laptop can access the NSCC wireless network. This includes the NSCC website as well as other websites in the Seattle Community College district.

Full Internet access via the NSCC wireless network is available to all students who have paid a computer lab (CL) fee. Students who did not pay a CL fee as part of their tuition and fees can pay the CL fee at the Cashier's office in order to get full access to the wireless network. Reference the North Seattle website at [www.northseattle.edu/kiosk/netid/netidfaq.htm](http://www.northseattle.edu/kiosk/netid/netidfaq.htm) for details.

### Disability Support: Educational Access Center

(206) 527-3697

FAX (206) 527-3635

The Educational Access Center was created to establish a campus environment that is inclusive of students with disabilities.

Students who have a disability are encouraged to meet with the staff of the Educational Access Center as early as possible during their entry into college to register with the office and to discuss appropriate accommodations. The Center also sponsors awareness workshops, faculty training, and provides referrals to resources pertaining to disability issues.

### Distance Learning

(206) 527-3738

Academic divisions and workforce education programs offer many credit courses and curricula through several non-traditional delivery modes, including fully online and hybrid online instruction, use of videocassette and videostreamed media, and two-way live teleconferencing. The Distance Learning Office provides logistical support and information to "distance learners." These delivery modes bring new learning options to students who are homebound, those who cannot attend at scheduled class times, and those who do not live within commuting distance. Students can earn an A.A. Degree and receive specific certificates through fully online courses. Courses are available in science, math, the social sciences, the humanities and information technologies. For more information, please see page 26.

### Learning Center & Tutoring Services

(206) 526-0088 and (206) 527-3746

There are two major tutoring centers at North Seattle Community College, and many departments offer subject-specific tutoring arranged through the department secretary. The Loft Writing Center Plus (206-526-0078) is located in the Library and offers tutoring assistance on reading, writing, listening or speaking assignments for any class offered at North. The multimedia lab in the Loft offers computer software intended to strengthen skills in reading, writing, listening, vocabulary, spelling and pronunciation in English and world languages.

The Math Learning Center (206-527-3746) is located in ED1845A and offers tutoring assistance to all students enrolled in math, science or computer science classes. Videotapes in basic math, algebra and trigonometry are available, as well as calculators and various math references.

## Library and Media Services

(206) 527-3607

Library and Media Services offers a wide range of materials and services to students and the community. Books, magazines, videos, CDs, DVDs, and audiotapes are available for checkout or for use in the library or classroom. A limited number of group study rooms may be reserved for use by students.

Library faculty are available to help students take full advantage of the college's online catalog, periodical indexes, and other databases that enable students to find books, reference guides, periodical articles, electronic books, full-text databases, and non-print materials. Library orientations and for-credit classes are offered.

Media equipment available for use in the library or classroom includes: VCRs, televisions, DVD and CD players, slide projectors, sound systems, video cameras, and computers with data projectors. Listening-viewing carrels and rooms are provided for students' convenience.

The North library online database is part of a district and regional inter-library loan service, which allows students access to library materials throughout the Western United States.

## Multicultural Student Services

(206) 527-3698

These programs and services are designed to enroll, retain and graduate students of color. They include transfer assistance, scholarship assistance, academic planning, college success workshops, leadership training, student advocacy and mentoring. Other goals are to cultivate campus cultural awareness through coordinating and sponsoring co-curricular and social events and activities to assist students of color reach their academic goals.

While the primary goal is to assist students of color (African American, Asian American and Pacific Islander, Chicano/Latino and Native American), all students are invited to participate in services and programs.

## Student Retention Services

(206) 527-3677

Retention Services helps students to stay in college so that they can meet their educational objective. Counselors help students find their career directions and majors, and provide coaching on student success strategies, time management and other important skills. The Help Center connects students with resources in the areas of healthcare, childcare, domestic violence, legal aid, etc. Multicultural Student Services Office provides scholarship assistance, advocacy, leadership training and cultural support. The Educational Access Office offers screening, accommodations and assistive technology for students with documented learning and other types of disabilities. These services also coordinate emergency financial assistance and connect students with other funding sources.

## Testing Center

(206) 527-3674

New students seeking a degree or certificate or those students wishing to enroll in most English or mathematics classes must take placement tests prior to registration.

These tests allow the student and advisor to select appropriate classes. The student should call the Testing Center for an appointment for testing dates and times in advance of his or her registration date.

For additional information on ESL, GED, or IT testing or professional certification testing, students should contact the Testing Center.

## Tutoring

*See Learning Center and Tutoring Services*

## CAMPUS FACILITIES AND SERVICES

### Art Gallery

(206) 528-4557

Located in IB 1322A, near the Bookstore, the Art Gallery offers exhibits and activities from October through June. Hours are 11:00-3:00 Weekdays, and 5:00-8:00 W-Th evenings.

### Bookstore

(206) 527-3637

The Bookstore is well-stocked with new and used textbooks, supplemental course materials, general interest books, school supplies, and sundry items. The Bookstore offers a textbook buy-back service during the last five to six days of each school quarter. Check the website for Bookstore hours at [www.northseattle.edu](http://www.northseattle.edu).

### Childcare Center

(206) 527-3644

This state-certified Childcare Center, funded primarily by student government, is staffed by professionals trained in early childhood education.

Activities foster children's social, emotional, physical and creative development. The Center serves children 18 months to five and a half years old and operates Monday through Friday, 7:30 a.m. - 5:00 p.m. Call for specific fee information.

### Copy Center

(206) 527-3616

Copying is done by Copy Center staff, or can be done on a self-service copier. Various sizes and colors of paper, including résumé-quality, are available. The Copy Center also creates transparencies for classroom presentations. U.S. Fax service is also available. The Copy Center is located next to the Bookstore.

### Food Services

(206) 527-3779

North Seattle Community College provides three dining areas in conjunction with its culinary training programs, in which students prepare food under the supervision of instructors. Food services operate during the academic quarter, but not during quarter breaks.

#### COLLEGE CAFETERIA

Monday - Thursday ..... 7 a.m. - 7:30 p.m.

Friday ..... 7 a.m. - 2:30 p.m.

#### NORTH STAR DINING ROOM

Monday - Thursday ..... 11:30 a.m. - 12:45 p.m.

ROSE ROOM (SPECIALEVENTS ONLY)

### Housing

(206) 527-3641

On-campus housing is not available. However, a bulletin board lists various accommodations that are available in the local area. Call if you need housing or if you have a room or apartment available for students to rent.

### Metro Bus Service

(206) 553-3000

Carpooling, walking, biking or van pooling is encouraged and possibly rewarded. Contact the transportation coordinator in security or at 526-0060 for more information. Student Metro bus passes can be purchased at the Cashier's Office at special discounted rates.

### Parking Services

(206) 526-0060

On-campus parking is available to those students who buy a permit. Due to space limitations, students are advised to buy a parking permit when registering. State motor vehicle laws and city traffic codes are strictly enforced. The campus speed limit is 15 m.p.h.

### Safety

(206) 527-3636

The well-being and safety of students are of utmost importance. It is vital that students follow strict safety procedures recommended in vocational classes. In the event of an on-campus accident or injury, students should report the accident to the Security Office so the injury can be addressed and an accident report completed. Students should immediately call 9-911 for serious injuries. Instructors must be notified if an accident occurs during class. All campus "Qwest" pay phones are programmed for one-button, free calls to security.

#### PERSONAL SAFETY

Each of the campuses in the Seattle Community College District is a unique community where thousands of people work and study. However, as each campus is also open to the public, students should use the same caution as they would in any public place in taking care of their personal safety and personal belongings. Helpful campus information and statistics on personal safety are available from the Security Office, as well as other locations around campus.

## POLICY ON DRUGS

To provide a healthful, safe and secure work and learning environment, each employee and student of the Seattle Community College District is expected to be in an appropriate mental and physical condition to perform assigned duties and fully participate in the learning process. The Policy on Drugs, effects of commonly abused drugs, and resources for assistance are outlined in a brochure available at the campus Counseling Center.

## SEXUAL HARASSMENT

If you wish to file a sexual harassment complaint, contact the Office of the Vice President of Student Development Services at (206) 527-5668.

## Student Accident Insurance

(206) 527-3627 (Cashier's Office)

Accident insurance is available to students registered for 6 or more credit hours per quarter. This policy provides broad, but comparatively inexpensive coverage.

## EXTRACURRICULAR ACTIVITIES

### Student Clubs

(206) 527-3641

Student clubs provide opportunities for co-curricular learning and personal skill development while on campus. Participation in any of the clubs enhances connections with fellow students and staff. For information, contact the program coordinator or visit Room 1353, College Center building.

### Student Government

(206) 527-3650

Each student taking credit courses pays service and activities (S & A) fees and automatically becomes a member of the Associated Student Body (ASB).

ASB representatives, selected by a committee comprised of students, staff and faculty, represent student interests and concerns at the college. Student Government coordinates the Student Leadership Program. To get involved, call Student Programs at (206) 527-3641.

### Student Newspaper / *Polaris*

(206) 527-3645

*Polaris* is written, edited, and published for and by students. A governing board sets policy guidelines. Students interested in joining the editorial or production staff should contact the *Polaris* Office.

### Student Recreation: Student Sports Intercollegiate Athletics/ The Seattle C.C. "Storm"

(206) 527-3745 & 527-3773

(206) 527-3745 Men's Basketball Program

(206) 527-3773 Women's Basketball Program

The intercollegiate men's and women's basketball teams, the Seattle Community Colleges *Storm*, are based at North's Wellness Center. Seattle Community Colleges *Storm* teams compete in the 33-member Northwest Athletic Association of Community Colleges conference.

Students from all three Seattle Community Colleges are eligible to play on the teams. Athletic scholarships are available to qualified students. For more information, visit the website at [www.northseattle.edu/services/athletics](http://www.northseattle.edu/services/athletics).

### Wellness Center

(206) 527-3631

Information Line: (206) 527-3649

The Wellness Center offers a variety of opportunities for participation in fitness, wellness and recreational activities and classes.

All are encouraged to participate. Call for more information on wellness activities and center membership. Memberships are also available to the general public. For more information, visit the website at [www.northseattle.edu/services/wellness](http://www.northseattle.edu/services/wellness).

## AFFILIATE ORGANIZATIONS

---

### Alumni Association

(206) 527-3604

The Alumni Association at North Seattle Community College Foundation was established to build and sustain meaningful relationships with past students in order to foster the success of current and future students. All students who have attended the college, even if they did not complete a certificate or degree, are considered alumni. The goals of the Alumni Association are to provide alumni recognition; broaden participation in lifelong learning; offer professional development and networking opportunities; establish volunteer opportunities, including mentorship for current students; and gather feedback to enhance college programs and services. Membership is free. For more information, alumni may call the office at the number above, or visit the alumni page on the college website.

### North Seattle Community College Foundation

(206) 527-3604

The North Seattle Community College Foundation was established to support student success and provide a welcoming learning environment for students and the community.

As a non-profit 501(c)(3) organization guided by a board of community and business leaders, the Foundation raises funds to provide support for the college in the form of scholarships, tutoring, equipment, program grants, professional development for faculty and staff, as well as campus enhancements. Each year, the Foundation distributes over \$125,000 in scholarships to deserving students. Students interested in scholarship opportunities should contact the Foundation Office.



# Specialized Programs & Services

## HIGH SCHOOL-TO-COLLEGE LINKS

### Career Link Academy

(206) 528-4573 & (206) 527-3743

The Career Link Academy is an educational program that assists students interested in completing their GED, learning job skills, getting job placement assistance, or pursuing training on a college campus. The program focuses on job-readiness skills in computer applications, pre-vocational learning, applied academics and GED preparation. Career Link Academy serves people ages 16-20 who left high school without graduating. There is no charge for tuition.

### Running Start

(206) 527-3682

The Running Start program gives high school students who are at the 11th or 12th grade level, and whose test scores place them in college-level coursework, the opportunity to take college transfer and workforce education courses for high school and college credit at the same time. See page 25 for more detail.

### TechPrep

(206) 903-3222

Tech Prep is a dual-credit national educational program that awards community college workforce education credits to students by recognizing comparable learning in the high school. See page 25 for more detail.

### Upward Bound

(206) 527-3691

Upward Bound, a program funded by the Department of Education, provides high school students with services that support higher academic performance during high school and subsequent entry into college. The program serves 50 high school students from four area high schools: Franklin, Roosevelt, Summit K-12 and Indian Heritage Middle College.

Upward Bound offers regular, intensive support to its program participants throughout the year. Academic year services include after school sessions, tutoring, academic advising, college preparation, personal counseling and referrals, field trips and cultural events. During the summer, students gather on the North campus for six weeks of academic classes and activities to simulate the experience of college.

North's Upward Bound program works closely with students, parents, and high schools to help guide each student in developing a strong sense of self and in acquiring the skills for a successful higher education experience.

## INTERNATIONAL PROGRAMS

### Institute of English

(206) 527-3795

<http://northonline.sccd.ctc.edu/isp/english.html>

The North Seattle Institute of English (NSIE) is an intensive English and college bridge program for international students. NSIE prepares non-native speakers of English to enter American colleges and universities. NSIE also offers English as a Second Language classes for non-university bound students, such as business and technical professionals, summer quarter students, spouses of students and other visitors on non-student visas.

Students study at different levels based on their English proficiency. Quarterly classes develop skills in conversation, listening, reading, writing, grammar, study skills, note-taking, academic paper writing, vocabulary and idioms, and American culture. An additional class is offered in computer applications and a computerized language laboratory is available.

Advanced students may take a regular college class. Successful completion of the NSIE program enables those who plan to become North Seattle Community College students to enter one of the college's academic or technical programs without a TOEFL requirement.

### International Student Programs

(206) 527-3672 FAX (206) 527-3794  
isp@sccd.ctc.edu

International Student Programs (ISP) oversees admissions, activities and services for students who have non-resident visas.

ISP processes admission applications for international students and assists them after admission. Contact this office for information about admissions, or for assistance with academic issues, immigration regulations, or personal concerns. See page 13 for more information.

Field trips and other student activities promoting intercultural communication and enhanced experience of American culture are provided by this office. Housing assistance with American families is also offered.

### International: Travel / Study Abroad

(206) 587-3806

See page 25 for information on district-wide Travel Abroad courses and Study Abroad Courses.

### Senior Adult Education

(206) 527-3783

Because North Seattle Community College believes that learning is a lifelong process, the college offers many classes and discussion groups designed especially for senior citizens.

Classes are normally held during daytime hours, both on campus and in various senior centers, community centers, and retirement homes. Generally, there are no long assignments, examinations or letter grades given.

Tuition ranges from \$19.75 to \$75 per five- to ten-week course. Students can register by mail or on campus.

### Senior Listener's Program

(206) 527-3664

In addition to the senior adult education programs, persons over 60 may enroll in college transfer courses for audit or credit. Under a tuition waiver, seniors may attend two classes for a fee of \$5 per class. This waiver does not apply to Continuing Education courses.

Registration under the waiver is on a space-available basis with instructor approval, between the sixth and tenth day of the quarter.

### Veterans' Services

(206) 527-3699

#### FINANCIAL ASSISTANCE FOR VETERANS

The Veterans' Affairs Office helps veterans and eligible family members receive and maintain VA educational benefits while at college.

Benefits include the G.I. Bill, Veterans Education Assistance Program/VEAP, Benefits Program for Dependents and Widows, Selective Reserve Assistance Program, Vocational Rehabilitation Program and other programs. The office maintains attendance records, monitors academic progress, provides tutorial and work-study benefits, makes counseling referrals and approves eligibility for tuition discounts.

To receive benefits, veterans must contact the campus Veterans' Affairs Office prior to the beginning of the academic quarter. If transferring from another school or making an application through the Veterans Administration, students must also contact this office to ensure all application requirements have been met. Veterans with prior college work must apply for a credentials evaluation within 2 quarters of their enrollment at NSCC in order to maintain their eligibility. All veteran students should immediately notify the Veterans' Affairs office if there is a change in address, program of study, family members and/or enrollment status.

Monthly allowance is based on the number of credits. Full benefits are paid for 12+ credits; 75% benefits for 9-11 credits; 50% benefits for 6-8 credits; and tuition and fees for 5 or fewer credits. Check with the Veterans' Coordinator about allowances for summer quarter. Veterans qualifying under Chapter 30 Rollover also receive an allotment for their family members.

Veterans and eligible family members receiving benefits are required to maintain specific academic standards to retain benefits. Some classes or credits are not certifiable for benefits.

## Women's Services and Student Help Center (206) 527-3696

The Center provides continual support for current and prospective students at North, including:

- Assistance for students, women and men, who need contact support for childcare, low cost housing, rental assistance, and affordable health care. We also provide referrals for substance abuse problems, domestic violence, divorce, and personal and family counseling.
- Programs on gender issues.
- Volunteer and leadership development opportunities.
- Assistance for women interested in studying and finding employment in the fields of computing, engineering, science and math.

## WORKFORCE EDUCATION

Workforce Education programs at North provide a variety of services and opportunities, including those listed below:

### Career Services

(206) 527-7656

Career Services offers assistance in obtaining career information, identifying and planning a career path, developing job-search skills, locating part-time or full-time employment and work experience in a student's field of study. The office provides individual career advising and workshops, produces an annual career fair, and sponsors on campus employer visits and other special career-related events.

### Worker Retraining

(206) 527-3787

The Worker Retraining program offers a variety of services to dislocated workers. Individuals who have been laid off and are collecting unemployment insurance, have been issued a WARN notice, are displaced homemakers, or had to close a small business due to the economic turndown, should attend a worker retraining orientation session. Services may include:

- career advising/counseling
- interest assessment
- résumé assessment
- educational planning
- tuition assistance (subject to income guidelines and availability of funds)
- help with applying for other funding such as Federal Trade Act Assistance, NAFTA and regular financial aid

### WorkFirst Programs

(206) 527-7655

Work-based learning is a state-funded program designed to assist low-income working parents who wish to upgrade their skills to prepare for better jobs. Participating students receive funding for tuition and books.

### Family Literacy

Family Literacy is a full-time program to teach basic skills to low-income and TANF (Temporary Assistance for Needy Families) families. This program helps students earn their GED, prepare for college classes and/or career of interest, learn parenting skills, basic technology skills, life skills and employment essentials.

### Individualized Customized Job Skills Training (CJST)

These are short-term job trainings through which a student can receive a certificate within 2-3 quarters. Eligible students must be receiving public assistance (Temporary Assistance for Needy Families /TANF, welfare).

# College Transfer Programs

North Seattle Community College offers a full range of college transfer courses that apply toward a four-year program of study. In addition to offering Associate of Arts and Associate of Science degrees, North also offers an Associate of Fine Arts degree and certificate programs.

Students are encouraged to complete a two-year degree program for greater ease of transfer to a four-year institution, but can take individual classes for transfer. It is recommended that students confer with an academic advisor to ensure course transferability.

Students planning to earn an A.A., A.F.A., or A.S. degree must meet minimum standards of preparation. Those whose records and test scores indicate a need for additional preparation may be required to complete preliminary work in the college preparatory program.

College transfer courses are offered in several disciplines, including:

- |                         |                          |
|-------------------------|--------------------------|
| American Ethnic Studies | History                  |
| Anatomy and Physiology  | Humanities               |
| Anthropology            | Journalism               |
| Art                     | Languages and Literature |
| Astronomy               | Mathematics              |
| Biology                 | Meteorology              |
| Botany                  | Music                    |
| Business                | Nutrition                |
| Chemistry               | Oceanography             |
| Communications          | Philosophy               |
| Computer Science        | Physics                  |
| Drama                   | Political Science        |
| Earth Science           | Psychology               |
| Economics               | Science                  |
| Engineering             | Service Learning         |
| English                 | Social Science           |
| Environmental Science   | Sociology                |
| Geography               | Women Studies            |
| Geology                 | World Languages          |
| Global Studies          |                          |
| Health                  |                          |

These fields of study are grouped into three Areas of Knowledge (refer to the A.A. Degree information on pages 17-21) and are included throughout the A.A. degree curriculum.

## ASSOCIATE IN BUSINESS / DIRECT TRANSFER AGREEMENT

This business degree is designed for students who plan to transfer in the area of business studies, and to satisfy the lower division general education (core) requirements and the lower division business requirements at Washington's public four-year colleges and universities.

### Associate in Business

#### Requirements\*

- COMMUNICATION SKILLS
- ENG 101 Composition ..... 5
- ENG 102 Composition ..... 5
- QUANTITATIVE/SYMBOLIC REASONING SKILLS
- BUS 210 Business & Economic Statistics **or**
- MAT 109 Elementary Statistics ..... 5
- for EWU and CWU requirements, see note (1).
- VISUAL, LITERARY, AND PERFORMING ARTS
- Choose from a minimum of two different prefixes\*\* ..... 15
- for WSU requirements, see note (2).
- for international business majors or UW students, see note (3).
- INDIVIDUALS, CULTURES, AND SOCIETIES
- ECO 200 Principles of Economics/Microeconomics ..... 5
- ECO 201 Principles of Economics/Macroeconomics ..... 5
- May not be an ECO prefix course\*\* ..... 5
- for WSU and UW Tacoma requirements, see note (4).
- for UW see note (8).
- THE NATURAL WORLD
- MAT 117 Elements of Calculus\*\*\* ..... 5
- Physical, biological, and/or earth sciences ..... 10
- (at least one 5-credit laboratory course must be included)
- for WWU requirements, see note (6).

**BUSINESS**

ACC 210 Financial Accounting Fundamentals I.....	5
ACC 220 Financial Accounting Fundamentals II .....	5
ACC 230 Fundamentals of Managerial Accounting.....	5
BUS 200 Introduction to Law .....	5
• for UW, EWU, WWU, CWU, WSU, see note (7).	
General Electives**** .....	10
• for international business majors or UW students, see note (3).	
• for WSU requirements, see note (5).	

**TOTAL CREDITS** **90**

*\*This degree shall be granted only to students who have earned a cumulative grade point average of at least 2.0.*

*\*\*A minimum of five credits must come from a US Cultures course in either Visual, Literary, and Performing Arts or Individuals, Cultures, and Societies.*

*\*\*\*MAT 124 Calculus with Analytic Geometry II may be substituted.*

*\*\*\*\*These courses are highly recommended as general electives for this degree: BUS 101 Introduction to Business (as early in one's program of study as is possible)—see note 8—and BUS 215 Introduction to International Business.*

**NOTES AND CLARIFICATIONS**

**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. Students should check with their destination school and college. In addition, the minimum grade for all accounting (ACC) courses and BUS 200 is 2.0. UW Bothell requires a minimum of 2.0 in all prerequisite courses.

**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**

(1) EWU's business program requires Math 200 Finite Math. EWU will also accept a course equivalent to EWU's Math 115, Math Reasoning, courses equivalent to EWU's Math 105 and 106, Precalculus I and II, or a course equivalent. CWU requires a minimum of precalculus.

- (2) WSU's business school requires 5 quarter credits of public speaking; transferable courses must include formal, coached public speaking instruction with written and oral feedback; students must have multiple opportunities for presentations and at least one half of a course must include those components in order for it to be acceptable for transfer.
- (3) For admission to UW Seattle, Bothell, and Tacoma, two years of high school foreign language or two quarters of college-level foreign language are required. Students not admitted to the Business School at UW Seattle and selecting an alternate major from the College of Arts and Sciences will be required to demonstrate foreign language proficiency (Grade of 2.0 in third quarter of foreign language.)
- (4) WSU's business school encourages prospective transfers to take 5 credits in psychology or sociology; UW Tacoma's business school encourages prospective transfers to take 5 credits in psychology, sociology, or anthropology.
- (5) WSU's business school requires a computer course comparable to MIS 250 Managing Information Technology (the role of managing information systems in business).
- (6) WWU's Manufacturing Management requires Intro to Chemistry and Intro to Physics.
- (7) UW requires Introduction to Law (MGMT 200); EWU requires a course equivalent to EWU's Accounting 261; WWU requires a course equivalent to their business law course; either course will satisfy the requirements at CWU, UW Bothell, UW Tacoma, WWU, and WSU.
- (8) UW accepts BUS 101 as an Individuals & Societies elective.

**SPECIAL TRANSFER OPPORTUNITY**

Western Washington University at North Seattle Community College

(206) 527-3719

Western Washington University's Extended Education and Summer Program offers the following evening programs at North Seattle Community College: Elementary Teacher Education, B.A.E. and Elementary Teacher Certification (K-8); Secondary Teacher Education, M.I.T. and Secondary Teacher Certification (4-12).

Contact the program office for more information.

## DEGREE & CERTIFICATE OF FINE ARTS

An Associate of Fine Arts degree is offered in Art and Music and a Certificate of Fine Arts is offered in Art and Drama. Students must complete at least 15 of their total credits at North Seattle Community College.

### Fine Arts

The Associate of Fine Arts degree does not currently transfer with the same transfer rights as the A.A. degree; however, most courses in the program will transfer. Evergreen State College will accept this degree with transfer rights similar to those of the A.A. degree. Students seeking a B.A. in art should consult both the A.A. degree requirements, their advisor, and the university they plan to attend. All A.F.A. candidates in art must plan their program with an art advisor.

The Certificate of Fine Arts affirms completion of work and is suitable for art professionals, but is not a transfer certificate. Although the program can be completed in two years, a longer time span is suggested. Due to the high demand on energy and outside work required for art classes, the faculty recommends a maximum course load of two studio courses per quarter.

### Certificate

#### REQUIRED ART COURSES - 45 CREDITS

ART 101	2D Design	5
ART 102	3D Design	5
ART 111	Drawing	5
ART 112	Drawing	5
ART 113	Drawing	5
ART 251	Art History	5
ART 252	Art History	5
ART 253	Art History	5
ART 290	The Art Business	5

#### ADDITIONAL REQUIRED ART COURSES

##### GROUP I 2D Studio Art (15-25 credits)

ART 114	Digital Photography	5
ART 121	Intro to Printmaking	5
ART 122	Intro to Printmaking - Intermediate	5
ART 123	The Painterly Print: Monotype and Monoprint	5
ART 201	Painting	5
ART 202	Painting	5
ART 203	Painting	5
ART 205	Watercolor Painting	5
ART 206	Watercolor Painting	5
ART 207	Watercolor Painting	5
ART 210	Computer Art	5
ART 214	Advanced Computer Art	5

##### GROUP II 3D Studio Art (15-25 credits)

ART 211	Sculpture	5
ART 212	Sculpture	5
ART 213	Sculpture	5
ART 215	Advanced Computer Art II	5
ART 221	Ceramics	5
ART 222	Ceramics	5
ART 223	Ceramics	5
ART 281	Jewelry Design	5
ART 282	Jewelry Design	5
ART 283	Jewelry Design	5
ART 285	Metal Techniques for Small Scale Sculpture	5

#### ADDITIONAL REQUIREMENTS

Mathematics/Quantitative Reasoning	5
<i>Choose one from MAT 107 or higher, BUS 116, or ACC 100 or higher.</i>	

#### ART ELECTIVES

ART 100	Intro to Art	5
ART 254	Survey Pacific NW Art	5
ART 255	History of the Art of Asia	5
ART 291	Art Seminar	2
ART 299	Special Problems in Art	1-12
<i>Portfolio Presentation Required</i>		

TOTAL CREDITS

85

Associate of Fine Arts

REQUIRED ART COURSES	45
ART 101 2D Design .....	5
ART 102 3D Design .....	5
ART 111 Drawing .....	5
ART 112 Drawing .....	5
ART 113 Drawing .....	5
ART 251 Art History .....	5
ART 252 Art History .....	5
ART 253 Art History .....	5
ART 290 The Art Business .....	5
ADDITIONAL REQUIRED ART COURSES (MIN.)	25
<i>GROUP I 2D Studio Art (5-20 credits)</i>	
ART 114 Digital Photography .....	5
ART 121 Intro to Printmaking .....	5
ART 122 Intro to Printmaking .....	5
ART 123 The Painterly Print: Monotype and Monoprint	5
ART 201 Painting .....	5
ART 202 Painting .....	5
ART 203 Painting .....	5
ART 205 Watercolor Painting .....	5
ART 206 Watercolor Painting .....	5
ART 207 Watercolor Painting .....	5
ART 210 Computer Art .....	5
ART 214 Advanced Digital Art .....	5
<i>GROUP II 3D Studio Art (5-20 credits)</i>	
ART 211 Sculpture .....	5
ART 212 Sculpture .....	5
ART 213 Sculpture .....	5
ART 221 Ceramics .....	5
ART 222 Ceramics .....	5
ART 223 Ceramics .....	5
ART 281 Jewelry Design .....	5
ART 282 Jewelry Design .....	5
ART 283 Jewelry Design .....	5
ART 285 Metal Techniques for Small Scale Sculpture .....	5
GENERAL EDUCATION REQUIREMENTS	15
ENG 101 Composition .....	5
ENG 102 Composition .....	5
Mathematics/Quantitative Reasoning .....	5
<i>Choose from MAT 107 or higher, BUS 116, or ACC 100 or higher.</i>	
Areas of Knowledge .....	15
<i>Choose one course from Visual, Literary, and Performing Arts (excluding arts courses), one from Individuals, Cultures and Society, and one from The Natural World. Portfolio Presentation Required.</i>	
<b>TOTAL CREDITS</b>	<b>100</b>

Acting

Certificate of Fine Arts	
The C.F.A. is not a transfer certificate; students seeking a B.A. or B.F.A. in drama should consult the degree requirements for the A.A. degree at North Seattle and the graduation requirements for the university at which they intend to enroll. C.F.A. students in drama must work with a drama advisor to plan their two-year program. Students wishing to receive this certificate must submit a portfolio of work and/or special performances during their final quarter for evaluation by the drama faculty. Specific courses are planned with a drama advisor who reviews and recommends final certification. Substitutions may be made only with approval of the drama advisor and Humanities Dean.	
REQUIRED DRAMA COURSES	40
DRA 100 Intro to Theatre .....	5
DRA 121 Beginning Acting .....	5
DRA 122 Intermediate Acting .....	5
DRA 123 Intermediate Acting II .....	5
DRA 221 Advanced Acting .....	5
DRA 222 Advanced Acting II .....	5
DRA 223 Advanced Acting III .....	5
DRA 298 Special Projects .....	5
GENERAL EDUCATION REQUIREMENTS	
<i>Select a minimum of 15 general education requirement credits.</i>	
<i>Students must choose one course in Computation, one course in Communication, and one course in Human Relations.</i>	
TECHNICAL THEATER ELECTIVES	
<i>Select a minimum of 15 credits from the following:</i>	
DRA 131 Intro to Technical Theater	
DRA 211 Theater Management	
DRA 224 Production and Stage Management	
DRA 231 Props and Sound	
DRA 241 Costume	
DRA 251 Stage Scenery	
DRA 261 Stage Lighting	
RELATED ELECTIVES	
<i>Selected a minimum of 20 credits from the following:</i>	
ART 100 Intro to Art	
ART 104 Modern American Art	
ART 105 Survey of American Art	
ART 251 Art History	
ART 252 Art History	
ART 253 Art History	
DRA 108 Rehearsal & Performance	
DRA 109 Rehearsal & Performance	
DRA 110 Rehearsal & Performance	
DRA 115 Acting for the Camera	
DRA 200 Special Projects in Drama	
DRA 201 Special Projects in Drama	

**TOTAL CREDITS** **100**

DRA 202	Special Projects in Drama	
DRA 271	Independent Study in Acting	
DRA 272	Independent Study in Acting	
DRA 273	Independent Study in Acting	
DRA 291	Theatrical Internship	
DRA 292	Theatrical Internship	
DRA 293	Theatrical Internship	
DRA 298	Special Topics in Theater	
ENG 133	Intro to Dramatic Literature	
ENG 141	Shakespeare	
ENG 142	Shakespeare	
ENG 211	British Literature	
ENG 212	British Literature	
ENG 213	British Literature	
ENG 221	American Cultures	
ENG 222	American Cultures	
ENG 223	American Cultures	
ENG 228	Literature of American Culture	
HUM 104	Visual Thinking	
HUM 110	Intro to Film	
HUM 200	Reading the Media	
MUS 100	Music in the Western World	
MUS 119	Class Voice	
MUS 121	Beginning Group Piano	
MUS 122	Beginning Group Piano	
MUS 123	Beginning Group Piano	
MUS 140	College Choir	
MUS 142	Community Chorale	
MUS 143	Vocal Jazz Ensemble	
MUS 230	Performance Workshop	
PHI 100	Intro to Philosophy	
<hr/>		
TOTAL CREDITS		90

## Music

### Associate of Fine Arts Degree

This degree does not transfer at present; however, all courses in the program will transfer. Students seeking a B.A. degree in music should consult both the A.A. degree requirements and the university they plan to attend. All A.F.A. candidates in music must have a music advisor.

#### REQUIRED COURSES

MUS 101	1st Year Theory/Ear Training .....	5
MUS 102	1st Year Theory/Ear Training .....	5
MUS 103	1st Year Theory/Ear Training .....	5
MUS 201	2nd Year Theory .....	3
MUS 202	2nd Year Theory .....	3
MUS 203	2nd Year Theory .....	3
Piano Proficiency or MUS 121, 122, 123 or		
	MUS 221, 222, 223 .....	6
MUS 130-139	Individual Instruction Series .....	6
<i>(Should be taken in major and minor instrument each quarter of residency.)</i>		

#### REQUIRED PERFORMANCE COURSES

*Select a minimum of 18 credits from the following courses: (minimum 1 per quarter):*  
MUS 140, 142, 143, 151, 153, 154, 150

#### ADDITIONAL MUSIC COURSES

*Choose any additional music course (3-5 credits)*

#### GENERAL EDUCATION REQUIREMENTS

ENG 101	Composition .....	5
ENG 102	Composition .....	5
Mathematics/Quantitative Reasoning	.....	5
<i>MAT 107, MAT 110, BUS 116, BUS 152, or ACC 132.</i>		
U.S. Cultures or Global Studies	.....	5
<i>Choose any one course from the two columns in A.A. degree Areas of Knowledge.</i>		

Areas of Knowledge	.....	15
<i>Choose one course from Visual, Literary, and Performing Arts (excluding arts courses), one from Individuals, Cultures and Society, and one from The Natural World. Final performance/project approved by faculty.</i>		

TOTAL CREDITS		92-94
---------------	--	-------



# Basic Studies

## ARTS, HUMANITIES & ADULT BASIC EDUCATION DIVISION

(206) 527-3709

Basic studies programs provide instruction for those who want to improve basic English and math skills or to earn a high school diploma in order to get better jobs, continue their education, and improve their lives.

To take ABE classes, a student must be a U.S. citizen, have permanent resident status, or be a refugee or immigrant. Students with different visa status, for example B2, F2, or J2, should visit the Office of International Students Programs in room CC 2461E, or call (206) 527-3672. All students must meet with the adult education advisor to enroll in these courses throughout the quarter.

Each of the programs in this area is designed to meet a particular set of student needs.

### ADULT BASIC EDUCATION (ABE)

enables adults to improve basic reading, writing and math skills.

### ENGLISH AS A SECOND LANGUAGE (ESL)

classes help non-native speakers to communicate in English and to increase their understanding of American culture.

### GENERAL EDUCATION DEVELOPMENT (GED)

preparation is an opportunity for adults who have not graduated from high school to earn the equivalent of a high school degree.

### HIGH SCHOOL COMPLETION

offers students who have not completed work for a high school diploma the opportunity to earn a diploma.

*NOTE: The High School Completion Program is currently under revision. Students should contact the department or an advisor for information.*

## Adult Basic Education

Adult basic education classes prepare students to enroll in GED classes. Students may start at any time during the quarter on a space-available basis and should contact the adult education advisor for more details. See course descriptions under Adult Basic Education for details and fees.

## English as a Second Language

English as a Second Language classes are offered to help non-English speaking persons understand, speak, read and write English in order to carry out daily personal activities, get or keep a job, advance in the workplace or continue their educational goals.

Classes are designed for pre-literate to high-intermediate levels. For a student to be eligible for ESL classes, he or she must be a U.S. citizen, have permanent resident status, or be a

refugee or immigrant. Emphasis is on improving skills for listening, speaking, reading and writing. (See course descriptions under English as a Second Language for details). Students may begin at any time during the quarter as space becomes available.

Contact ESL Advisor or Testing Office for placement test information and fees.

## General Education Development Preparation

Students may demonstrate that they have reached an education level equal to a high school diploma by taking the General Education Development (GED) Test. To prepare for this test, the Seattle Community Colleges offer courses that cover the subjects tested, such as reading, writing, mathematics, science and social studies. These classes stress math for practical problem-solving, English usage, reading comprehension and test-taking skills.

### PREREQUISITE

Placement by advisor or completion of ABE 040. Students who pass the GED Test earn a GED certificate, acceptable to colleges, vocational programs, unions and many employers as equivalent to a high school diploma.

GED 050 GED Test Preparation

GED 051 GED Math

GED 060 Advanced GED Preparation

GED 061 Advanced GED Math

## High School Completion

High School Completion offers students who have not completed work for a high school diploma the opportunity to earn the diploma through one of two options.

The basic requirements for each of these options are listed below, but students planning to work toward a high school diploma should obtain a copy of "Requirements for the High School Diploma" from a counselor or advisor for more complete information.

According to Washington State Law (WAC 180-51-035): "A student shall have the right to graduate in accordance with the standards in effect for the school of graduation for any year since such student commenced the ninth grade unless more than ten years has passed since such entry. In such case, the student shall have the right to graduate in accordance with the standards in effect for the school of graduation for any year within the last ten years."

GED test scores may not be substituted for college or high school credits. GED preparation course credits may be approved for this program.

OPTION A:

Standard High School Diploma

(90 college credits)

A high school diploma may be earned by completing 90 college credits, including required and approved elective courses. Transfer credit may be approved for courses completed at other institutions; the final course must be taken at North Seattle Community College and a minimum of 2.0 GPA must be achieved.

Students who have not completed high school and are age 19 or older may enroll in this option for a fee. Students 18 or younger must pay tuition unless enrolled in a Running Start program through a participating high school.

REQUIRED COURSES

(A number of other courses may be substituted for these requirements. See "Requirements for the High School Diploma" for these courses.)

*NOTE: A 5-credit college level class is equal to one year of study in high school.*

ENG 040	Composition I (Sophomore English) .....	5
ENG 041	Composition II (Junior English) .....	5
ENG 042	Composition III (Senior English) .....	5
Fine Arts	(DRAMA 100, MUSIC 100, ART 100 or other approved courses) .....	5
HIS 035	U.S. History I .....	5
HIS 037	Washington State History (or satisfaction of requirement) .....	3-5
POL 022	Contemporary World Problems, World History or World Geography .....	5
MAT 080	Pre-Algebra, Algebra I Series (or math class at student's placement level) .....	10
	<i>It is strongly recommended that at least one course be algebra if the student is college-bound.</i>	
Science	.....	10
	<i>To complete the science requirement, the student may take any two science courses (one of which must be a lab science) for which prerequisites have been met. Choice includes SCI 090 and SCI 100.</i>	
Occupational Education	.....	5
	<i>(any vocational class)</i>	

TOTAL REQUIRED CREDITS	58-60
TOTAL ELECTIVE CREDITS	30-32
TOTAL CREDITS	90

OPTION B:

Associate Degree Conversion Diploma

Upon successful completion of the Associate of Arts (A.A.) degree including the following courses, the student may be granted a high school diploma in addition to the A.A. degree.

U.S. History I .....	5
Wash. State History (or satisfaction of requirement) .....	3-5

Transfer credit may be granted for equivalent courses completed at other institutions, but at least 20 quarter hours of credit, with a minimum grade point average of 2.0, must be taken at one of the Seattle Community Colleges. Final quarter courses must be at the campus awarding the diploma.

SUBSTITUTE COURSES

*Several pre-college transfer and college transfer courses may be substituted for required high school courses. Students who want to earn college credit while fulfilling high school graduation requirements should consult with the Advising Center or high school completion program director.*

ELECTIVE COURSES

*Elective courses may be selected from the high school completion program and the following areas: vocational, general studies (liberal studies), college preparatory courses in math and English.*

*Work experience may also qualify for credit. Credits may be granted on proof of satisfactory employment (405 hours = 1 high school credit or 5 college credits).*

*NOTE: This option is not automatic, and procedures vary from campus to campus.*

Pre-College English, Mathematics and Human Development Courses

Many students entering college or returning after some time away from studies need additional work to prepare for college-level courses. For these students, the Seattle Community Colleges offer a series of courses in English, mathematics and human development. Placement in one or more of these courses is determined by performance on entrance tests required for admission to the specific college program. Courses in this category are those numbered below 100. They are described in the course description sections for English, mathematics and human development.

For more information about Basic Studies programs, please contact the program advisor at (206) 527-7303.

# Continuing Education

Community Service Classes  
(Non-credit and non-graded classes)  
(206) 527-3705

Believing that learning is a life-long process of discovery and adventure, North's Continuing Education program provides non-credit courses to adults who wish to update or learn a new skill or explore a new interest. Students can select from more than 300 classes in the areas of art and crafts, business, cooking, computers, personal finance, music and drama, photography, travel, and sports and exercise. In addition to classes, North's Continuing Education sponsors trips and monthly networking breakfasts.

For more information and a full class listing, visit [www.learnatnorth.org](http://www.learnatnorth.org).

Computer Training Programs  
(206) 527-3705

North offers a wide range of non-credit computer classes ranging from Cisco, Web Designer and .Net applications to entry-level computer use. Whether a student is an experienced programmer wanting to upgrade skills, an intermediate user wanting to make the most of the computer or a beginner just trying to send e-mail, Continuing Education has a class for everyone.

Customized Business Training  
(206) 985-3980

Customized training allows a company to respond to the need to upgrade and expand the technical and professional skills of its employees. Classes are provided at the company's site or at one of our convenient locations.

# Workforce Education Programs

## ACCOUNTING

Business, Engineering, and Information Technologies Division (206) 527-3730

The Accounting program provides in-depth study in the field of accounting and advanced accounting studies for those preparing to take professional examinations. The program leads to an accounting certificate or associate's degree and prepares graduates for employment in the industry.

It is recommended that any three-quarter accounting sequence (e.g., 210-230) be completed at the same campus.

### Accounting

This two-year program prepares students for immediate accounting and future supervisory positions. The program includes accounting and business skills as well as college transfer and supporting courses designed to strengthen the students' self-assurance and leadership qualities.

Associate of Applied Science Degree (A.A.S.)

#### TECHNICAL SPECIALTY COURSES

ACC 110 Intro to Accounting/Bookkeeping I	5
ACC 131 QuickBooks	5
ACC 210 Financial Accounting Fundamentals I	5
ACC 220 Financial Accounting Fundamentals II	5
ACC 230 Fundamentals of Managerial Accounting	5
ACC 251 Intermediate Accounting I	5
ACC 255 Federal Income Tax I	5
ACC 257 Business Tax Accounting	5
ACC 260 Peachtree Accounting	5
ACC 261 Advanced Computerized Accounting	5
ACC 197 Work Experience: Accounting	2-5

#### RELATED INSTRUCTION

BUS 124 Excel for Business	3
BUS 125 Access for Business	3
BUS 140 Customer Relations	5
BUS 169 Using Computers in Business	5
BUS 200 Intro to Law	5
- OR -	
BUS 250 Business Law	5
BUS 210 Business & Economic Statistics	5
BUS 236 Interpersonal Communications in the Workplace	5

#### GENERAL EDUCATION COURSES

Electives\* ..... 10

*Must be selected from a list of approved General Education courses; 5 credits must come from US Cultures or Global Studies and 5 from the remaining areas.*

*\*Recommended: ECO 200 or ECO 201.*

TOTAL CREDITS 93-96

## Accounting Paraprofessional

This program prepares graduates for bookkeeping careers and general office employment. The program normally can be completed in four quarters. The curriculum contains instruction which enables students to acquire knowledge through content and methodology, to think critically, to formulate values and make decisions, and to appreciate and understand their own and other cultures. Course requirements outside the accounting department represent related instruction in support of skills and knowledge necessary in the accounting and general office fields.

### Certificate

#### TECHNICAL SPECIALTY COURSES

ACC 110 Intro to Accounting/Bookkeeping I	5
ACC 131 QuickBooks	5
ACC 197 Work Experience: Accounting	2-5
ACC 210 Financial Accounting Fundamentals I	5
ACC 220 Financial Accounting Fundamentals II	5
ACC 255 Federal Income Tax I	5
ACC 257 Business Tax Accounting	5

#### RELATED INSTRUCTION

BUS 116 Business Math/Spreadsheets	5
BUS 124 Excel for Business	3
BUS 125 Access for Business	3
BUS 140 Customer Relations	5
BUS 169 Using Computers in Business*	5
BUS 236 Interpersonal Communications for the Workplace**	5

*\*IT 101 may be substituted for BUS 169*

*\*\*BUS 235 may be substituted for BUS 236.*

TOTAL CREDITS 58-61

## Computerized Accounting Technology

The Computerized Accounting Technology certificate is a four-quarter program designed to provide students with computerized accounting skills using state-of-the-art accounting software. The program bridges the gap between manual and computerized accounting systems with students gaining hands-on experience and expertise with basic, mid-range, and sophisticated accounting systems. This experience will provide graduates with viable entry and/or advancement in the accounting job market with both large and small organizations.

Certificate

**REQUIRED COURSES**

ACC 110 Intro to Accounting/Bookkeeping I .....	5
ACC 131 QuickBooks .....	5
ACC 197 Work Experience – Accounting .....	2-5
ACC 210 Financial Accounting Fundamentals I .....	5
ACC 220 Financial Accounting Fundamentals II .....	5
ACC 230 Fundamentals of Managerial Accounting .....	5
ACC 257 Business Tax Accounting .....	5
ACC 260 Peachtree Accounting .....	5
ACC 261 Advanced Computerized Accounting .....	5
BUS 124 Excel for Business .....	3
BUS 125 Access for Business .....	3
BUS 140 Customer Relations .....	5
BUS 169 Using Computers in Business .....	5
BUS 236 Interpersonal Communications in the Workplace .....	5

*NOTE: IT 101 may be substituted for BUS 169; BUS 235 may be substituted for BUS 236; ACC 262 may be substituted for ACC 261.*

TOTAL CREDITS 63-66

**ALLIED HEALTH SCIENCES**

Health/Medical Division (206)527-3790  
 North Seattle Community College offers an Associate of Applied Science (A.A.S.) degree in Allied Health Sciences for graduates of certificate programs in Medical Assisting, Practical Nursing, and Pharmacy Technician. These programs are listed in alphabetical order in this section.

Associate of Applied Science Degree (A.A.S.)

**DEGREE CRITERIA INCLUDE:**

1. A NSCC health occupation certificate with a min. of 45 technical credits specific to that occupation. Graduates from similar programs at other Washington community colleges or accredited vocational-technical schools may also be candidates.
2. Completion of specific technical courses, related General Education and liberal studies.
3. Completion of 90 credit hours.
4. An overall grade point average of 2.0. Other requirements may be established by faculty or administrative policies.

**PROGRAM REQUIREMENTS FOR MEDICAL ASSISTING, PHARMACY TECHNICIAN & PRACTICAL NURSING:**

- a. 45 (minimum) - 60 (maximum) vocational-technical credits.
- b. Min. of 25 credits in General Education or related instruction courses: Communication (5); Computation/Quantitative Reasoning (5); Human Relations (5); and 10 credits from the list of approved courses for the A.A. degree (must include 5 credits from U.S. Cultures or Global Studies).
- c. Up to 20 elective credits may be taken as necessary to complete the 90 credits required for the degree.

*Allied Health programs are part of the Seattle Health Care Education Institute of the Seattle Community Colleges. For more info., see [www.seattlecolleges.com/healthcare](http://www.seattlecolleges.com/healthcare).*

**ARCHITECTURAL ENGINEERING DRAFTING**

Business, Engineering, and  
 Information Technologies Division (206)527-3730  
 Training provided in this program is directed toward the construction and design industry, and prepares students for a growing number of entry-level jobs in engineering, construction firms and public agencies. Coursework includes both computer drafting and conventional hand drafting, as well as basic applied mechanics, cost estimating, shop drawing preparation and construction materials and processes. The two-year sequence leads to an Associate of Applied Science degree. A one-year certificate is also offered. The program includes General Education requirements, providing a well-rounded educational experience.

Certificate

**TECHNICAL SPECIALTY COURSES**

DSN 109 Architectural Engineering Drafting Lab* ....	1-3
DSN 111 Basic CAD Drafting for Const. & Design .....	5
DSN 112 Intermediate CAD Drafting for Construction & Design .....	5
DSN 113 Basic Drafting .....	5
DSN 124 Materials & Methods of Construction .....	5
DSN 144 Design & Construction Environment .....	5
DSN 134 Systems in Buildings .....	5

**RELATED INSTRUCTION**

ENG 101 Composition † .....	5
MAT 098 Intermediate Algebra .....	5
SSC 103 Human Dimension of Work** .....	5

*\* May be repeated each quarter.  
 \*\* May be substituted with any 100-level approved human relations/math course.  
 † May be substituted with ENG 105 and a 5-credit General Education course.*

TOTAL CREDITS 46-48

Associate of Applied Science Degree (A.A.S.)  
Completion of Certificate Requirements ..... 46-48

TECHNICAL SPECIALTY COURSES

DSN 109 Architectural Engineering Drafting Lab\* ..... 1  
 DSN 115 Civil & Site Drafting ..... 5  
 DSN 160 Applied Mechanics I ..... 5  
 DSN 161 Applied Mechanics II ..... 5  
 DSN 258 Contract Drawing Preparation I ..... 5  
 DSN 259 Contract Drawing Preparation II ..... 5  
 DSN 269 Construction Estimating ..... 5  
     IT Computer Skill Classes\*\* ..... 5

COMMUNICATIONS COURSES

EGR 231 Technical Writing ..... 3  
 General Education Courses ..... 5  
*5 General Education requirement credits, which must be selected from specific General Education categories. Contact the Advising Center for a list of these categories and courses.*  
*\* May be repeated each quarter.*  
*\*\*A minimum of 5 credits in computer skill classes required.*

TOTAL CREDITS ..... 96-98

Construction & Design Drafting with CAD  
Certificate (day and evening course offerings)

TECHNICAL SPECIALTY COURSES

DSN 109 Architectural Engineering Drafting Lab\* ..... 1-3  
 DSN 113 Basic Drafting ..... 5  
 DSN 124 Materials & Methods of Construction ..... 5  
 DSN 134 Systems in Buildings ..... 5  
 DSN 144 Design & Construction Environment ..... 5  
 DSN 174 Intro to CAD for Architectural  
     & Engineering Drafting ..... 4  
 DSN 175 Intermediate AutoCAD for Engineers &  
     Architects ..... 4  
 DSN 176 Adv AutoCAD for Architectural  
     & Engineering Drafting ..... 4

GENERAL EDUCATION COURSES

ENG 101 Composition ..... 5  
 MAT 098 Intermediate Algebra ..... 5  
     Electives ..... 5  
*Contact the Advising Center for a list of acceptable courses.*  
*\*May be repeated each quarter.*  
*Cooperative Work Experience (2-4 credits) is recommended.*

TOTAL CREDITS ..... 48-50

BIOMEDICAL EQUIPMENT TECHNOLOGY

Business, Engineering, and  
Information Technologies Division (206) 527-3730  
North Seattle Community College has offered a comprehensive program in Biomedical Equipment Technology for more than 10 years, with courses from the Electronics Technology program serving as a strong foundation.

Associate of Applied Science Degree

TECHNICAL SPECIALTY COURSES

EET 105 Intro to Technology ..... 3  
 EET 107 Principles of Electronics ..... 4  
 EET 108 Principles of Electronics Laboratory ..... 4  
 EET 109 Mathematical Applications for  
     Circuit Analysis\* ..... 5  
 EET 112 Fundamentals of Fluid Power &  
     Electromechanical Systems ..... 6  
 EET 114 Applied Physics\*\* ..... 5  
 EET 117 Electronic Devices ..... 4  
 EET 118 Electronic Devices – Lab ..... 4  
 EET 127 Intro to Digital and Analog Circuits ..... 4  
 EET 128 Intro to Digital and Analog Circuits – Lab ..... 4  
 EET 131 IT Essentials – A+ Certifications ..... 5  
 EET 132 IT Essentials – A+ Certification ..... 5  
 EET 207 Advanced Principles of Electronics ..... 4  
 EET 208 Advanced Principles of Electronics – Lab ..... 4  
 EET 217 Digital & Analog Circuits II ..... 4  
 EET 218 Digital & Analog Circuits II – Lab ..... 4  
 EET 251 Microprocessor Fundamentals I ..... 5

*\* MAT 122 or any calculus class may be substituted for EET 109.*

*\*\* PHY 101 and 102 may be substituted for EET 114.*

RELATED INSTRUCTION

AHI 100 Intro to Medical Vocabulary ..... 3  
 ANP 128 Survey of Anatomy & Physiology ..... 5  
 BUS 236 Interpersonal Communications for the  
     Workplace ..... 5  
 CHE 101 Chemistry ..... 5  
 CSC 110 Intro to Computer Programming ..... 5  
 ENG 101 Composition ..... 5

ADVANCED TECHNICAL MODULES ..... 14

*Students must choose 14 module credits from the following: EET 286, 287, 297 BMET Modules*

GENERAL EDUCATION COURSES

*5 General Education requirement credits must be selected from specific General Education categories. Contact the Advising Center for a list of these categories and courses.*

TOTAL CREDITS ..... 121

## BUSINESS

Business, Engineering, and Information Technologies Division (206) 527-3730  
The Business program prepares students to enter business in management trainee positions. Coursework encompasses most of the activities that fit within the realm of management responsibilities.

### General Business

Associate of Applied Science Degree (A.A.S.)

#### TECHNICAL SPECIALTY COURSES

ACC 210 Financial Accounting Fundamentals I .....	5
ACC 220 Financial Accounting Fundamentals II .....	5
BUS 101 Intro to Business .....	5
BUS 112 Multicultural Issues in the American Workplace .....	5
BUS 114 Intro to Marketing .....	5
BUS 131 Integrated Communications I* .....	5
BUS 169 Using Computers in Business I .....	5
BUS 200 Intro to Law** .....	5
- OR -	
BUS 250 Business Law*** .....	5
BUS 210 Business & Economic Statistics .....	5
BUS 201 Human Resource Management .....	5
BUS 215 Intro to International Business .....	5
BUS 216 Professional Development .....	5
BUS 230 Business Communications .....	5
- OR -	
BUS 132 Integrated Communications II .....	5
BUS 236 Interpersonal Communication for the Workplace .....	5

\* Eligible for ENG 101 through English placement exam or completion of ENG 097/098.

\*\* BUS 200 transfers to the University of Washington.

\*\*\* BUS 250 transfers to most four-year colleges/universities and DOES NOT transfer to the University of Washington.

#### RELATED INSTRUCTION

10 credits from the following two lists: At least 5 credits must be from the "A" List: ACC 131, BUS 124, 125, 156, 182, 269, IT 111 "B" List: ACC 230, 255, BUS 116, 197, 299 ECO 200, 201,

#### ELECTIVES: GENERAL EDUCATION COURSES 10

Select 10 credits from a list of approved General Education courses. Contact the Advising Center for a list of courses.

NOTE: Students transferring to a four-year college must take 10 credits in behavioral science.

TOTAL CREDITS 90

## BUSINESS INFORMATION TECHNOLOGY

Business, Engineering, and Information Technologies Division (206) 527-3730  
The Business Information Technology program prepares students for employment as office support professionals and administrative assistants with computer literacy in information processing, spreadsheets, databases, presentation graphics, and word processing.

### Certificate

#### TECHNICAL SPECIALTY COURSES

BUS 106 Keyboarding/Skillbuilding* .....	3
BUS 112 Multicultural Issues in the American Workplace .....	5
- OR -	
BUS 113 Diversity Issues in Business .....	3
BUS 116 Business Math/Spreadsheets .....	5
BUS 131 Integrated Communications I** .....	5
BUS 132 Integrated Communications II .....	5
- OR -	
BUS 230 Business Communications .....	5
BUS 140 Customer Relations .....	5
BUS 169 Using Computers in Business I .....	5
BUS 182 Information & Database Management .....	5
BUS 197 Work Experience - Business .....	3-5
BUS 216 Professional Development .....	5
BUS 269 Using Computers in Business II .....	5
BUS 270 Using Computers in Business III .....	5

Prerequisite: \* BUS 105 or 25 wpm (words per minute) accurate keyboarding by touch or concurrent enrollment in BUS 106. Course may be repeated up to two times to build required speed.

\*\* Eligible for ENG 101 through English Placement Exam or completion of ENG 097/098.

TOTAL CREDITS 54-58

TOTAL CREDITS 90

Associate of Applied Science Degree (A.A.S.)

TECHNICAL SPECIALTY COURSES

BUS 106	Keyboarding/Skillbuilding*	3
BUS 112	Multicultural Issues in the American Workplace	5
-OR-		
BUS 113	Diversity Issues in Business	3
BUS 116	Business Math/Spreadsheets	5
BUS 131	Integrated Communications I**	5
BUS 132	Integrated Communications II	5
- OR -		
BUS 230	Business Communications	5
BUS 140	Customer Relations	5
BUS 169	Using Computers in Business I	5
BUS 182	Information & Database Management	5
BUS 197	Work Experience – Business	3-5
BUS 216	Professional Development	5
BUS 269	Using Computers in Business II	5
BUS 270	Using Computers in Business III	5

*\* Prerequisite: Demonstrated ability to keyboard at 25 cwpm (correct words per minute) or satisfactory completion of BUS 104 or 105. BUS 106 may be waived for students demonstrating ability to keyboard at 40 cwpm.*

*\*\* Eligible for ENG 101 through English Placement Exam or completion of ENG 097/098.*

RELATED INSTRUCTION

BUS 101	Intro to Business	5
BUS 124	Excel for Business	3
BUS 156	Intro to e-Business/Commerce	5
-OR-		
IT 111	Internet & Web Authoring Using XHTML	5
BUS 201	Human Resource Management	5
BUS 204	Office Procedures	5
BUS 236	Interpersonal Communications for the Workplace	5
BUS 270	Using Computers in Business III	5

GENERAL EDUCATION COURSES

*10 General Education requirement credits must be selected from specific General Education categories. Contact the Advising Center for a list of these categories and acceptable courses.*

TOTAL CREDITS 92-96

Customer Service

These certificates combine office support training in communications, customer relations, information technology, skill-building, and on-the-job work experience — all designed to prepare students for entry-level positions as customer service representatives.

Certificate

TECHNICAL SPECIALTY COURSES

BUS 106	Keyboarding/Skillbuilding*	3
BUS 131	Integrated Communications I**	5
BUS 140	Customer Relations	5
BUS 169	Using Computers in Business I	5
BUS 197	Work Experience: Business	3

*\* Prerequisite: BUS 105 or 25 wpm accurate keyboarding by touch or concurrent enrollment in BUS 106. Course may be repeated up to two times to build required speed.*

*\*\* Eligible for ENG 101 through English Placement Exam or completion of ENG 097/098.*

TOTAL CREDITS 21-23

Advanced Customer Service

Certificate

TECHNICAL SPECIALTY COURSES

BUS 106	Keyboarding/Skillbuilding*	3
BUS 112	Multicultural Issues in the American Workplace	5
- OR -		
BUS 113	Diversity Issues in Business	3
BUS 131	Integrated Communications I**	5
BUS 132	Integrated Communications II	5
- OR -		

BUS 230	Business Communications	5
BUS 140	Customer Relations	5
BUS 169	Using Computers in Business I	5
BUS 269	Using Computers in Business II	5
BUS 197	Work Experience: Business	3-5

*\* Prerequisite: BUS 105 or 25 wpm accurate keyboarding by touch or concurrent enrollment in BUS 106. Course may be repeated up to two times to build required speed.*

*\*\* Eligible for ENG 101 through English Placement Test or satisfactory completion of ENG 097/098.*

TOTAL CREDITS 34-38

Computer Training

*See Information Technologies*

Culinary Arts

*See Hospitality / Food Service / Culinary Arts*

Drafting

*See Architectural Engineering Drafting*



## EARLY CHILDHOOD EDUCATION

Child & Family Education Division (206) 527-3783  
North offers both a certificate and an Associate of Applied Science degree in early childhood education. A specialty certificate is available in paraeducator.

The A.A.S. degree in early childhood education is a two-year teacher preparation program focusing on the educational and developmental needs of children from birth to 8 years old. Career opportunities include positions as a childcare teacher, preschool teacher or instructional assistant in special education classrooms.

### Early Childhood Education

Certificate and Associate of Applied Science Degree (A.A.S.)

#### GENERAL EDUCATION

Select 5 credits from each of the following categories (for a total of 20 credits). Contact the Advising Office for a list of approved courses:

- Communication (written or oral)
- Computation/Quantitative Reasoning
- US Cultures or Global Studies
- Visual, Literary, Performing Arts or Natural World

#### RELATED INSTRUCTION

##### PROFESSIONAL PRACTICE WITH YOUNG CHILDREN

CCE 160D-Connecting to Children (2-credit modules):	
D1 Expressing Warmth to Children .....	2
D2 Playing Responsively .....	2
D3 Talking Informatively .....	2
D4 Initiative, Cooperation, Perseverance .....	2
CCE 292B-Classroom Research .....	12

#### REQUIRED COURSES

CCE 102 Issues & Trends in Early Childhood Ed. ....	3
CCE 113 Human Exceptionalities .....	3
CCE 125 Program Planning .....	5
CCE 135 Foundations of Early Learning .....	5
CCE 166 Cultivating Conversation* .....	3
CCE 159 Behavior Management* .....	4
CCE 232 Parent Involvement* .....	4
CCE 234 Staff Relationships* .....	3

\* Human Relations included in these required CCE courses.

#### ELECTIVE COURSES

Select a minimum of 20 credits from the following courses:

CCE 101 Human Development .....	5
CCE 136 Signing with Young Children .....	2
CCE 145 Music and Creative Expression .....	4
CCE 165 Understanding Literacy .....	3

CCE 175 Mathematics & Design .....	3
CCE 180 Professional Development .....	1-6
CCE 185 Physical Education in Early Childhood .....	3
CCE 195 Art for Young Children .....	3
CCE 266 Building Thoughtful Expression .....	3
CCE 240 Multicultural Dialogues .....	3
CCE 261 Readings in Early Childhood Education .....	1-6
CCE 285 The Project Approach .....	5
CCE 170C-Creating the Conditions for Learning .....	2-18
<i>(2-credit modules)</i>	
C1 Exploration Activities .....	2
C2 Process Activities .....	2
C3 Construction .....	2
C4 Drama Area .....	2
C5 Writing & Enactment .....	2
C6 Science Center .....	2
C7 Making Center .....	2
C8 Cleaning & Restoration .....	2
C9 Songs and Games at Music .....	2
C10 Creative Dance .....	2
C11 Book Center .....	2
C12 Books and Oral Stories .....	2
C13 Workstation Activities .....	2
C14 Cooperative Games & Computers .....	2
C15 Physical Play Spaces .....	2
C16 Outdoor Games .....	2
C17 Painting and Clay .....	2
C18 Drawing to Learn .....	2
C19 Supporting Children w/Behavior Difficulties ..	2
C20 Teaching Children with Special Needs .....	2

TOTAL CREDITS 90 - 116

#### Modular Equivalents:

- CCE 125 = three of C1-C8
- CCE 145 = C9 & C10
- CCE 165 = C11 & C12
- CCE 175 = C13 & C14
- CCE 185 = C15 & C16
- CCE 195 = C17 & C18

### Early Childhood Education

Assistant Certificate

#### TECHNICAL SPECIALTY COURSES

CCE 160 Connecting to Children (2-credit modules):	
D1 Expressing Warmth to Children .....	2
D2 Playing Responsively .....	2
D3 Talking Informatively .....	2
D4 Initiative, Cooperation, Perseverance .....	2

TOTAL CREDITS 8

Certificate

REQUIRED COURSES

CCE 160C-Connecting to Children:

- D1 Expressing Warmth to Children ..... 2
- D2 Playing Responsively ..... 2
- D3 Talking Informatively ..... 2
- D4 Initiative, Cooperation, Perseverance ..... 2

CCE 125 Program Planning ..... 5

- OR -

CCE 170 Creating the Conditions for Learning (from C1 to C8)\* ..... 6

CCE 145 Music & Creative Expression ..... 4

- OR -

CCE 170 Creating the Conditions for Learning (C9 & C10) ..... 4

CCE 165 Understanding Literacy ..... 3

- OR -

CCE 170 Creating the Conditions for Learning (C11 & C12) ..... 4

CCE 175 Mathematics & Design ..... 3

- OR -

CCE 170 Creating the Conditions for Learning (C13 & C14) ..... 4

CCE 185 Physical Education in Early Childhood Education ..... 3

- OR -

CCE 170 Creating the Conditions for Learning (C15 & C16) ..... 4

CCE 195 Art for Young Children ..... 3

- OR -

CCE 170 Creating the Conditions for Learning (C17 & C18) ..... 4

ELECTIVE COURSES

*Select a minimum of 3 credits from the following courses:*

- CCE 101 Human Development ..... 5
- CCE 135 Foundations of Early Learning ..... 5
- CCE 136 Signing with Young Children ..... 2
- CCE 166 Cultivating Conversations ..... 3
- CCE 159 Behavior Management ..... 4
- CCE 165 Understanding Literacy ..... 3
- CCE 234 Staff Relationships ..... 3
- CCE 266 Building Thoughtful Expression ..... 3
- CCE 240 Multicultural Dialogues ..... 3
- CCE 285 The Project Approach ..... 5

TOTAL CREDITS 32-37

CCE 170 C – 2-credit modules

- C1 Exploration Activities ..... 2
- C2 Process Activities ..... 2
- C3 Construction ..... 2
- C4 Drama Area ..... 2
- C5 Writing & Enactment ..... 2
- C6 Science Center ..... 2
- C7 Making Center ..... 2
- C8 Cleaning & Restoration ..... 2
- C9 Songs & Games at Music ..... 2
- C10 Creative Dance ..... 2
- C11 Book Center ..... 2
- C12 Books and Stories ..... 2
- C13 Workstation Activities ..... 2
- C14 Cooperative Games & Computers ..... 2
- C15 Physical Play Spaces ..... 2
- C16 Outdoor Games ..... 2
- C17 Painting & Clay ..... 2
- C18 Drawing to Learn ..... 2

Paraeducator

Certificate

The Paraeducator Certificate is currently under revision. Contact the division office at (206) 527-3783 for additional information.

TECHNICAL SPECIALTY COURSES

- CCE 113 Human Exceptionalities ..... 3
- CCE 150 Teaching Exceptional Learners ..... 3
- CCE 153 Creating Inclusive School Communities ..... 3
- CCE 154 Field Learning Experience ..... 6

RELATED INSTRUCTION

*8 - 10 credits required:*

- CCE 101 Human Development ..... 5
- CCE 159 Behavior Management ..... 4
- CCE 234 Staff Relationships ..... 3

TOTAL CREDITS 23-25

## ELECTRONICS

Business, Engineering, and Information Technologies Division (206) 527-3730

Electronics and associated technologies taught at North prepare students for careers in this diverse and expanding field. Ongoing changes in the electronics technology programs reflect changing community and industry needs. Extensive research has resulted in a series of program offerings that meet the interests of students as well as industry demands. Instruction emphasizes a hands-on approach, the use of sophisticated test equipment unique to each discipline and a solid base of pertinent information. These programs provide high-skill learning opportunities, including professional certification and Associate of Applied Science Degree options.

To accommodate students in as many segments of the industry as possible, day (D) and evening (E) programs are offered in the following areas:

- Biomedical Equipment Technology ..... D
- CAD for Industrial Applications ..... D
- CAD for Industrial Applications, Certificate ..... D
- Digital Computer Electronics ..... D
- Electronic Communications ..... D
- Electronics Engineering Technology ..... DE
- Electronics Technology ..... D
- General Electronic Technology ..... E
- Industrial Power & Control Technology ..... DE
- Industrial Power & Control Technology, Certificate ..... DE

*Note to Electronics Technology Majors: Students interested in this field should contact the program advisor at (206) 527-3757, or the Advising Center at (206) 527-3658 before enrolling. Courses and programs are transferable to certain four-year institutions.*

## ELECTRONICS

### TELECOMMUNICATIONS TECHNOLOGY

Business, Engineering, and Information Technologies Division (206) 527-3730

North Seattle Community College has offered a comprehensive program in Electronic Communication Technology for more than ten years, with courses from the Electronics Technology program serving as a strong foundation

Associate of Applied Science Degree (A.A.S.)

#### TECHNICAL SPECIALTY COURSES

EET 105 Intro to Technology .....	3
EET 107 Principles of Electronics .....	4
EET 108 Principles of Electronics Lab .....	4
EET 109 Mathematical Apps. for Circuit Analysis .....	5
EET 114 Applied Physics .....	5
EET 117 Electronic Devices .....	4
EET 118 Electronic Devices Lab .....	4
EET 127 Intro to Digital & Analog Circuits .....	4
EET 128 Intro to Digital and Analog Circuits, Lab .....	4
EET 131 IT Essentials – A+ Certification .....	5
EET 132 IT Essentials – A+ Certification .....	5
EET 207 Advanced Principles of Electronics .....	4
EET 208 Advanced Principles of Electronics, Lab .....	4
EET 217 Digital and Analog Circuits, II .....	4
EET 218 Digital and Analog Circuits II, Lab .....	4
EET 241 Principles of Telecommunications I .....	5
EET 242 Principles of Telecommunications II .....	5
EET 243 Principles of Telecommunications III .....	5
EET 251 Microprocessor Fundamentals I .....	5
EET 271 Advanced Technical Modules .....	5

#### RELATED INSTRUCTION

BUS 236 Interpersonal Communication for the Workplace .....	5
ENG 101 Composition .....	5
IT 120 Network Essentials - Comptia Network + .....	5
IT 122 Network OS 1-Win2K Professional .....	5
IT 124 Network OS 2-Win2K Server .....	5
IT 138 Unix for Network Administration .....	5

#### GENERAL EDUCATION COURSES

*5 General Education requirement credits must be selected from specific General Education categories. Contact the Advising Center for a list of these categories and courses.*

#### TECHNICAL ELECTIVES

*Select 10 technical electives. Contact the Advising Center for a list of acceptable courses.*

TOTAL CREDITS

118

## ELECTRONICS ENGINEERING TECHNOLOGY

Business, Engineering, and  
Information Technologies Division (206) 527-3730

The Electronics Engineering Technology program is being significantly revised to reflect the American Electronics Association standards of a high-performance worker. The programs will include more choices for specialized study in the form of small credit modules of learning. During the revision, these programs will continue to provide skilled learning opportunities, including professional certification and Associate of Applied Science degrees.

This program provides a solid framework for advanced training in electronic engineering at a polytechnic or four-year institution. It also provides an excellent foundation in applied engineering for students who wish to enter the workforce immediately.

Because of the complexity regarding course sequence and prerequisites, students should seek advanced planning assistance with an advisor.

Associate of Applied Science Degree (A.A.S.)

### TECHNICAL SPECIALTY COURSES

EET 105 Intro to Technology .....	3
EET 107 Principles of Electronics .....	4
EET 108 Principles of Electronics Lab .....	4
EET 117 Electronic Devices .....	4
EET 118 Electronic Devices Lab .....	4
EET 127 Intro to Digital & Analog Circuits .....	4
EET 128 Intro to Digital & Analog Circuits - Lab .....	4
EET 207 Advanced Principles of Electronics .....	4
EET 208 Advanced Principles of Electronics - Lab .....	4
EET 217 Digital and Analog Circuits, II .....	4
EET 218 Digital and Analog Circuits II - Lab .....	4
EET 251 Microprocessor Fundamentals I .....	5
EET 285 Electronics Technology Project .....	3

### RELATED INSTRUCTION

EGR/CSC 142 Computer Programming for Engineers ....	5
MAT 120 Elementary Functions .....	5
MAT 124 Calculus w/Analytic Geometry .....	5
MAT 125 Calculus w/Analytic Geometry .....	5
PHY 101 General Physics I .....	5
PHY 102 General Physics II .....	5
PHY 103 General Physics III .....	5

### COMMUNICATIONS COURSES

CMN 120 Intro to Public Speaking .....	5
EGR 231 Technical Writing .....	3
ENG 101 Composition .....	5

## GENERAL EDUCATION COURSES

*10 General Education requirement credits must be selected from specific General Education categories. Contact the Advising Center for a list of these categories and courses.*

## TECHNICAL ELECTIVES

*Select 8 - 10 technical electives. Contact the Advising Center for a list of acceptable courses.*

TOTAL CREDITS

117-119

## ELECTRONICS TECHNOLOGY

Business, Engineering, and  
Information Technologies Division (206) 527-3730

This newly updated program reflects the American Electronics Association (AEA) standards for a technician in a high-performance workplace. The program provides a solid concept base for students who seek specialized training in electronics, and leads to a certificate or Associate of Applied Science degree.

The certificate program provides basic entry-level training for a variety of electronic job positions such as production testing and service; technician assistance; automatic test equipment operation; prototype testing and assembly; specialized electronically controlled equipment; and other support positions.

### Certificate

#### TECHNICAL SPECIALTY COURSES

EET 105 Intro to Technology .....	3
EET 107 Principles of Electronics .....	4
EET 108 Principles of Electronics Laboratory .....	4
EET 109 Mathematical Applications for Circuit Analysis* .....	5
EET 114 Applied Physics** .....	5
EET 117 Electronic Devices .....	4
EET 118 Electronic Devices Lab .....	4
EET 127 Intro to Digital & Analog Circuits .....	4
EET 128 Intro to Digital & Analog Circuits Lab .....	4
EET 131 IT Essentials I - A+ Certification .....	5
EET 132 IT Essentials II - Network Operating Systems .....	5

#### GENERAL EDUCATION COURSES\*\*\*

BUS 236 Interpersonal Communication for the Workplace .....	3
CSC 110 Intro to Computer Programming .....	5
EGR 231 Technical Writing .....	3

*\*MAT 122 or any calculus course may be substituted for EET 109.*

*\*\*PHY 101, 102 may be substituted for EET 114.*

*\*\*\*Check with Advising Center for course substitutions.*

TOTAL CREDITS

58

Associate of Applied Science Degree (A.A.S.)

TECHNICAL SPECIALTY COURSES

EET 105	Intro to Technology .....	3
EET 107	Principles of Electronics .....	4
EET 108	Principles of Electronics Laboratory .....	4
EET 109	Mathematical Applications for Circuit Analysis* .....	5
EET 112	Fundamentals of Fluid Power & Electromechanical Systems .....	6
EET 114	Applied Physics** .....	5
EET 117	Electronic Devices .....	4
EET 118	Electronic Devices Lab .....	4
EET 127	Intro to Digital & Analog Circuits .....	4
EET 128	Intro to Digital & Analog Circuits Lab .....	4
EET 131	IT Essentials I - A+ Certification .....	5
EET 132	IT Essentials Part II - Network Operating Systems .....	5
EET 207	Advanced Principles of Electronics .....	4
EET 208	Advanced Principles of Electronics Lab .....	4
EET 217	Digital & Analog Circuits II .....	4
EET 218	Digital & Analog Circuits II, Laboratory .....	4
EET 251	Microprocessor Fundamentals I .....	5
EET 271	Advanced Technical Modules in Electronics Technology .....	5
EET 285	Electronics Technology Project .....	3
	Technical Electives .....	15
	<i>See Advisor for current list of elective courses</i>	

RELATED INSTRUCTION

BUS 236	Interpersonal Communication for the Workplace .....	5
CSC 110	Intro to Computer Programming .....	5
ENG 101	Composition .....	5

GENERAL EDUCATION COURSES

*5 General Education requirements must be selected from specific General Education categories. Contact the Advising Center for a list of these categories and courses.*

*\* MAT 122 may be substituted for EET 109.*

*\*\* PHY 101, 102 may be substituted for EET 114.*

TOTAL CREDITS 117

EMERGENCY MEDICAL TECHNICIAN (EMT)

Health/Medical Division (206) 527-3790

The Department of Social and Health Services specifies the Emergency Medical Technician (EMT) knowledge and skills required to qualify as an EMT. In addition, a number of policies have been adopted by the faculty and administration at North Seattle Community College to fulfill the needs of the program's graduates and employers and to maintain accreditation with the Office of Emergency Medical Services for King County and the State Office of Emergency Medical Services, Washington State Department of Health in Olympia.

Students need to contact the Health/Medical Division office to obtain specific requirements for enrollment in this course. A written entrance exam is required for enrollment.

AHE 190 Emergency Medical Technician (EMT) ..... 8

AHE 191 EMT Continuing Education ..... 2-5

*Allied Health programs are part of the Seattle Health Care Education Institute of the Seattle Community Colleges. For more information, see [www.seattlecolleges.com/healthcare](http://www.seattlecolleges.com/healthcare).*

ENGINEERING DESIGN TECHNOLOGY

Business, Engineering, and  
Information Technologies Division (206) 527-3730

The Engineering Design Technology certificate program includes a focus on the importance of a responsible and professional work ethic. Factors leading to such a work ethic are identified and discussed. Instruction is also provided in effective leadership and how it enhances the work environment. Input from this program's industrial advisory committee is essential to curriculum content pertaining to both the work ethic and leadership and the technically oriented curriculum.

Certificate

TECHNICAL SPECIALTY COURSES

DSN 151	Intro to Engineering Graphics I .....	11
DSN 152	Engineering Graphics for Mech. Design II .....	11
DSN 153	Statics & Strengths of Materials for Mechanical Design .....	11
DSN 274	Geometric Dimensioning & Tolerancing .....	4
DSN 163	Intro to AutoCAD for Mechanical Design .....	4
DSN 164	Intro to PRO/ENGINEER .....	4
	- OR -	
DSN 165	Intro to SolidWorks & Parametric Solid Modeling .....	4
DSN 261	Advanced AutoCAD for Mechanical Design ....	4
	- OR -	
DSN 281	AutoCAD for Mechanical Applications .....	4
DSN 251	Schematic Drafting & Basic PCB Design .....	10
	- OR -	

DSN 272 Mechanical Design Applications.....	11
- OR -	
DSN 271 Drafting & Design for Polymers & Other .....	4
Materials .....	4
-AND -	
DSN 275 Drafting & Design for Polymers & Other	
Materials Lab .....	7
RELATED INSTRUCTION	
BUS 236 Interpersonal Communications for the	
Workplace .....	3-5
BUS 169 Using Computers in Business I .....	5
- OR -	
IT 101 Microcomputer Applications .....	5
MAT 098 Intermediate Algebra .....	5
MAT 102 College Algebra .....	5
<hr/>	
TOTAL CREDITS	77-80

## ENGINEERING DESIGN TECHNOLOGY / MECHANICAL DESIGN SPECIALIZATION

Business, Engineering, and Information Technologies Division (206) 527-3730  
Program requirements and course offerings are revised periodically to reflect industry changes. New courses in parametric solid modeling using Pro-Engineer and SolidWorks software are being developed and offered. Contact the division office for the latest information.

This program provides training and a foundation in mechanical design for manufacturing-related industries. The curriculum covers study of materials for metal and plastics drafting and design, industrial design, principles of design layout, costing, manufacturing breakdown and scheduling. Math, communication skills, precision measurement and manufacturing fundamentals are also included. It is recommended that students planning to transfer to a four-year college also take MAT 122 and EGR 210 and 220.

### Certificate

#### TECHNICAL SPECIALTY COURSES

DSN 151 Intro to Engineering Graphics .....	11
DSN 152 Engineering Graphics for	
Mechanical Design .....	11
DSN 153 Statics & Strengths of Materials	
for Mechanical Design .....	11
DSN 163 Intro to AutoCAD for Mechanical Design .....	4
DSN 164 Intro to PRO/ENGINEER &	
Parametric Solid Modeling .....	4
- OR -	
DSN 165 Intro to SolidWorks & Parametric	
Solid Modeling .....	4

DSN 261 Advanced AutoCAD for Mechanical Design ....	4
DSN 272 Mechanical Design Applications.....	11
DSN 274 Geometric Dimensioning & Tolerancing.....	4
RELATED INSTRUCTION	
BUS 236 Interpersonal Communication in the	
Workplace .....	5
ENG 101 Applied Composition .....	5
MAT 102 College Algebra .....	5
GENERAL EDUCATION COURSES	
<i>Select 5 General Education requirement credits. Contact the Advising Center for a list of these categories and acceptable courses.</i>	

TOTAL CREDITS	78
---------------	----

### Associate of Applied Science Degree (A.A.S.)

*Program Prerequisites: ENG 097, MAT 098, IT 101 or BUS 169.*

#### TECHNICAL SPECIALTY COURSES

DSN 151 Intro to Engineering Graphics I .....	11
DSN 152 Engineering Graphics for Mech. Design II .....	11
DSN 153 Statics & Strengths of Materials	
for Mechanical Design .....	11
DSN 163 Intro to AutoCAD for Mechanical Design .....	4
DSN 261 Advanced AutoCAD for Mechanical Design ....	4
DSN 274 Geometric Dimensioning & Tolerancing.....	4
DSN 264 Advanced PRO / ENGINEER .....	4
- OR -	
DSN 266 Advanced SolidWorks & Parametric Solid	
Modeling .....	4
DSN 271 Drafting & Design for Polymers & Other	
Materials .....	11
DSN 272 Mechanical Design Applications.....	11
DSN 273 Mechanical Product Design Applications .....	7

#### RELATED INSTRUCTION

BUS 236 Interpersonal Communications for the	
Workplace .....	5
EGR 231 Technical Writing .....	3
MAT 102 College Algebra .....	5

#### GENERAL EDUCATION COURSES

*15 General Education requirement credits must be selected from specific General Education categories, including—5 credits from the Global Studies or US Cultures classes. Contact the Advising Center for a list of categories and acceptable courses.*

TOTAL CREDITS	113
---------------	-----

## HOSPITALITY/FOOD SERVICE/ CULINARY ARTS

Culinary Arts & Hospitality Division (206) 527-3779

Programs conducted by the Culinary Arts and Hospitality Division at North are designed to help students learn the skills needed for employment in a variety of hospitality industry careers. Under the direction of experienced industry professionals, the comprehensive program gives students the practical skills, knowledge and hands-on experience necessary for rapid advancement in an industry filled with opportunities for skilled workers.

The curriculum at North is flexible enough to provide training for a wide variety of people — both those without hospitality industry experience and those with an extensive background.

Certificate programs include Commercial Cooking, Dining Room Service, Restaurant Cooking and Restaurant Management. An Associate of Applied Science degree in culinary arts can be earned with the addition of business and General Education courses. Students may enter the program at the beginning of fall, winter or spring quarters.

A minimum 2.0 grade point average must be achieved in each Culinary Arts and Hospitality class. General Education requirements are to be selected from specific General Education categories. Contact the division office for acceptable courses.

Safety/sanitation/industrial hygiene is emphasized throughout the curriculum in lectures and actual demonstrations of safe laboratory techniques.

### Commercial Cooking

This program prepares graduates for employment as pantry workers and fast food and cafeteria counter workers. Training includes food preparation and cafeteria/fast food window service in the college cafeteria and kitchen. Work experience includes volume food preparation and cafeteria food merchandising. The program is a prerequisite for the restaurant cooking certificate program.

Certificate

#### TECHNICAL SPECIALTY COURSES

CUL 101 Intro to Professional Cooking: Theory .....	8
CUL 111 Intro to Professional Cooking: Practicum .....	3
HFS 152 Commercial Cooking I .....	6.5
HFS 153 Commercial Cooking II .....	5
HFS 182 Commercial Theory I .....	2
HFS 183 Commercial Theory II .....	2
HOS 110 Principles of Sanitation .....	3

TOTAL CREDITS 29.5

### Advanced Commercial Cooking

Certificate

Prepares students for positions in hospitals, long-term care facilities, catering and other volume operations.

Completion of Commercial Cooking Certificate .....	29.5
HFS 154 Commercial Cooking III .....	13
HFS 155 Commercial Food Service Extern. (Clinical) .....	2

TOTAL CREDITS 44.5

### Dining Room Service

This program emphasizes hands-on training and work experience in an integrated approach between classroom and actual experience. Work situations include dining room service, banquets, catering, cashiering, dining room management and menu study. This program is a prerequisite for the Restaurant Cooking certificate program.

Certificate

#### TECHNICAL SPECIALTY COURSES

CUL 101 Intro to Professional Cooking: Theory .....	8
HFS 162 Intro to Dining Service .....	6.5
HFS 163 Fine Dining Service I .....	2.5
HFS 164 Fine Dining Service II .....	2.5
HFS 165 Fine Dining Service III .....	2.5
HFS 192 Dining Room Theory I .....	2
HFS 193 Dining Room Theory II .....	2
HOS 110 Principles of Sanitation .....	3

TOTAL CREDITS 29

### Advanced Dining Room

Certificate

Completion of Dining Room Service Certificate .....	29
CWE 100 Coop-Education .....	2
HFS 166 Fine Dining Supervisor .....	2.5
HFS 167 Fine Dining Management .....	2.5

TOTAL CREDITS 36

### Restaurant Cooking

Graduates of this program are employed as commercial dinner cooks, such as broiler cooks, sauté cooks, lead cooks and sous chefs. The program may be completed in two quarters and includes extensive, practical experience cooking in a modern kitchen for North's full-service restaurant, banquets and some catering. Prereq: Commercial Cooking and Dining Room Service Certificate(s).

Certificate

TECHNICAL SPECIALTY COURSES

CUL 101 Intro to Professional Cooking: Theory .....	8
CUL 111 Intro to Professional Cooking: Practicum .....	3
HFS 152 Commercial Cooking I .....	6.5
HFS 153 Commercial Cooking II .....	5
HFS 162 Intro to Dining Service .....	6.5
HFS 163 Fine Dining Service I .....	2.5
HFS 164 Fine Dining Service II .....	2.5
HFS 165 Fine Dining Service III .....	2.5
HFS 173 Restaurant Cooking I .....	4.5
HFS 174 Restaurant Cooking II .....	10.5
HFS 175 Restaurant Cooking III .....	10.5
HFS 182 Commercial Theory I .....	2
HFS 183 Commercial Theory II .....	2
HFS 192 Dining Room Theory I .....	2
HFS 193 Dining Room Theory II .....	2
HFS 194 Restaurant Cooking Theory I .....	2.5
HFS 195 Restaurant Cooking Theory II .....	2.5
HOS 110 Principles of Sanitation .....	3
HOS 203 Commercial Food Nutrition .....	3

TOTAL CREDITS 81

*The following optional course provides an opportunity for students to specialize in a given cooking station(s) or to gain additional supervisory and work experience.*

HFS 147 Special Topics .....	4-24
------------------------------	------

Restaurant Management

This program is designed for those interested in restaurant management or enrolled in food service courses. The courses are designed to augment successful restaurant work experience and prepare students for entry-level supervisory or management positions.

Certificate

TECHNICAL SPECIALTY COURSES

ACC 110 Intro to Accounting/Bookkeeping I .....	5
BUS 101 Intro to Business .....	5
HOS 161 Principles of Restaurant Management .....	5
HOS 162 Food & Beverage Purchasing .....	5
HOS 163 Food & Beverage Cost Controls .....	5

TOTAL CREDITS 25

Culinary Arts

Associate of Applied Science Degree (A.A.S.)

Restaurant Cooking Certificate Requirements .....	83
BUS 112 Multicultural Issues in the American Workplace .....	5
- OR -	
BUS 235 Oral Communications in Business .....	5
BUS 116 Business Math/Spreadsheets .....	5
CWE 100 Co-op Ed Externship .....	2
ENG 104 Advanced English Grammar .....	5
HOS 161 Principles of Restaurant Management .....	5
HOS 162 Food & Beverage Purchasing .....	5
HOS 163 Food & Beverage Cost Control .....	5
PSY 220 Psychology of Human Relations .....	3

GENERAL EDUCATION ELECTIVES

*5 credits must be selected from specific General Education categories. Contact the Advising Center for a list of these categories and courses.*

TOTAL CREDITS 122-123

HVAC DESIGN

Business, Engineering, and Information Technologies Division (206) 527-3730

Students work in a laboratory equipped specifically for heating, air conditioning and refrigeration instruction. Training includes demonstrations, assorted tools and functional test devices. The program covers use of computers for engineering calculation. Core technical courses are supplemented with drafting, mathematics, physics and communication skills.

Graduates are prepared for employment as systems applications specialists, manufacturers' representatives, or engineering aides. The degree program provides employment in many entry-level positions in the industry.

Certificate

TECHNICAL SPECIALTY COURSES

DSN 109 Architectural Engineering Drafting Lab .....	3
DSN 111 Basic CAD Drafting for Construction & Design .....	5
DSN 112 Intermediate CAD Drafting for Construction & Design .....	5
DSN 113 Basic Drafting .....	5
DSN 134 Systems in Buildings .....	5
ECT 211 System Design & Application I .....	12
ECT 212 System Design & Application II .....	12
ECT 213 System Design & Application III .....	12



RELATED INSTRUCTION

BUS 169 Using Computers in Business I .....	5
- OR -	
IT 101 Microcomputer Applications .....	5
BUS 236 Interpersonal Communications for the Workplace * .....	3-5
EGR 231 Technical Writing .....	3
ENG 101 Composition .....	5
Math Elective** .....	5

---

TOTAL CREDITS	80-82
---------------	-------

Associate of Applied Science Degree (A.A.S.)

Completion of Certificate Requirements .....	82
CMN Course from AA Distribution List .....	5
Global Studies or US Cultures Designated Course .....	5
<i>* The 5-credit BUS 236 course is required for the degree.</i>	
<i>** Any college-level math class *- MAT 100 or greater. BUS 116 and EET 109 will also satisfy this math elective.</i>	

---

TOTAL CREDITS	92
---------------	----

### HVAC Design with Network Technology Administration

Certificate

TECHNICAL SPECIALTY COURSES

ECT 211 System Design & Application I .....	12
ECT 212 System Design & Application II .....	12
ECT 213 System Design & Application III .....	12
EET 131 IT Essentials - A+ Certification .....	5
IT 120 Network Essentials - Comptia Network + .....	5
IT 122 Network Operating Systems 1 - WIN2K Pro ..	5
IT 124 Network Operating Systems 2 - WIN2K Server .....	5
IT 126 Network Operating Systems 3 - WIN2K Net I Infrastructure .....	5
IT 134 Network Communications - TCP/IP .....	5
-OR-	
IT 138 Unix for System Administrators .....	5

RELATED INSTRUCTION

BUS 169 Using Computers in Business I .....	5
- OR -	
IT 101 Microcomputer Applications .....	5
BUS 236 Interpersonal Communications for the Workplace* .....	3-5
DSN 174 Intro to CAD for Architectural & Engineering Drafting .....	3
EGR 231 Technical Writing .....	3
Math Elective** .....	5

---

TOTAL CREDITS	90-92
---------------	-------

Associate of Applied Science Degree (A.A.S.)

Completion of Certificate Requirements .....	92
--	----

TECHNICAL SPECIALTY COURSES

CMN course from AA distribution list .....	5
Global Studies or US Cultures-designated course .....	5
<i>* The 5-credit BUS 236 course is required for the degree.</i>	
<i>** Any college-level math class - MAT 100 or greater. BUS 116 and EET 109 will also satisfy this math elective.</i>	

---

TOTAL CREDITS	100-102
---------------	---------

### INDUSTRIAL POWER & CONTROL TECHNOLOGY

Business, Engineering, and  
Information Technologies Division (206) 527-3730

The Industrial Power and Control Technology program offers both a two-year course of study leading to an Associate of Applied Science degree and a one-year course of study leading to a certificate. The program prepares students for immediate employment and future advancement in companies and organizations that manufacture, sell, service, design and support electrical and electronic systems that control machinery, automation and/or processes. Graduates work in areas such as industrial/maintenance electrician, technical sales specialist, field service technician, and substation operator apprentice.

The first year focuses on courses in the Electronics Technology program. Students learn DC fundamentals and circuit analysis, solid-state electronic devices and circuits, and analog and digital circuits. Other areas covered include math, chemistry, physics, computer programming, English and general studies.

The second year of the program includes some work from the Electronics Technology program and focuses on industrial power and control technologies. Subjects covered include AC fundamentals and circuits, fundamentals of fluid power and electromechanical systems, DC and AC rotating machinery, transformers, single-phase and three-phase circuits, motor control and programmable logic controllers (PLC's), electric drives, advanced digital and analog circuits, and microprocessor fundamentals. Students will also choose several modules that they wish to study from the list of Advanced Technical Modules in Industrial Power and Control including electronic power devices, transducers, field effect transistors, feedback control systems and other topics.

Certificate

TECHNICAL SPECIALTY COURSES

EEL 201 Industrial Transformers & Motor .....	5
EEL 202 Industrial Motor Controls .....	5
EEL 203 Industrial Motor Drives .....	5
EET 161 DC Principles of Electronics .....	5
EET 162 AC Principles of Electronics .....	5
EET 163 Solid State Electronics I.....	5
EET 170 Digital Circuits I .....	5

RELATED INSTRUCTION

CSC 110 Introduction to Computer Programming .....	5
MAT 102 College Algebra .....	5
General Education* .....	5

TOTAL CREDITS 50

*\*General Education requirements must be selected from specific general education categories. Contact the advising center for a list of these categories and acceptable courses.*

Associate of Applied Science Degree (A.A.S.)

TECHNICAL SPECIALTY COURSES

EEL 201 Industrial Transformers and Motors.....	5
EEL 202 Industrial Motor Controls .....	5
EEL 203 Industrial Motor Drives .....	5
EET 105 Intro to Technology .....	3
EET 107 Principles of Electronics .....	4
EET 108 Principles of Electronics Laboratory .....	4
EET 109 Mathematical Applications for Circuit Analysis* .....	5
EET 112 Fundamentals of Fluid Power & Electromechanical Systems .....	6
EET 114 Applied Physics** .....	5
EET 117 Electronic Devices .....	4
EET 118 Electronic Devices Lab .....	4
EET 127 Intro to Digital & Analog Circuits .....	4
EET 128 Intro to Digital & Analog Circuits - Lab .....	4
EET 131 IT Essentials - A+ Certification .....	5
EET 132 IT Essentials - A+ Certification .....	5
EET 207 Advanced Principles of Electronics .....	4
EET 208 Advanced Principles of Electronics - Lab .....	4
EET 217 Digital and Analog Circuits II .....	4
EET 218 Digital and Analog Circuits II - Lab .....	4
EET 251 Microprocessor Fundamentals I .....	5
EET 285 Electronics Technology Project .....	3
Technical Elective .....	5

*Note: Contact the Advising Center for a list of acceptable courses.*

RELATED INSTRUCTION

CSC 110 Intro to Computer Programming .....	5
BUS 236 Interpersonal Communication for the Workplace .....	5
ENG 101 Composition .....	5

GENERAL EDUCATION COURSES

*10 credits must be selected from specific General Education categories. Contact the Advising Center for a list of these categories and acceptable courses.*

*\*MAT 122 or any calculus course may be substituted for EET 109.*

*\*\*PHY 101, 102 may be substituted for EET 114.*

TOTAL CREDITS 117

INFORMATION TECHNOLOGY

Business, Engineering, and Information Technologies Division (206) 527-3730

This program prepares students for entry-level positions in the computer field. Graduates normally find jobs as business programmers, systems analysts, or computer operators.

In order to earn a Programming certificate, students must have completed 45 credits of non-technical General Education coursework. A two-year degree from an accredited college or university will satisfy this requirement.

*Program Prerequisites : IT 106 (3.0 or higher) and IT 111.*

Programming

Certificate

IT 115 Intro to Object-Oriented Programming .....	5
IT 125 Using Structured Query Language & SQL Server .....	5
IT 135 Unix Operating Systems .....	5
IT 172 Visual Basic I .....	5
IT 217 Web Services Using XML .....	5
IT 236 Database Management .....	5
IT 256 Object-Oriented Analysis & Design.....	5
IT 162 Java I* .....	5
IT 262 Java II .....	5

- OR -

IT 272 Visual Basic II .....	5
BUS 236 Interpersonal Communications for the Workplace .....	3
EGR 231 Technical Writing .....	3
IT 264 Computer Information Systems Lab** .....	2-3

*\* Students should take IT 162 if they plan to take IT 262 as their advanced level programming course.*

*\*\*Lab may be repeated each quarter.*

TOTAL CREDITS 53-54

### Associate of Applied Science Degree (A.A.S.)

This program prepares students for entry-level positions in the computer field and includes technical computer information system, business, and college transfer courses. Graduates normally find jobs as business programmers or systems analysts.

#### PROGRAM PREREQUISITES

*General: IT 101, IT 106 (3.0 or higher), and IT 111.*

*English: English Placement Test Score of ENG 098 or above.*

*Math: Math Placement Test Score of MAT 122 or above, or completion of MAT 098.*

#### TECHNICAL SPECIALTY COURSES

IT	115	Introduction to Object-Oriented Programming .....	5
IT	125	Using Structured Query Language and SQL Server .....	5
IT	135	Unix Operating Systems .....	5
IT	162	Java 1* .....	5
IT	172	Visual Basic I .....	5
IT	217	Web Services Using XML .....	5
IT	236	Database Management .....	5
IT	256	Object-Oriented Analysis & Design .....	5
IT	262	Java II .....	5

- OR -

IT	272	Visual Basic II .....	5
IT	264	Computer Information Systems Lab** .....	2-3
		Elective .....	5

*\* Students should take IT162 if they plan to take IT 262 as their advanced level programming course.*

*\*\*Lab may be repeated each quarter.*

#### RELATED INSTRUCTION

ACC	210	Financial Accounting Fundamentals I .....	5
BUS	101	Intro to Business .....	5
MAT	109	Elementary Statistics .....	5

- OR -

BUS	210	Business and Economic Statistics .....	5
BUS	230	Business Communications* .....	5
BUS	236	Interpersonal Communications for the Workplace .....	3

EGR	231	Technical Writing .....	3
-----	-----	-------------------------	---

MAT	102	College Algebra** .....	5
-----	-----	-------------------------	---

*\*BUS 131 is a required prerequisite for BUS 230.*

*\*\* Any calculus class may be substituted for MAT 102.*

General Education Courses .....	10
---------------------------------	----

*Select 5 credits from approved General Education course list  
Select 5 credits from U.S. Cultures or Global Studies course list and five from the remaining areas.*

*Contact the Advising Center for a list of these categories and acceptable courses.*

TOTAL CREDITS

93-94

### Network Administration

Network Administration is a full-time program to be completed in four academic quarters for the certificate, and six (6) academic quarters for the degree. Network Technology programs begin with IT 190 – Introduction to Computer Organization and Architecture with DOS. Students with any of the following classes/certifications may transfer into the Network Administration Program.

#### PROGRAM PREREQUISITES

##### TECHNOLOGY:

*IT 101 Microcomputer Applications (or placement test) (5 cr)*

*- or -*

*BUS 169 Using Computers in Business (5 cr)*

*EET 131 IT Essentials Part I - A+ Certification (5 cr); IT 120 Network Essentials - CompTIA Network+ (5 cr)*

*- or -*

*IT 142 Network Management-Cisco I (5 cr)*

##### COMMUNICATION:

*ENG 101 prerequisite waived for network students;*

*ENGLISH: Placement test in ENG 101 or equivalent.*

*MATH: Placement test in MAT 098 or equivalent*

*Contact the Advising Center, 527-3658, or the Testing Center, 527-3674 for details.*

### Certificate

#### TECHNICAL SPECIALTY COURSES

IT	122	Network OS 1 – Win2K Professional .....	5
IT	124	Network OS 2 – Win2K Server .....	5
IT	126	Network OS 3 – Network Infrastructure .....	5
IT	128	Network OS 4 – Win2K Active Directory .....	5
IT	134	Network Communications – TCP/IP .....	5
IT	138	UNIX for Network Administration .....	5
IT	140	Network Management – Unix Shell Scripts .....	5
IT	156	Designing a Secure Network for a Win2K Network .....	5
IT	228	SQL Server* .....	5

*\*NOTE: NET 224 and NET 228 will be offered in alternate quarters.*

#### RELATED INSTRUCTION

BUS	236	Interpersonal Communications for the Workplace* .....	3-5
EGR	231	Technical Writing .....	3
		Math Elective** .....	5
		General Education*** .....	5

*\* The 5-credit BUS 236 must be taken for the degree; either the 3- or 5-credit course will satisfy the certificate requirements.*

*\*\* Any college-level math class: MAT 100 or greater. BUS 116 and EET 109 will also satisfy this math elective.*

*\*\*\* Not needed for the certificate.*

TOTAL CREDITS

56-58

Associate of Applied Science Degree (A.A.S.)  
Completion of Certificate Requirements ..... 68-73

TECHNICAL SPECIALTY COURSES

- IT 134 Network Communications - TCP/IP ..... 5
- IT 150 Network Security Fundamentals ..... 5
- IT 151 Network Defense ..... 5
- IT 158 Unix/Linux Security Concepts ..... 5
- IT 224 Exchange Server ..... 5

GENERAL EDUCATION COURSES

*Select 15 credits from a list of approved General Education courses, including 5 credits from US Cultures/Global Studies and 5 credits from one Communications course (BUS 131, BUS 230, DRA 121 or ENG 101). Contact the division office for a list of approved courses.*

---

TOTAL CREDITS 93-98

Web Development

The Web Development certificate program prepares students for entry-level positions in Web development. Graduates normally find jobs developing and maintaining websites for a wide range of organizations.

In order to earn a Web Development certificate, students must have completed 45 credits of non-technical General Education coursework. A two-year or four-year degree from an accredited college or university will satisfy this requirement.

PROGRAM PREREQUISITES

*GENERAL: IT 101, 106 (3.0 or higher), and 111.*

Certificate

TECHNICAL SPECIALTY COURSES

- IT 115 Intro to Object-Oriented Programming ..... 5
- IT 125 Using Structured Query Language and SQL Server ..... 5
- IT 135 UNIX Operating System ..... 5
- EGR 231 Technical Writing ..... 3
- IT 162 Java I ..... 5
- OR-
- IT 172 Visual Basic I ..... 5
- IT 168 Graphics for the Web ..... 5
- IT 211 DHTML and Java Script for Web Development ..... 5
- IT 212 Web Server Programming Using Databases .... 5
- IT 213 Advanced Web Development ..... 5
- IT 217 Web Services Using XML ..... 5
- OR-
- IT 262 Java II ..... 5
- IT 264 Computer Info Systems Lab ..... 1-3

---

TOTAL CREDITS 49-51

Associate of Applied Science Degree (A.A.S.)

This program prepares students for entry-level positions in Web development. The degree includes technical and supporting courses in computer information systems and Web design, as well as training in the business relations skills needed to function effectively as a Web developer. Graduates normally find jobs developing and maintaining Web sites for a wide range of organizations.

PROGRAM PREREQUISITES

*GENERAL: IT 101, IT 106 (3.0 or higher), and IT 111.  
ENGLISH: Eligibility for ENG 093/094 is recommended.  
MATH: Math Placement Test Score of MAT 122 or above, or completion of MAT 098.*

TECHNICAL SPECIALTY COURSES

- IT 115 Intro to Object Oriented Programming ..... 5
- IT 125 Using Structured Query Language and SQL Server ..... 5
- IT 135 UNIX Operating System ..... 5
- IT 162 Java I ..... 5
- OR-
- IT 172 Visual Basic I ..... 5
- IT 168 Graphics for the Web ..... 5
- IT 211 DHTML and Java Script for Web Development ..... 5
- IT 212 Web Server Programming Using Databases .... 5
- IT 213 Advanced Web Development ..... 5
- IT 217 Web Services Using XML ..... 5
- IT 262 Java II ..... 5
- OR-
- IT 264 Computer Info Systems Lab ..... 1-3
- IT Elective ..... 5

RELATED INSTRUCTION

- BUS 101 Intro to Business ..... 5
- BUS 240 Internet Law ..... 5
- EGR 231 Technical Writing ..... 3
- IT 140 Network Management - UNIX Shell Scripts .... 5
- IT 236 Database Management ..... 5
- MAT 102 College Algebra ..... 5
- IT Elective ..... 5
- General Education Courses ..... 10

*Remaining credits must be selected from the list of General Education courses. 5 credits must be from Global Studies, and the other 5 from any field except Global Studies.*

---

TOTAL CREDITS 90-93

**ITELECTIVES**

ART 210 Computer Art ..... 5  
 BUS 236 Interpersonal Communication for the  
 Workplace ..... 5  
 IT 122 Network OS 1 – Win2K Professional ..... 6  
 IT 125 Using Structured Query Language  
 & SQL Server ..... 5  
 IT 217 Web Services Using XML ..... 5  
 IT 256 Object-Oriented Analysis & Design ..... 5  
 IT 262 Java II ..... 5  
 IT 272 Visual Basic II ..... 5  
 IT 290 Independent or Internship Studies ..... 2-5  
 IT 298 Special Topics ..... 2-5  
 CWE 100 Co-op Education: Work Experience ..... 2-5

**MEDICAL ASSISTING**

Health/Medical Division (206)527-3790

North’s Medical Assisting program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), on recommendation of the Curriculum Review Board of the American Association of Medical Assistants’ Endowment (AAMAE). Graduates of this program are also eligible for the Washington State Health Care Assistant (HCA) certificate at levels A, C and E, obtainable through an employer. State certification does NOT constitute a “certified” medical assistant. The CMA credential is obtained through a national exam (see the program advisor for details).

This is an open-entry/open-exit, self-paced, variable-length program. It combines traditional instruction with computer- and text-assisted and individualized learning appropriate to student needs. Students must practice hands-on procedures, take exams and complete competency check-offs in the classroom with an instructor. Instructors, classrooms and equipment will be available during scheduled hours. Students are encouraged to establish a regular schedule each quarter to foster successful completion of as much work as possible at the college where assistance is available.

Instruction in additional areas that are vital in the medical field is provided. Some examples are safety, hygiene, communication, computation, human relations, professionalism, work habits and job search skills. Students will have additional expenses other than the fees charged by the college. A separate list is available at the division office or from an advisor.

*The Medical Assisting program is part of the Seattle Health Care Education Institute of the Seattle Community Colleges. For more information, see [www.seattlecolleges.com/healthcare](http://www.seattlecolleges.com/healthcare).*

Certificate

**TECHNICALSPECIALTYCOURSES**

AMA 100 Intro to Healthcare ..... 1  
 AMA 101 Communications in Healthcare ..... 3  
 AMA 102 Legal Concepts ..... 1  
 AMA 103 Ethical Concepts ..... 1  
 AMA 104 Office Emergencies ..... 1  
 AMA 105 Asepsis & Infection Control ..... 1  
 AMA 106 Patient History, Documentation  
 & Physical Exam ..... 1  
 AMA 107 Vital Signs & Measurements ..... 1  
 AMA 108 Nutrition Basics ..... 1  
 AMA 109 Pharmacology ..... 1  
 AMA 110 Intro to lab Safety ..... 1  
 AMA 112 Credentials & Employment ..... 1  
 AMA 115 HIV/AIDS ..... 1  
 AMA 120 Front Office Basics ..... 1  
 AMA 121 Patient Scheduling ..... 1  
 AMA 122 Medical Records & Correspondence ..... 1  
 AMA 123 Daily Financial Management ..... 1  
 AMA 124 Intro to Medical Transcription ..... 1  
 AMA 125 Intro to Medical Insurance & Coding ..... 1  
 AMA 170 AP/Terminology/Pathology 1 – Intro ..... 1  
 AMA 171 AP/Terminology/Pathology 2 –  
 Skin and Senses ..... 1  
 AMA 172 AP/Terminology/Pathology 3 –  
 Digestive System ..... 1  
 AMA 173 AP/Terminology/Pathology 4 –  
 Male Reproductive and Urinary Systems ..... 1  
 AMA 174 AP/Terminology/Pathology 5 –  
 Female Reproductive System ..... 1  
 AMA 175 AP/Terminology/Pathology 6 –  
 Nervous System ..... 1  
 AMA 176 AP/Terminology/Pathology 7 –  
 Endocrine System ..... 1  
 AMA 177 AP/Terminology/Pathology 8 –  
 Musculoskeletal System ..... 1  
 AMA 178 AP/Terminology/Pathology 9 –  
 Cardiovascular System ..... 1  
 AMA 179 AP/Terminology/Pathology 10 –  
 Respiratory System ..... 1  
 AMA 180 AP/Terminology/Pathology 11 –  
 Blood and Lymph System ..... 1  
 AMA 181 AP/Terminology/Pathology 12 –  
 Specialty Topics ..... 1  
 AMA 226 Medical Insurance Coding 1 ..... 1  
 AMA 227 Medical Insurance Billing ..... 1  
 AMA 228 Basic Accounting and Bookkeeping ..... 1  
 AMA 230 Medical Office Management ..... 1  
 AMA 240 GYN/Pediatrics ..... 1  
 AMA 241 Male Reproductive/Gerontology ..... 1  
 AMA 242 Exams by Body Systems ..... 2

AMA 243 Rehabilitation .....	1
AMA 244 Intro to Imaging .....	1
AMA 245 Minor Surgery .....	2
AMA 250 Medication Calculations & Administration .....	2
AMA 251 EKG .....	1
AMA 252 Phlebotomy .....	2
AMA 253 Hematology .....	1
AMA 254 Urinalysis .....	1
AMA 255 Basic Microbiology .....	1
AMA 256 Specialty Lab Tests .....	1
AMA 290 Medical Assisting Externship .....	7
RELATED INSTRUCTION	
BUS 140 Customer Relations .....	5
- OR -	
BUS 236 Interpersonal Communications for the Workplace .....	3-5
<hr/>	
TOTAL CREDITS	64-66

### Clinical Lab Assisting

This program is an option of the Medical Assisting program and is intended to prepare the student for entry-level positions in a clinical laboratory such as phlebotomist or clinical lab assistant. Students study such topics as basic anatomy and physiology along with medical terminology and pathology, lab safety, regulations/legal requirements, specimen collection and preparation, phlebotomy, performing various 'CLIA-waived' tests and 7 hours of HIV/AIDS. Students gain hands-on experience in phlebotomy and lab testing by performing procedures in the classroom.

This is an open-entry/open-exit, self-paced, variable-length program. It combines traditional instruction with computer and text-assisted and individualized learning appropriate to student needs. Students must practice hands-on procedures, take exams and complete competency check-offs in the classroom with an instructor. Instructors, classrooms and equipment will be available during scheduled hours. Students are encouraged to establish a regular schedule each quarter to foster successful completion of as much work as possible at the college where assistance is available.

Instruction in additional areas that are vital in the medical field is provided. Some examples are safety, hygiene, communication, computation, human relations, professionalism, work habits and job search skills. Students will have additional expenses other than the fees charged by the college. A separate list is available at the division office or from an advisor.

*Clinical Lab Assisting is part of the Seattle Health Care Education Institute of the Seattle Community Colleges. For more information, see [www.seattlecolleges.com/healthcare](http://www.seattlecolleges.com/healthcare).*

Certificate

### TECHNICAL SPECIALTY COURSES

AHM 140 Phlebotomy 2 .....	1
AHM 141 Lab Equipment & Measurements .....	1
AHM 142 Non-Blood Specimen Collection .....	1
AMA 100 Intro to Healthcare .....	1
AMA 101 Communications in Healthcare .....	3
AMA 102 Legal Concepts .....	1
AMA 103 Ethical Concepts .....	1
AMA 104 Office Emergencies .....	1
AMA 105 Asepsis & Infection Control .....	1
AMA 106 Patient History, Documentation & Physical Exam .....	1
AMA 107 Vital Signs & Measurements .....	1
AMA 110 Intro to lab Safety .....	1
AMA 112 Credentials & Employment .....	1
AMA 115 HIV/AIDS .....	1
AMA 120 Front Office Basics .....	1
AMA 121 Patient Scheduling .....	1
AMA 122 Medical Records & Correspondence .....	1
AMA 125 Intro to Medical Insurance and Coding .....	1
AMA 170 AP/Terminology/Pathology 1 - Intro. ....	1
AMA 171 AP/Terminology/Pathology 2 - Skin and Senses .....	1
AMA 172 AP/Terminology/Pathology 3 - Digestive System .....	1
AMA 173 AP/Terminology/Pathology 4 - Male Reproductive & Urinary Systems .....	1
AMA 174 AP/Terminology/Pathology 5 - Female Reproductive System .....	1
AMA 175 AP/Terminology/Pathology 6 - Nervous System .....	1
AMA 176 AP/Terminology/Pathology 7 - Endocrine System .....	1
AMA 177 AP/Terminology/Pathology 8 - Musculoskeletal System .....	1
AMA 178 AP/Terminology/Pathology 9 - Cardiovascular System .....	1
AMA 179 AP/Terminology/Pathology 10 - Respiratory System .....	1
AMA 180 AP/Terminology/Pathology 11 - Blood & Lymph System .....	1
AMA 181 AP/Terminology/Pathology 12 - Specialty Topics .....	1
AMA 252 Phlebotomy .....	2
AMA 253 Hematology .....	1
AMA 254 Urinalysis .....	1
AMA 255 Basic Microbiology .....	1
AMA 256 Specialty Lab Tests .....	1

RELATED INSTRUCTION

BUS 140	Customer Relations .....	5
- OR -		
BUS 236	Interpersonal Communications for the Workplace .....	3-5

TOTAL CREDITS 41-43

Medical Transcription

This program is an option of the Medical Assisting program and is intended to provide more in-depth training in transcription for current medical professionals who want to enhance their qualifications. Students with no medical training may complete the program and acquire entry-level medical transcription skills. Students will study basic anatomy and physiology, medical terminology and common pathology, as well as communication skills.

This is an open-entry/open-exit, self-paced, variable-length program. It combines traditional instruction with computer and text-assisted and individualized learning appropriate to student needs. Students must practice hands-on procedures, take exams and complete competency check-offs in the classroom with an instructor. Instructors, classrooms and equipment will be available during scheduled hours. Students are encouraged to establish a regular schedule each quarter to foster successful completion of as much work as possible at the college where assistance is available.

Instruction in additional areas that are vital in the medical field is provided. Some examples are safety, hygiene, communication, computation, human relations, professionalism, work habits and job search skills. Students will expenses in addition to the fees charged by the college. A separate list is available at the division office or from an advisor.

*Medical Transcription is part of the Seattle Health Care Education Institute of the Seattle Community Colleges. For more information, see [www.seattlecolleges.com/healthcare](http://www.seattlecolleges.com/healthcare).*

Certificate

TECHNICAL SPECIALTY COURSES

AHM 160	Proofreading & Editing .....	1
AHM 161	Medical Transcription Practice 1 .....	1
AHM 162	Medical Transcription Practice 2 .....	1
AHM 163	Medical Transcription Practice 3 .....	1
AMA 100	Intro to Healthcare .....	1
AMA 101	Communications in Healthcare .....	3
AMA 102	Legal Concepts .....	1
AMA 103	Ethical Concepts .....	1
AMA 106	Patient History, Documentation & Physical Exam .....	1
AMA 112	Credentials & Employment .....	1
AMA 115	HIV/AIDS .....	1
AMA 120	Front Office Basics .....	1

AMA 122	Medical Records & Correspondence .....	1
AMA 124	Intro to Medical Transcription .....	1
AMA 170	AP/Terminology/Pathology 1 - Introduction .....	1
AMA 171	AP/Terminology/Pathology 2 - Skin & Senses .....	1
AMA 172	AP/Terminology/Pathology 3 - Digestive System .....	1
AMA 173	AP/Terminology/Pathology 4 - Male Reproductive & Urinary Systems .....	1
AMA 174	AP/Terminology/Pathology 5 - Female Reproductive System .....	1
AMA 175	AP/Terminology/Pathology 6 - Nervous System .....	1
AMA 176	AP/Terminology/Pathology 7 - Endocrine System .....	1
AMA 177	AP/Terminology/Pathology 8 - Musculoskeletal System .....	1
AMA 178	AP/Terminology/Pathology 9 - Cardiovascular System .....	1
AMA 179	AP/Terminology/Pathology 10 - Respiratory System .....	1
AMA 180	AP/Terminology/Pathology 11 - Blood & Lymph System .....	1
AMA 181	AP/Terminology/Pathology 12 - Specialty Topics .....	1

RELATED INSTRUCTION

BUS 140	Customer Relations .....	5
- OR -		
BUS 236	Interpersonal Communications for the Workplace .....	3-5

TOTAL CREDITS 31-33

Medical Office Administration

This program is an option of the Medical Assisting program and is intended to prepare the student for work in the administrative/clerical area in the ambulatory care setting. Students learn administrative skills from basic clerical to more advanced management. Anatomy and physiology, terminology and pathology are also studied to enhance the depth of understanding of the entire operation of the clinic/office. This program does not include hands-on patient care tasks or procedures.

This is an open-entry/open-exit, self-paced, variable-length program. It combines traditional instruction with computer- and text-assisted and individualized learning appropriate to student needs. Students must practice hands-on procedures, take exams and complete competency check-offs in the classroom with an instructor. Instructors, classrooms and equipment will be available during scheduled hours. Students are encouraged to establish a regular schedule each quarter to foster successful completion of as much work as possible at the college where assistance is available.

Instruction in additional areas that are vital in the medical

field is provided. Some examples are safety, hygiene, communication, computation, human relations, professionalism, work habits and job search skills. Students will have expenses in addition to fees charged by the college. A separate list is available at the division office or from an advisor.

*Medical Office Administration is part of the Seattle Health Care Education Institute of the Seattle Community Colleges. For more information, see [www.seattlecolleges.com/healthcare](http://www.seattlecolleges.com/healthcare).*

Certificate

TECHNICAL SPECIALTY COURSES

AMA 100 Intro to Healthcare .....	1
AMA 101 Communications in Healthcare .....	3
AMA 102 Legal Concepts.....	1
AMA 103 Ethical Concepts .....	1
AMA 104 Office Emergencies.....	1
AMA 106 Patient History, Documentation & Physical Exam.....	1
AMA 112 Credentials & Employment .....	1
AMA 115 HIV/AIDS .....	1
AMA 120 Front Office Basics .....	1
AMA 121 Patient Scheduling .....	1
AMA 122 Medical Records & Correspondence.....	1
AMA 123 Daily Financial Management .....	1
AMA 124 Intro to Medical Transcription .....	1
AMA 125 Intro to Medical Insurance & Coding .....	1
AMA 170 AP/Terminology/Pathology 1 – Introduction .....	1
AMA 171 AP/Terminology/Pathology 2 – Skin & Senses .....	1
AMA 172 AP/Terminology/Pathology 3 – Digestive System .....	1
AMA 173 AP/Terminology/Pathology 4 – Male Reproductive & Urinary Systems.....	1
AMA 174 AP/Terminology/Pathology 5 – Female Reproductive System.....	1
AMA 175 AP/Terminology/Pathology 6 – Nervous System .....	1
AMA 176 AP/Terminology/Pathology 7 – Endocrine System.....	1
AMA 177 AP/Terminology/Pathology 8 – Musculoskeletal System.....	1
AMA 178 AP/Terminology/Pathology 9 – Cardiovascular System .....	1
AMA 179 AP/Terminology/Pathology 10 – Respiratory System.....	1
AMA 180 AP/Terminology/Pathology 11 – Blood & Lymph System .....	1
AMA 181 AP/Terminology/Pathology 12 – Specialty Topics .....	1
AMA 226 Medical Insurance Coding 1.....	1
AMA 227 Medical Insurance Billing .....	1
AMA 228 Basic Accounting & Bookkeeping.....	1
AMA 230 Medical Office Management .....	1

RELATED INSTRUCTION

BUS 140 Customer Relations .....	5
- OR -	
BUS 236 Interpersonal Communications for the Workplace .....	3-5
<hr/>	
TOTAL CREDITS	33-35

Basic Medical Reception

This program is an option of the Medical Assisting program and is intended to prepare the student to enter the medical field in entry-level positions such as a front desk person, receptionist, or file clerk. This program allows the student to return and complete additional courses to obtain additional certificates without repeating courses already taken within a specific period.

This is an open-entry/open-exit, self-paced, variable-length program. It combines traditional instruction with computer- and text-assisted and individualized learning appropriate to student needs. Students must practice hands-on procedures, take exams and complete competency check-offs in the classroom with an instructor. Instructors, classrooms and equipment will be available during scheduled hours. Students are encouraged to establish a regular schedule each quarter to foster successful completion of as much work as possible at the college where assistance is available.

Instruction in additional areas that are vital in the medical field is provided. Some examples are safety, hygiene, communication, computation, human relations, professionalism, work habits and job search skills. Students will have additional expenses other than the fees charged by the college. A separate list is available at the division office or from an advisor. Program Pre-requisite: Completion of Medical Terminology.

*Basic Medical Reception is part of the Seattle Health Care Education Institute of the Seattle Community Colleges. For more information, see [www.seattlecolleges.com/healthcare](http://www.seattlecolleges.com/healthcare).*

Certificate

TECHNICAL SPECIALTY COURSES

AMA 100 Intro to Healthcare .....	1
AMA 101 Communications in Healthcare .....	3
AMA 102 Legal Concepts.....	1
AMA 103 Ethical Concepts .....	1
AMA 104 Office Emergencies.....	1
AMA 106 Patient History, Documentation & Physical Exam.....	1
AMA 112 Credentials & Employment .....	1
AMA 115 HIV/AIDS .....	1
AMA 120 Front Office Basics .....	1
AMA 121 Patient Scheduling .....	1



AMA 122 Medical Records & Correspondence .....	1
AMA 125 Intro to Medical Insurance & Coding .....	1
RELATED INSTRUCTION	
BUS 140 Customer Relations .....	5
- OR -	
BUS 236 Interpersonal Communications for the Workplace .....	3-5
<b>TOTAL CREDITS</b>	<b>17-19</b>

## NURSING, PRACTICAL

Health/Medical Division (206) 527-3790

Candidates for the Practical Nursing certificate must meet specific course requirements established by the Washington State Board for Practical Nurse Examiners. The four-quarter program prepares graduates for practical nursing careers in acute care, long-term care and out patient services.

The first quarter is devoted to classroom and laboratory studies emphasizing nursing skills, general medical knowledge and behavior. The remaining program includes extensive clinical experience in health care agencies.

New daytime classes begin in fall and spring quarters. Contact the Health/Medical division office for entry requirements and information on approval procedures and schedules. Attendance at an orientation/advising session is required prior to enrollment.

Applicants are advised to contact the Health/Medical division for current program and course information, including program entry approval requirements.

*The Practical Nursing program is part of the Seattle Health Care Education Institute of the Seattle Community Colleges. For more information, see [www.seattlecolleges.com/healthcare](http://www.seattlecolleges.com/healthcare).*

### PROGRAM PREREQUISITES

AHI 100 Intro to Medical Vocabulary .....	3
ANP 213 Human Anatomy & Physiology I .....	5
ANP 214 Human Anatomy & Physiology II .....	5
ENG 101 Composition .....	5
MAT 100 Math for Health Careers .....	3
NTR 150 Nutrition .....	5
PSY 160 Psycho-Physical Development – Life Span .....	5
<b>TOTAL PREREQUISITES</b>	<b>26</b>

Certificate

### TECHNICAL SPECIALTY COURSES

NUR 116 Nursing Fundamentals .....	6
NUR 117 Nursing Fundamentals – Lab & Clinical Practice .....	3
NUR 118 Clinical Nursing Skills I .....	1-2

NUR 119 Clinical Nursing Skills II .....	1-2
NUR 125 Community Resources .....	2
NUR 126 Legal Aspects/Career Opportunities .....	2
NUR 127 Medical/Surgical Nursing – Child/Adult I* .....	5-6
NUR 128 Medical/Surgical Nursing – Child/Adult II* .....	7-8
NUR 130 Critical Thinking in Nursing Practice .....	3
NUR 131 Clinical Nursing Practice I .....	4.5
NUR 132 Nursing Process I .....	2
NUR 133 Maternal/Newborn Theory .....	3
NUR 134 Maternal/Newborn Clinical .....	2
NUR 138 Pediatric Nursing .....	2
NUR 139 Senior Experience .....	1
NUR 141 Clinical Nursing Practice II .....	4.5
NUR 142 Nursing Process II .....	2
NUR 151 Basic Pharmacology I & Pharmacy Calcs. ....	3
NUR 152 Pharmacology II .....	3
NUR 153 Administration of Medications .....	1
NUR 154 Intravenous Therapy Skills .....	2
* NUR 127 & 128 taken for combination of 13 credits.	

**TOTAL CREDITS** 62

### LPN-to-RN

North Seattle Community College's LPN-to-RN Ladder program provides an option for LPNs with at least 6 months' working experience to complete coursework for a 3-quarter part-time RN program that will make them eligible to take the Registered Nurse (RN) state boards.

Successful completion of the program earns an Associate Degree of Nursing. Students must first successfully complete an LPN certificate program. In the second year, they complete RN coursework in the LPN-to-RN program and are eligible to take RN state boards.

*The LPN-to-RN program is part of the Seattle Health Care Education Institute of the Seattle Community Colleges. For more information, see [www.seattlecolleges.com/healthcare](http://www.seattlecolleges.com/healthcare).*

### PROGRAM PREREQUISITES

ANP 213 Human Anatomy and Physiology I .....	5
ANP 214 Human Anatomy and Physiology II .....	5
BIO 280 Microbiology .....	5
ENG 101 Composition .....	5
NTR 150 Nutrition .....	5
PSY 110 General Psychology .....	5
PSY 160 Psycho-Physical Development – The Life Span .....	5
US Cultures or Global Studies* .....	5
* Students may choose from options included in either category	

**TOTAL PREREQUISITES** 40

Certificate

TECHNICAL SPECIALTY COURSES

NUR 221 Health Promotion/Wellness Maintenance .....	2
NUR 222 Nursing Process III .....	1.5
NUR 223 Advanced Nursing Skills III .....	1
NUR 224 Foundations of Education I .....	1.5
NUR 225 Psych/Soc. Nursing-Child/Adult III .....	2
NUR 226 Care Management and Leadership .....	2
NUR 227 Med/Surgical Nursing-Child Adult III .....	3
NUR 228 Clinical Nursing Practice III .....	3
NUR 231 Clinical Nursing Practice IV .....	3
NUR 232 Nursing Process IV .....	1.5
NUR 233 Advanced Nursing Skills IV .....	1
NUR 234 Foundations of Education II .....	2
NUR 235 Legal Aspects/Care Systems .....	1.5
NUR 237 Med/Surg Nursing/Child/Adult IV .....	2.5
NUR 238 Selective Services/Obstetrics .....	1
NUR 239 Senior Experience 94/8 hour shifts) .....	1.5

*NOTE: To complete the program, a 2.0 grade or better is required in all nursing and prerequisite courses.*

TOTAL CREDITS 90

PARENT EDUCATION

Child & Family Education Division (206) 527-3783  
North Seattle Community College offers parent education programs with classes held on- and off-campus during fall, winter and spring quarters. In addition, parents may utilize online classes that are offered every quarter.

Parents who enroll in the "Parent Education Child Study Laboratory" participate once a week with their child in a parent-operated cooperative preschool, pre-3, toddler or infant education program.

Enrolled parents also attend parenting classes and learn decision-making and group management skills as officers or committee members in the cooperative.

The program gives parents the opportunity to:

- study child development and behavior.
- learn new ways to interact with children.
- share ideas and experiences with other adults.
- share in their child's early development and group experiences.

PHARMACY TECHNICIAN

Health/Medical Division (206) 527-3790

Pharmacy technicians support pharmacists, who are legally responsible for all prescription orders and drug dispensing. The program emphasizes knowledge and skills associated with the varied responsibilities of the pharmacy technician. Graduates of the program are employed in hospitals, home infusion, long-term care, independent and chain community pharmacies, outpatient clinics, insurance carriers, and pharmacy software companies. Employment opportunities have remained strong in this health service occupation since its inception in 1975.

Applicants should contact the Health/Medical division office regarding enrollment and current information about the program. The program begins in fall and spring quarters.

*Pharmacy Technician is part of the Seattle Health Care Education Institute of the Seattle Community Colleges. For more information, see [www.seattlecolleges.com/healthcare](http://www.seattlecolleges.com/healthcare).*

Certificate

TECHNICAL SPECIALTY COURSES

AHI 100 Intro to Medical Vocabulary .....	3
PHA 112 Pharmacy Law .....	2
PHA 115 Orientation to Pharmacy Practice .....	2
PHA 120 Pharmacy Calculations .....	3
PHA 130 Over-the-Counter Drugs .....	2
PHA 140 Sterile Products & Aseptic Technique I .....	2
PHA 141 Sterile Products & Aseptic Technique II .....	2
PHA 145 Pharmacy Ethics .....	1
PHA 150 Pharmacology I .....	3
PHA 151 Pharmacology II .....	3
PHA 155 Special Topics .....	4
PHA 160 Pharmacy Technology I .....	3
PHA 161 Pharmacy Technology II .....	2
PHA 170 Pharmacy Records Management .....	4
PHA 190 Pharmacy Technician Externship .....	13

TOTAL CREDITS 49

RADIOLOGIC IMAGING TECHNOLOGY

Health/Medical Division (206) 527-3790

*Note: This program is offered through an agreement between North Seattle Community College and Bellingham Technical College. Please call the Health/Medical Division office for more information.*

*Radiologic Imaging Technology is part of the Seattle Health Care Education Institute of the Seattle Community Colleges. For more information, see [www.seattlecolleges.com/healthcare](http://www.seattlecolleges.com/healthcare).*

## REAL ESTATE

Business, Engineering, and Information Technologies Division (206) 527-3730  
North Seattle Community Colleges offers classes leading to certification in the following Real Estate designations:

- General Appraisal
- Residential Appraisal
- Brokerage
- Escrow
- Investment & Commercial Sales
- Loan Officer
- Loan Processor
- Property Management
- Sales
- Title & Escrow Officer
- Washington State & NSCC Certification

### Washington State and North Seattle CC Real Estate

This certificate program gives a strong basic background in real estate. The completion of six real estate courses entitles the student to a certificate in real estate issued by the Washington Department of Licensing and by North Seattle Community College.

#### Certificate

##### TECHNICAL SPECIALTY COURSES

RES 100 Real Estate Fundamentals*	5
RES 165 Real Estate Loan Officer	3
-OR-	
RES 166 Real Estate Loan Processing	4
-OR-	
RES 260 Real Estate Finance – Commercial	3
RES 170 Real Estate Law	3
RES 180 Principles of Real Estate Appraisal	3
RES Elective**	3

TOTAL CREDITS 17-18

\* For RES 100, students will be required to perform five additional hours of work outside the classroom to meet the Washington Department of Licensing requirements of 60 clock hours.

\*\* Choose any course with the RES prefix.

### Real Estate General Appraisal

#### Certificate

##### TECHNICAL SPECIALTY COURSES

RES 125 Real Estate Math*	2.0
BUS 169 Using Computers in Business	5
-OR-	

IT 101 Microcomputer Applications	5
RES 170 Real Estate Law	3.0
RES 180 Principles of Real Estate Appraisal	3
RES 181 Standards of Professional Practice in Real Estate Appraisal	1.5
RES 183 Real Estate Appraisal Procedures	3
RES 200 Seminar in Current Real Estate Issues	5
-OR-	
BUS 197 Work Experience/Business Occupations	3-5
RES 220 Real Estate Economics	3
BUS 230 Business Communications**	5
RES 280 Commercial Real Estate: Analysis of Markets & Income	3
RES 281 Principles of Capitalization in Appraising	3
RES 282 General Appraisal Applications	3

TOTAL CREDITS 39.5

\* Students may challenge RES 125, Real Estate Math, by passing the RES 125 challenge test and receiving two credits.

\*\* Prerequisite for BUS 230 is BUS 131, Business English, or pass the BUS 131 challenge test.

### Real Estate Residential Appraisal

#### Certificate

##### TECHNICAL SPECIALTY COURSES

RES 100 Real Estate Fundamentals*	5
RES 125 Real Estate Math**	2
RES 170 Real Estate Law	3
RES 180 Principles of Real Estate Appraisal	3
RES 181 Standards of Professional Practice Appraisal	1.5
RES 183 Real Estate Appraisal Procedures	3
RES 220 Real Estate Economics	3
RES 240 Real Estate Appraisal – Residential	3
-OR-	
RES 241 Appraising Small Residential Income Properties	3
RES Elective***	6

TOTAL CREDITS 29.5

\* For RES 100, students will be required to perform five additional hours of work outside the classroom to meet the Washington Department of Licensing requirements.

\*\* Students may challenge RES 125 by passing the RES 125 challenge test.

\*\*\* Choose courses from approved electives: RES 120, 140, 141, 142, 150, 165, 166, 200, 210, 215, 225, 241, 242, 281, 282, BUS 140, BUS 169 or IT 101, BUS 197, BUS 230, IT 111.

### Real Estate Brokerage

Certificate

#### Technical Specialty Courses

RES 100 Real Estate Fundamentals*	5
RES 150 Residential Sales & Leasing Documentation ..	1.5
RES 165 Real Estate Loan Officer .....	3
-OR-	
RES 166 Real Estate Loan Processing.....	4
RES 170 Real Estate Law .....	3
RES 180 Principles of Real Estate Appraisal .....	3
RES 190 Real Estate Escrow I .....	3
RES 230 Professional Business Practices of Brokerage Management .....	5
RES Electives .....	3

TOTAL CREDITS 26.5

*\*For RES 100, students will be required to perform five additional hours of work outside the classroom to meet the real estate licensing requirements. Courses and course numbers are subject to change due to changes in state guidelines. Please refer to the update sheet in the Advising Center or Business Division or [www.northseattle.edu/business/res/](http://www.northseattle.edu/business/res/) for current information.*

### Real Estate Escrow

Certificate

#### TECHNICAL SPECIALTY COURSES

RES 100 Real Estate Fundamentals*	5
RES 150 Residential Sales & Leasing Documentation ..	1.5
RES 170 Real Estate Law .....	3
RES 175 Intro to Title .....	3
RES 190 Real Estate Escrow I .....	3
RES 195 Real Estate Escrow II .....	3
RES Elective** .....	6

TOTAL CREDITS 24.5

*\* For RES 100, students will be required to perform five additional hours of work outside the classroom to meet the Washington Department of Licensing requirements of 60 clock hours. Students with no prior real estate experience must select RES 100 as a required course.*

*\*\* Choose any course with the RES prefix, BUS 169 or IT 101, BUS 197, BUS 236.*

### Real Estate Investment & Commercial Sales

Certificate

#### Technical Specialty Courses

RES 100 Real Estate Fundamentals*	5
RES 140 Real Estate Sales Practice .....	3
RES 150 Residential Sales & Leasing Documentation .....	4.5
RES 170 Real Estate Law .....	3
RES 180 Principles of Real Estate Appraisal .....	3
RES 210 Principles of Real Estate Investment & Commercial Sales .....	3
RES 220 Real Estate Economics .....	3
Approved Electives .....	3

TOTAL CREDITS 24.5

*\*For RES 100, students will be required to perform five additional hours of work outside the classroom to meet the real estate licensing requirements.*

*The Department of Licensing of the State of Washington requires the successful completion of RES 100 or RES 130 or RES 105 before taking the real estate sales license exam. Courses and course numbers are subject to change due to changes in state guidelines. For current information, please refer to the update sheet in the Advising Center or Business Division or [www.northseattle.edu/business/res/](http://www.northseattle.edu/business/res/)*

### Real Estate Loan Officer

Certificate

#### TECHNICAL SPECIALTY COURSES

RES 100 Real Estate Fundamentals*	5
RES 125 Real Estate Math** .....	2
RES 165 Real Estate Loan Officer .....	3
RES 180 Principles of Real Estate Appraisal .....	3
RES 266 Real Estate Loan Underwriter .....	3
RES Electives*** .....	6

TOTAL CREDITS 22

*\* For RES 100, students will be required to perform five additional hours of work outside the classroom to meet the Washington Department of Licensing requirements.*

*\*\* Students may challenge RES 125 by passing the RES 125 challenge test.*

*\*\*\* Choose from the following: RES 140, 150, 166, 170, 175, 183, 190, 200, 220, 225, 298, BUS 140, BUS 169 or IT 101, BUS 197, BUS 236.*

**Real Estate Loan Processor  
Certificate**

**TECHNICAL SPECIALTY COURSES**

RES 100 Real Estate Fundamentals*	5
RES 166 Real Estate Loan Processing	4
RES 180 Principles of Real Estate Appraisal	3
RES 266 Real Estate Loan Underwriter	3
RES Electives**	9

**TOTAL CREDITS** **24**

*\*For RES 100, students will be required to perform five additional hours of work outside the classroom to meet the Washington Department of Licensing requirements.*

*\*\* Choose from the following: RES 125 (may be challenged by passing RES 125 challenge test), RES 150, 165, 170, 175, 190, 195, 200, 298, BUS 169 or IT 101, BUS 197, BUS 236.*

**Real Estate Property Management  
Certificate**

**TECHNICAL SPECIALTY COURSES**

RES 100 Real Estate Fundamentals*	5
RES 120 Real Estate Principles of Maintenance & Repair	1.5
RES 170 Real Estate Law	3
RES 201 Principles of Real Estate Management	3
-OR-	
RES 202 Residential Property Management	3
-OR-	
RES 203 Commercial Property Management	3
RES 220 Real Estate Economics	3
BUS 169 Using Computers in Business	5
-OR-	
IT 101 Microcomputers Applications	5
-OR-	
IT 111 Internet & Web Authoring Using XHTML	5
RES Elective**	9

**TOTAL CREDITS** **\*\*\*29.5**

*\* For RES 100, students will be required to perform five additional hours of work outside the classroom to meet the Washington Department of Licensing requirements*

*\*\* Choose any course with the RES prefix or BUS 140, BUS 197, BUS 230, BUS 236, IT111.*

**Real Estate Sales  
Certificate**

**TECHNICAL SPECIALTY COURSES**

RES 100 Real Estate Fundamentals*	5
RES 125 Real Estate Math**	2
RES 140 Real Estate Sales Practice	3
RES 150 Residential Sales & Leasing Documentation	1.5
RES 165 Real Estate Loan Officer	3
-OR-	
RES 166 Real Estate Loan Processing	4
-OR-	
RES 260 Real Estate Finance – Commercial	3
RES 170 Real Estate Law	3

**TOTAL CREDITS** **17.5-18.5**

*\* For RES 100, students will be required to perform five additional hours of work outside the classroom to meet the Washington Department of Licensing requirements.*

*\*\* Students may challenge RES 125 by passing the RES 125 challenge test.*

**Advanced Real Estate Sales  
Certificate**

**TECHNICAL SPECIALTY COURSES**

RES 100 Real Estate Fundamentals*	5
RES 125 Real Estate Math**	2
RES 140 Real Estate Sales Practice	3
RES 150 Residential Sales & Leasing Documentation	1.5
RES 165 Real Estate Loan Officer	3
-OR-	
RES 166 Real Estate Loan Processing	4
-OR-	
RES 260 Real Estate Finance – Commercial	3
RES 170 Real Estate Law	3
RES 180 Principles of Real Estate Appraisal	3
RES Elective***	3

**TOTAL CREDITS** **23.5**

*\* For RES 100, students will be required to perform five additional hours of work outside the classroom to meet the Washington Department of Licensing requirements.*

*\*\* Students may challenge RES 125 by passing the RES 125 challenge test.*

*\*\*\* Choose any course with the RES prefix.*

## WATCH TECHNOLOGY INSTITUTE

Workforce Education Programs (206) 528-4620  
 The Watch Technology Institute is the only watchmaking school on the West Coast. This program utilizes the same curriculum as the Watchmakers of Switzerland Training and Educational Program (WOSTEP), which is internationally regarded in the watchmaking industry. The Watch Technology program accepts 12 students per year and requires 3000 hours of instruction over 8 quarters. After the successful completion of the program, students may take the WOSTEP exams for certification. Interested students should contact Elaine Rolf at (206) 526-0169 or e-mail her at [erolf@sccd.ctc.edu](mailto:erolf@sccd.ctc.edu).

*Students can enroll in the following classes which are optional and not required for the certificate or degree: ART 281 (4cr), ART 282 (4cr), and ART 283 (4cr).*

Certificate	
<b>TECHNICAL SPECIALTY COURSES</b>	
HIN 111 Watch Technology I - Introduction .....	6
HIN 112 Watch Technology I - Tools, Equipment/Measurement .....	6
HIN 113 Watch Technology I - Practicum .....	10
HIN 121 Watch Technology II - Professional Knowledge .....	6
HIN 122 Watch Technology II - The Watchmaker's Lathe .....	6
HIN 123 Watch Technology II - Practicum .....	10
HIN 131 Watch Technology III - Winding & Setting Mechanisms and Gear Trains .....	6
HIN 132 Watch Technology III - Watch Gear Trains .....	6
HIN 133 Watch Technology III - Practicum .....	10
HIN 141 Watch Technology IV - Escapements .....	4
HIN 142 Watch Technology IV - External Parts .....	4
HIN 143 Watch Technology IV - Practicum .....	8
HIN 211 Watch Technology V - Intro to Precision Timing .....	6
HIN 212 Watch Technology V - Intro to Electronic Watches .....	6
HIN 213 Watch Technology V - Practicum .....	10
HIN 221 Watch Technology VI - Advanced Precision Timing .....	6
HIN 222 Watch Technology VI - Intro to Automatic Watches .....	6
HIN 223 Watch Technology VI - Practicum .....	10
HIN 231 Watch Technology VII - Advanced Precision Timing .....	6
HIN 232 Watch Technology VII - Chronographs .....	6
HIN 233 Watch Technology VII - Practicum .....	10
HIN 241 Watch Technology VIII - After Sales & Service .....	4
HIN 242 Watch Technology VIII - Review of Course .....	4
HIN 243 Watch Technology VIII - Practicum .....	8

TOTAL CREDITS 164

Associate of Applied Science Degree (A.A.S.)  
 Completion of Certificate Requirements ..... 164

<b>TECHNICAL SPECIALTY COURSES</b>	
ACC 110 Intro to Accounting/Bookkeeping I .....	5
BUS 101 Intro to Business .....	5
CMN 185 Organizational Communication* .....	5
EGR 231 Technical Writing .....	3
ENG 101 Composition .....	5

**GENERAL EDUCATION COURSES**  
*\*This course satisfies 5 credits of the NSCC General Education requirements.  
 5 credits must be selected from specific General Education categories. Contact the Advising Center for a list of these categories and courses.*

TOTAL CREDITS 192

## WEB DEVELOPMENT

*See Information Technologies*

## WORK EXPERIENCE/ COOPERATIVE EDUCATION

Co-op Education/Campus Career Services (206) 527-3685  
 Cooperative Education offers on-the-job learning for college credit. Business, industry and government work with the college to allow students to gain practical job experience coordinated with the student's major field of study.

This program enriches the educational experience by giving relevance to classroom theory and provides students with the opportunity to explore occupational directions within their chosen fields.

Students will receive college credit for employment relating to their major courses of study. For more information, contact the Advising Center.

# Faculty & Administration

## OFFICE OF THE PRESIDENT

RONALD H. LAFAYETTE  
President/Vice Chancellor  
*B.A., M.A., Western Washington University; Ed.D., Brigham Young University.*

JOHN E. BAUTSCH  
Director, Institutional Research and Planning  
*B.A., St. Thomas Seminary; M.Ed., University of Washington; Ed.D. Seattle University.*

DAVID BITTENBENDER  
Manager, Human Resources  
*B.A., Bowdoin College; M.S.W. Case Western Reserve University; M.P.A., Harvard University.*

DOROTHY DUBIA  
Director, Marketing and Public Relations  
*B.A., California State University at Fullerton.*

JANE NAKAGAWA  
Director, Development  
*B.A., San Jose State University.*

## ADMINISTRATIVE SERVICES

ALAN WARD  
Vice President of Administrative Services  
*B.S., M.B.A., University of Hartford.*

TOM BATES  
Director, IT Services  
*B.A., University of Washington.*

BRUCE KIESER  
Director, Facilities & Plant Operations  
*B.S., California State Polytechnic University; M.B.A., Pacific Lutheran University.*

JEFF CALDWELL  
Manager, Safety and Security  
*Certificate in Law Enforcement, Highline Community College.*

WALLY FOSMORE  
Manager, Facilities Operations  
*A.A.S., Shoreline Community College.*

PAUL PIECUCH  
Manager, Computing Services  
*A.A.S., North Seattle Community College; A.A.S., South Seattle Community College*

DENNIS YASUKOCHI  
Manager, Administrative Services  
*B.A., University of California; M.B.A., M.P. Acc., University of Washington.*

## ECONOMIC DEVELOPMENT & CONTINUING EDUCATION

KATHERINE RILEY  
Executive Dean, Economic Development and Continuing Education  
*B.A., M.Ed., University of Washington.*

KENDALL HARRIS  
Director, Continuing Education  
*B.A., M.A., San Diego State University.*

MARK WEN  
Director of International Programs  
*E.E., Harbin Electrical College; M.B.A., Gonzaga University.*

MACHELLE ALLMAN  
Manager of International Student Programs  
*B.A., St. Andrews Presbyterian College; M.A., University of Wyoming.*

HENDRIKA BENJAMINS  
Manager, Continuing Education

## STUDENT SERVICES

ROY FLORES  
Vice President for Student Services  
*B.A., M.A., Seattle University.*

MARCI J. MYER  
Dean, Student Services/ Registrar, Admissions, Records & Registration  
*B.S., M.S., University of North Dakota.*

ALICE MELLING  
Director, Enrollment Services  
*B.A., Pacific Lutheran University; M.Ed., University of Washington.*

Director, Retention Services  
*Currently vacant.*

SUZANNE SCHELDT  
Director, Student Financial Aid Services  
*B.S., Northern Michigan University.*

SUSAN SHANAHAN  
Director, Student Activities and Programs  
*B.A., Western Washington University.*

CHERIE WEBER  
Manager, Bookstore

ALBERT COSIO  
Veterans Program Coordinator and Special Accounts  
*B.S., San Jose State University; M.S., Florida Institute of Technology.*

THERESE QUIGG

Manager, Testing Center  
*B.A., Seattle University*

KELLI NAKANO  
Director, Upward Bound Program  
*B.S., University of Southern California.*

## OFFICE OF INSTRUCTION

KAREN DEMETRE  
Vice President for Instruction  
*B.S., M.Ed., University of Washington.*

MARY ELLEN O'KEEFFE  
Executive Dean, Professional/Technical Education & Workforce Education  
*B.A., Cuchese College; M.A., Pacific Oaks College; Ed.D., Seattle University.*

PATRICIA CHEADLE  
Dean, Business, Engineering and Information Technologies:  
*B.A., California State University; M.A., M.P.A., University of California at Berkeley.*

THOMAS GRIFFITH  
Dean, Math, Science, Social Sciences  
*B.S., Iowa State University; M.S., Idaho State University; Ph.D., Oklahoma State University.*

DARRELL MIHARA  
Dean, Culinary Arts and Hospitality/Child & Family, Health/Medical & Physical Education  
*B.A., University of Washington; Professional Technical Teaching Certificate; M.Ed., Western Washington University.*

JACQUELINE MUNDELL  
Dean, Instructional and Information Support Services  
*B.A., University of Colorado-Boulder; M.P.A., University of Nebraska-Omaha; M.L.S., Emporia State University.*

EDITH WOLLIN  
Dean, Arts, Humanities and Adult Basic Education  
*B.A., Pacific Lutheran University; M.S., University of Kansas; M.A.T., Ph.C., University of Washington.*

TOM BRAZIUNAS  
Director, Distance Learning  
*B.A., University of Chicago, M.S., State University of New York; Ph.D., University of Washington.*

KIMBERLY CHAPMAN  
Director, Adult Basic Education  
*A.A., North Lake Community College; B.A., M.A., University of Texas at San Antonio.*

NANCY FELKE  
Director, Career Link Academy  
*B.A., Montana State University; M.Ed., University of Washington.*

WALTER HUDSICK  
Interim Director, The Loft Writing Center  
*A.A., Mercy College; B.S., Excelsior College; M.A., Eastern Washington University.*

SU NELSON  
Director, Worker Retraining  
*B.A., University of Portland; M.Ed., Seattle University.*

N. DAVID GRONBECK  
Manager, Media Services  
*B.A., University of Minnesota.*

JOHN ROST  
Manager, Food Services  
*Certificate, North Seattle Community College; Professional Technical Teaching Certificate.*

## THE FACULTY

ABE, BENJAMIN  
Anthropology  
*B.A., Carleton College, Minnesota; M.S., Washington State University.*

ADELSON, NANCY J.G.  
Real Estate and Marketing  
*B.A., University of Washington; Graduate Realtor Institute (GRI) Certificate; Professional Technical Teaching Certificate*

AL FAIZ, AMAL  
ABE/ESL  
*C.B., Academy of Bordeaux, France; B.A., Carleton College, Minnesota; M.Ed, Seattle University.*

ANDERSON, JANICE  
ABE/ESL:  
*B.A., University of Washington; M.Ed., Seattle University.*

ANDERSON, STEVEN N.  
Mathematics and Physics  
*B.S., M.S., Ph.D., University of Washington.*

ATKINS, ROBERT J.  
Sociology  
*B.A., M.A., California State University; Ph.D., University of Washington.*

BALDWIN, WENDY  
Institute of English  
*B.A., University of California, San Diego; M.A., California State University, Long Beach; M.A., State University of New York, Buffalo.*

BEATTY, ERIC  
Engineering Design Technology  
*M.I.T., B.S., Bowling Green State University; Certified Solidworks Administrator.*

BEDFORD, DEBORAH  
Medical Assisting  
*A.A.S., North Seattle Community College; Certified Medical Assistant.*

BELL, BARBARA  
ABE/ESL  
*B.A., University of Oregon; M.A., Portland State University.*

BELGACEM, TAMARA  
ABE/ESL  
*B.A., Fort Wright College; M.A., University of Puget Sound.*

BENNETT, PAULA  
English  
*B.A., M.A., Ph.D., University of Washington.*

BERNHARD, SCOTT  
French, Spanish  
*B.A., Brigham Young University; M.A., Ph.C., University of Washington.*

BIRD, ELIZABETH L.  
Parent Education  
*B.A., Pacific Oaks College.*

BOUKER, PATRICK  
Accounting  
*B.A., M.B.A., Seattle University.*

BRADEN, JAMES  
Business Information Technology  
*B.A.Ed., M.Ed., Central Washington University*

BRANNAN, DENISE G.  
Mathematics  
*B.A., Dip. Ed., M.A., University of Sydney, Australia.*

BRODERICK, MARGARET E.  
General Business and Business Information Technology  
*B.A., Seattle University; Professional Technical Teaching Certificate.*

BROWN, MARY MARGARET  
Parent Education  
*B.S.N., Indiana University; M.S., University of Colorado; Ph.D., UCLA School of Education.*

BRUBAKER, ROBERT  
History  
*B.A., M.A., Ph.D., University of Washington.*

CAMPBELL, M. ELIZABETH  
Computer Information Technologies  
*B.A., University of Washington; Professional Technical Teaching Certificate.*

CARLSTROM, NORMAN  
Construction Design and Drafting with CAD:  
*Licensed Architect, Washington state; Industry B. Arch., New York Institute of Technology; Professional Technical Teaching Certificate.*

CAULDWELL, ELEANOR E.  
Human Biology and Nutrition  
*B.A., Mills College; M.S., University of California at Los Angeles.*

CHRISTENSON, ELROY  
Art  
*B.F.A., San Francisco Art Institute; M.F.A., University of Washington.*

CHUNG, TERRI  
English  
*B.A., Wellesley College; M.A., Stanford University.*

CLAPP, J.C.  
English  
*B.A., University of Wyoming; M.A., Utah State University.*

CLARK, JULIANNE  
Spanish  
*B.A., M.A., Ph.D., University of Washington.*

CLARK, PATRICIA  
Computer Information Technologies  
*B.A., M.P.A., University of Washington.*

COOK, THOMAS H.  
Economics  
*B.A., University of Washington; M.A., Western Washington University; D.Min., Vision International University.*

COSKO, PAULA  
ABE/ESL  
*B.A., Teaching Certificate, ESL Advanced Certification, Seattle University; M.A., Antioch University.*

DANIEL, NORIS  
Early Childhood Education  
*B.S., Colorado State University; M.A., Pacific Oaks College; Professional Technical Teaching Certificate.*

DAVIS, GEORGE C.  
Network Administration  
*B.S., San Francisco State University.*

DJAO, WEI  
Global/Asian Studies  
*B.A., M.A., Ph.D., University of Toronto.*



DONATO, VALERIE  
Parent Education  
*B.A., Queens College, University of City of New York; M.A., Pacific Oaks College; Professional Technical Teaching Certificate.*

DRUMMOND, TOM  
Early Childhood Special Education  
*B.A., M.Ed., University of Washington; Professional Technical Teaching Certificate.*

DUFFY, RALPH  
Computer Information Technologies:  
*B.A., University of Michigan; M.S., Pennsylvania State University.*

DUFFY, RUTH  
ABE/ESL  
*B.S., University of Maine; M.A., TESL Certificate, Seattle University.*

EATON, JAMES  
ABE/ESL  
*B.A., M.A., California State University at Chico.*

EBERHARDT, DAVID  
Business Information Technology  
*B.S., University of Washington, M.A., City University*

EJDE, LINDA E.  
General Business and Business Information Technology  
*B.A., University of Washington; M.B.A., Seattle University; Professional Technical Teaching Certificate.*

ENFINGER, FRANK  
Network Technologies  
*A.A.S., Network Technology Certificate, North Seattle Community College; Microsoft Certified Trainer; Professional Technical Teaching Certificate.*

EYRES, DAVENE  
Physics and Mathematics  
*B.S., M.S., University of Washington.*

FIGENBAUM, TIMOTHY  
Electronics and Engineering  
*B.T.E., National University; M.A., Webster University.*

FRANKEL, THOMAS  
ESL  
*B.A. University of California Berkeley; TESOL Certificate, Sonoma State University; M.A., Seattle Pacific University.*

FURUTANI, JUSTINE  
Chemistry  
*B.S., California Institute of Technology; M.S., University of California at Los Angeles.*

FURUTANI, TRACY T.  
Random Science  
*B.S., California Institute of Technology; M.S., Stanford University; Ph.D., University of Washington.*

GARCIA, FRANK  
Mathematics  
*A.A., Seattle Central Community College; B.A., Western Washington University.*

GERTLER, ANNA  
ESL  
*B.A., University of California; Teaching Credential, Foundation of Adult Education*

GERTLER, PESHA  
English  
*A.A., Mt. Hood Community College; B.A., Reed College; M.A., University of Washington.*

GOFORTH, JANE  
Business/Computer Information Systems  
*A.A.S., North Seattle Community College; B.A., University of Washington.*

GOLDNER, BARBARA  
Computer Science, Computer Information Technologies, Mathematics  
*B.A., Wellesley College; M.S., Stanford University.*

GREEN, DEBORAH  
English  
*B.A., Wellesley College; M.A.T., University of Washington.*

GRUVER, CATHERINE  
ABE  
*B.A. University of Virginia; M.A., Seattle University.*

HAERTEL, HARRIS  
Geography, History  
*B.S., Arizona State University; B.F.T., American Graduate School of International Management, Glendale, Ariz.; M.A., University of Washington.*

HAINES, JEANIE  
ABE/GED  
*B.A., University of Washington.*

HALL, LARRY W.  
Psychology  
*B.A., M.S., Western Washington University.*

HAMILTON, CAROL ANN  
English  
*B.A., M.A., University of Washington.*

HAMILTON, EARL W.  
Mathematics, Engineering  
*B.S., Massachusetts Institute of Technology; M.A., University of Washington.*

HARNISH, JAMES  
History, Philosophy  
*B.A., Seattle University; M.A., University of Washington.*

HARRADINE, JANE  
English, Drama  
*B.A., University of Washington; B.A., Pomona College; M.A., University of Idaho.*

HARRIS, DAVID  
Art  
*B.F.A., M.F.A., University of Washington.*

HATEM, HENRY  
Watch Technology  
*Certificate, North Seattle Community College; WOSTEP Basic Certificate.*

HAYS, RUTH  
Practical Nursing  
*R.N., B.S.N., University of Colorado.*

HEINLEIN, TRACY  
English  
*B.A., Tulane University; M.A., University of Southern Mississippi.*

HILL, JOANNE  
Physical Education, Yoga  
*B.A., Ohio University; Two year Teacher Training Certificate, The Center for Yoga.*

HIMES, DAVID  
Mathematics  
*B.S., University of Washington; M.S., Western Washington University.*

HOLT, BILL  
Business/Engineering Technologies  
*B.S., Washington State University; M.A., Bastyr University; Training Specialist Certificate, TQM Certificate, University of Washington.*

HONG, JACKIE  
Chemistry  
*B.S., University of Washington; M.S., Western Washington University; Professional Technical Teaching Certificate.*

HOPT, LARRY W.  
Accounting and General Business  
*B.A., Boise State University; J.D., University of Washington Law School; Professional Technical Teaching Certificate.*

HOSTETLER, DIANE  
Drama, English  
*B.A., Russell Sage University; M.F.A., Temple University.*

HOTTINGER, SUSAN  
ABE/ESL  
*B.A., University of Washington; M.A., TESL, Seattle University.*

HULL, LYNNE  
Art  
*B.F.A., University of Washington; M.F.A., School for American Craftsmen.*

JALALYAR, MIR  
Accounting and Business  
*B.S., Kabul University; B.A., University of Puget Sound; M.S., Ph.D., Washington State University.*

JARVIMAKI, WAYNE M.  
Business and Information Technology/Cisco  
*A.A.S., North Seattle Community College; Cisco Certified Network Professional (CCNP); Cisco Certified Academy Instructor (CCAI).*

JENNE, RALPH W.  
Mathematics  
*B.A., University of Colorado; M.A., Ph.D., University of Washington.*

JEWELL, PHEBE  
English  
*B.A., Simon Fraser University; M.A., Ph.D., University of Washington.*

JUMP, FRANK E.  
Electronics  
*B.S., U.S. Merchant Marine Academy; Professional Technical Teaching Certificate.*

KELLER, ALICE  
ABE/ESL  
*B.A., M.A., Indiana University; M.A.T., University of Washington.*

KELLY, MICHELLE  
Art  
*B.F.A., University of Washington; M.F.A., Hunter College, C.U.N.Y.*

KENT, JEAN  
Computer Information Technologies  
*B.A., M.L.S., University of Washington; Professional Technical Teaching Certificate.*

KERNS, THOMAS, A.  
Philosophy  
*B.A., University of Notre Dame; M.A., Ph.D., Marquette University.*

KIRSCH, STEPHEN  
Mathematics  
*B.S., St. Martin's College; M.S., Central Washington University.*

KISCHNER, MICHAEL  
English  
*B.A., Kenyon College; M.A., Johns Hopkins University; Ph.D., University of Washington.*

KITA, SHARON  
ABE/ESL  
*B.S., Illinois State University; M.A., Southern Illinois University.*

KOSS, TERRY  
Physics, Astronomy  
*B.S., University of Washington; M.S., University of British Columbia; Ph.D., University of Washington.*

KREFTING, PAUL  
ABE/ESL  
*B.A., California State University; M.A., Ph.C., University of Washington.*

KUROSE, PAUL MITSOU  
Mathematics  
*B.S., University of Washington; M.A., University of California at Berkeley.*

LEARN, JULIA (JUDY) F.  
Health, Nutrition  
*B.A., Spaulding College; M.Ed., University of Louisville*

LEVY, GIRARD W.  
Psychology  
*B.A., University of Buffalo; M.A., Ph.D., Emory University.*

LI, DEANNA J.  
Mathematics  
*B.S., University of the Philippines; M.A., University of Washington; Professional Technical Teaching Certificate.*

LI, HON  
Applied Mathematics  
*B.S., University of Michigan; Ph.D., University of Washington.*

LIMING, SANDRA  
Practical Nursing  
*R.N., A.A.S., Everett Community College; B.S.N., Seattle Pacific University; M.N., Ph.C., University of Washington; Professional Technical Teaching Certificate.*

LIPPERT, PAM  
Mathematics  
*B.S., M.S., University of Wisconsin at Milwaukee.*

LORTZ, PETER  
Biology  
*B.A., DePauw University; M.S., Miami University.*

MA, DIANA  
English  
*B.A., University of Washington; M.A., University of Illinois; Teacher Certificate, Antioch University.*

MASURA, JULIE E.  
Earth Sciences  
*B.S., M.S., Washington State University.*

MCDOWELL, CONNIE  
Librarian  
*B.A., M.L.S., University of Washington.*

MCGUINNESS, MITCH  
Botany  
*B.S., M.S., University of Washington.*

MCKELVEY, BETH  
ESL  
*B.A., University of Washington; M.A., San Francisco State University*

MCKIBBEN, MARGARET C.  
Librarian  
*B.A., University of Chicago; M.L.S., University of Washington.*

MCKIM, BRUCE  
EMT/CPR  
*NAEMSE; Washington state Senior Emergency Medical Technician Instructor.*

MEYER, MARK  
Art  
*B.A., Ph.D., University of Texas.*

MINATOYA, LYDIA  
Counselor  
*B.A., St. Lawrence University; M.A., George Washington University; Ph.D., University of Maryland.*

MOORE, MARGARET  
ESL  
*B.A., Seattle University; M.A.T., School of International Training.*

MOSCOU, KATHY  
Pharmacy Technician  
*R.Ph., B.S., Pharmacy, University of Washington; Professional Technical Teaching Certificate.*

MURKOWSKI, ANN  
Biology  
*B.S., University of Puget Sound; M.S., Western Washington University.*

MURPHY, EILEEN MACRAE  
Mathematics  
*B.A., M.A., University of Washington.*

NAGI, KULDEEP  
Network Technologies  
*M.S., Microcomputer Management Certificate, University of Washington; Certificate in Computer Service Technology, North Seattle Community College; Microsoft Certified System Engineer (MCSE), Microsoft Certified System Administrator (MCSA), Microsoft Certified Trainer (MCT).*

NUTTING, MAUREEN  
History  
*B.A., Fordham University; M.A., Ph.D., University of Notre Dame.*

OFFENBACK, VINCE  
Computer Science & Electronics  
*B.S.E.E., Drexel University; M.S.E.E., University of Washington; Professional Technical Teaching Certificate.*

OLGUIN, ENRIQUE  
Ethnic Studies  
*A.A., Orange Coast Community College; B.A., University of California at Los Angeles; Ph.D., Stanford University.*

OWINGS, STEPHANIE  
English  
*B.S., University of Oregon; M.A., Ph.C., University of Washington.*

PATTERSON, JAMES  
Chemistry  
*B.S., Washington State University; M.S., University of Washington.*

PAZ, MARIA S.  
Librarian  
*B.A., M.L.S., University of Washington.*

PURDY, CHRISTINA,  
ABE/ESL, English, Institute of English  
*B.A., Smith College; M.A., Southern Illinois University.*

PURKEY MCKRACKEN, LAURA  
English  
*B.A., Western Washington University; M.A., New Mexico State University.*

QUIG, STEVE  
Developmental English, English  
*B.A., M.F.A., University of Washington.*

QUILLINAN, BILL  
Heating, Air Conditioning and Refrigeration Design Technology  
*B.S.M.E., University of Utah.*

RADKE, FRED  
Music  
*Professional Musician; College of San Mateo.*

REID, JIM  
Physics/Astronomy  
*B.A., University of Oxford, England; M.Sc., University of Suffix, England; Ph.D., University of Calgary, Canada.*

REIS, JANE LISTER  
Communication  
*B.A., New York University; M.A., Seattle Pacific University.*

RIGBY, DAVID W.  
Technical English  
*B.A., M.A., Pennsylvania State University; Professional Technical Teaching Certificate.*

RIZVI, NAJMA  
International/Global Studies  
*M.A., University of Florida; M.A., University of Colorado; Ph.D., University of California at Los Angeles.*

ROLF, ELAINE  
Watch Technology  
*Certificate, North Seattle Community College; WOSTEP Certificates; Professional Technical Teaching Certificate.*

ROOT, PATRICIA  
Physical Education  
*B.S., M.S., University of Arizona.*

ROSS, JOAN STUART  
Art  
*B.A., Connecticut College; Yale University; M.A., M.F.A., University of Iowa; Teaching Certificate, Creative Writing Certificate, University of Washington.*

ROST, D. JOHN  
Culinary Arts  
*Certificate, North Seattle Community College; Professional Technical Teaching Certificate.*

SAMS, CAROL  
Music  
*B.A., University of California; M.A., Mills College; D.M.A., University of Washington.*

SANDERS, CHRISTOPHER D.,  
Electronics and Engineering Technologies  
*A.A.S., North Seattle Community College; Medical Imaging Technology, Picker Institute.*

SAUNDERS, BRIAN  
Biology  
*B.S., M.S., Western Washington University.*

SCHAFFER, DENNIS J.  
Engineering, Computer Science  
*B.S., Rensselaer Polytechnic Institute; M.S., Case Western Reserve University; Professional Technical Teaching Certificate.*

SCHLADOR, SUZANNE  
Microbiology  
*B.S., Loyola Marymount University; M.S., California State University at Long Beach.*

SCHLEY, ANNETTE  
General Business and Business Information Technology  
*B.A., M.A., Wayne State University; Professional Technical Teaching Certificate.*

SCHMITT, S. FRAN  
Psychology  
*B.A., Miami University, Ohio; M.A., University of Wisconsin.*

SCHUESSLER, BOB  
Communication  
*B.A., College of the Ozarks; M.A., Fairfield University; Ed.M., Ed.D., Columbia University.*

SHAKARIAN, ROUPEN  
Music  
*B.A., M.A., University of Washington.*

SHARPE, LYNN  
ESL  
*B.A., City College of New York; M.A., Master of Philosophy, Columbia University.*

SHIOSAKI, GREGG  
Culinary Arts and Hospitality  
*Food Production and Hospitality Management Certificate, South Seattle Community College; Professional Technical Teaching Certificate.*

SHOEMAKER, D.C.  
Network Technologies  
*B.A., University of California at Berkeley; M.B.A., University of Washington.*

SIDOINE, KAAREN  
ABE/ESL  
*A.A., Seattle Central Community College; B.A., M.Ed., Seattle University.*

SIMES, SHARON  
Librarian  
*B.A., M.L.S., University of Washington.*

SMITH, MARILYN  
English  
*B.A., Northwestern University; M.A., University of Michigan.*

SNYDER, JACQUE  
Practical Nursing  
*R.N., B.S.N., University of Arizona.*

SPRINGER, ARLENE  
ABE/ESL  
*B.A., M.A., University of Washington.*

STERN, ROSELLA  
English  
*B.A., Roosevelt University; M.A., Northwestern University; Ab.D., Ph.D., University of Washington.*

STUHLBREHER, KAREN  
Women Studies  
*B.A., Ithaca College; M.A., Ph.C., University of Washington.*

SULLIVAN, KATHERINE  
Culinary Arts and Hospitality  
*A.A.S., Occupational and Vocational Education, South Seattle Community College.*

SWANLJUNG, VERNA  
General Business and Business  
Information Technology  
*B.S., Bennett College; M.B.A., City University; Professional Technical Teaching Certificate.*

TENENBAUM, MOLLY  
English  
*B.A., Sonoma State University; B.A., M.F.A., University of Washington.*

TRIMBLE, DONALD  
Political Science, Economics  
*B.A., Central Washington University; M.A., Western Washington University.*

TUINSTRAL, SHERRY  
ABE/ESL  
*B.A., M.A., TESOL, Seattle Pacific University.*

VILCHES, CHRISTINE  
French  
*B.A., M.B.A., M.Ed., University of Washington.*

WAGNER, IRENE  
Parent Education  
*B.A., San Jose University; M.S.W., University of Washington.*

WALKER, ANDREW L.  
Mathematics  
*B.S., M.S., University of Washington.*

WALL, JAMES C.  
Architectural Engineering Drafting  
*Licensed Professional Engineer; Washington State Bar; A.A., Everett Community College; B.A., University of Washington; J.D., University of Puget Sound School of Law/Seattle University School of Law; Community College Vocational Certificate.*

WARD, JEAN  
Parent Education  
*B.A., University of Washington; M.S.W., University of California at Berkeley.*

WASSON, DAVID  
Culinary Arts and Hospitality  
*A.A.S., Seattle Central Community College, Certified chef de cuisine, Certified Culinary Educator.*

WATTS, HARRY L.  
Mathematics  
*B.A., Sul Ross University, Texas; M.S., University of New Mexico.*

WEGLIN, JIM M.  
Accounting, General Business  
*B.S., Seattle University; M.B.A., California State University at San Jose; C.P.A.; Professional Technical Teaching Certificate.*

WHITTIER, NANCY  
Practical Nursing  
*R.N., A.A.S. Medical Administrative Assistance, Commonwealth College; Diploma of Nursing, Sentara Norfolk General Hospital School of Professional Nursing; B.S.N., Virginia Commonwealth University.*

WILKINSON, LYNDA  
Electronics  
*B.A., B.Ed., University of Montreal; A.A.S., British Columbia Institute of Technology; Professional Technical Teaching Certificate.*

WOODS, RONALD  
Accounting  
*B.A., Seattle University; M.S., Georgetown University.*

WU, JENNIFER  
Librarian  
*B.A., California State University at Chico; M.L.S., University of Oregon.*

XIE, HOWARD  
English, Developmental English, ESL,  
Chinese  
*B.A., Jilin University, Changchun (China); M.A., Virginia Polytechnic Institute and State University.*

YAMAGUCHI, KEIKO  
Japanese  
*B.A., Doshisha University, Kyoto; Certificate in Teaching Japanese as a Foreign Language, Japanese Minister of Education; Certificate in Teaching Japanese as a Foreign Language, the National Language Research Institute.*

ZAHAIKO, CRISTINA C.  
Spanish, French  
*B.A., M.A., University of Washington.*