Welcome

When our students talk about North, they talk about excellent instruction and student support services. They praise the faculty and staff for their knowledge of their areas, their pride in their work, and their true concern for student learning. They also cite North’s safe campus, diverse student population, vibrant learning communities, robust technology, and convenient location in the Northgate area, five miles north of the Seattle city center in a quiet residential neighborhood. The campus occupies 62 acres, including 11 acres of environmentally sensitive wetlands.

Many of our students transfer successfully to four-year colleges and universities. North’s “College Pathways Program” offers events, publications, resources and advising especially designed for transfer students. Our small classes and emphasis on learning skills and critical thinking help our students to succeed. Online classes provide a convenient option, as do evening courses.

Other students find success in the workplace by choosing from more than 50 career training programs. All of these programs are developed and refined in cooperation with employers. As a result, training matches employers’ needs and leads to employment opportunities.

In addition, North helps adults earn their GED, learn English, enhance their basic skills and/or pursue a new skill or leisure time interest.

North also provides a rich student life. Concerts, plays, intercollegiate basketball, fitness programs, an award-winning literary magazine, and special events highlight North’s diverse student population and add depth to the students’ experiences.

President, North Seattle Community College
Specialized TRAINING CENTERS

Sand Point Education Center
(206) 527-3705
6208 60th Ave. NE, Seattle, WA 98115

Sand Point Education Center houses more than 100 Continuing Education classes. This former elementary school has a gymnasium, auditorium and stage, and spacious grounds that facilitate a variety of classes which promote both professional and personal growth. In addition to weekday and evening schedules, classes are also held on Friday nights, Saturdays and Sundays.

FUN FACTS at a Glance*

Annual attendance 2006-2007 15,975

FALL 2007 PROFILES

Students **
- Median age 29.7
- Ethnic diversity 40%
- Male/female 38%/62%
- With bachelor or higher degrees 27%
- Employed 69%
  - full-time 43%
- With dependents 30%
  - single parents 6%
- Full-time/part-time attendance 29%/71%

Programs
- Academic Transfer 41%
- Workforce Education 29%
- Basic Skills 11%
- Continuing Education and Others 19%

Courses
- State-funded 86%
- Contract-supported 1%
- Student-supported 13%

Special Enrollments
- Distance Learning 3,096
- Running Start 343
- International Students 549
- Worker Retraining 331

* Source: State Board for Community and Technical Colleges Data Warehouse  ** State-funded
ADVISING
(206) 527-3658  ■  advisornorth@sccd.ctc.edu
www.northseattle.edu/enroll/advise/
Advising provides resources and assistance for students who are planning to transfer to a four-year college or those considering professional-technical programs. Advisors help students to select courses and programs to reach their educational goals. Students seeking degrees or certificates attend new student orientation sessions, where they receive information about North and 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.

CAREER SERVICES and INTERNSHIPS
Career Services
(206) 527-3685  ■  careerservices@sccd.ctc.edu
www.northseattle.edu/services/career/
Career Services provides students with full-time and part-time job listings, 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 student job searches and career planning.

Internships
(206) 527-3686
www.northseattle.edu/services/internships/
Internships provide students with the opportunity to earn college credit while gaining practical work experience in their field of study. The Internship Program begins with CWE 101, which is a 2-credit course designed to assist students in developing an internship. Once an internship is developed, CWE 110 provides 3 credits for the internship.

CLASS SCHEDULE Quarterly
Each college produces a quarterly Class Schedule which lists the specific courses being offered that quarter. This schedule is available approximately six weeks before the start of each quarter in both printed and online formats. To receive a printed copy, call (206) 527-3600 to be put on the mailing list. To view or download the online class schedule, visit www.northseattle.edu/schedule.

COMPUTER Labs
(206) 527-3630
www.northseattle.edu/kiosk/netid/
Students at North have access to 70 computers in the Library and 50 more in the open computer lab in IB3303. In addition, all students with a NSCC NetID account can access the North wireless network from many areas on campus.

COUNSELING
(206) 527-3676
www.northseattle.edu/services/counseling/
The Counseling Center offers individual appointments, classes and workshops, and online self-help to aid students to identify career interests, select programs of study and investigate careers and majors. It also offers students assistance to improve concentration, study skills, test taking, time management, and other academic skills; to manage stress, crisis, and communication; and to strengthen emotional and social skills.

DISABILITY Services
(206) 527-3697
FAX (206) 985-3958
TTY (206) 526-0079
www.northseattle.edu/services/disability/
The role of Disability Services is to provide physical and programmatic accommodations to persons with documented disabilities. This office obtains and files disability-related documents, certifies eligibility for services, helps determine academic adjustments, and consults for the provision of such accommodations. Academic adjustments are provided to ensure access to all community college courses, programs, counseling, activities and facilities.
Disability Services provide or arrange a variety of auxiliary services such as sign language interpreters, assistive technology, exam modifications, and academic assistance. To avoid delays, auxiliary requests such as Brailling and books on tape require six weeks advance notice. Interpreting services for ongoing classes require four weeks notice and interpreting services for special requests or one-time services need at least one week notice.
This office also offers consultations to faculty and staff to help design accommodations that provide equal access.

For specific details and additional information on eligibility and policies, see page 39.
INTERNATIONAL Programs
(206) 527-3672 • international@sccd.ctc.edu
FAX (206) 527-3794
www.northseattle.edu/services/international/

International Programs (IP) oversees admissions, activities and services for students who have non-resident visas. IP processes admission applications for international students and assists them after admission. Contact this office for information about international admissions, or for assistance with academic issues, immigration regulations, housing or personal concerns. Field trips and other student activities promoting intercultural communication and enhanced experience of American culture are also provided by this office.

See page 22 for more information.

LIBRARY and MEDIA SERVICES
(206) 527-3607
http://dept.sccd.ctc.edu/nslib/

Library and Media Services offers a wide range of books, journals, magazines, videos, CDs, and DVDs for checkout or use in the library or classroom. Computer workstations provide access to the online library catalog, the Internet, databases, magazines, journals, newspapers, encyclopedias, and more. Students have access to the collections of all Seattle Community Colleges and a national library collection database. Librarians can help students take full advantage of library resources. The librarians also offer non-credit and for-credit classes in information literacy.

Media equipment available includes VCRs, televisions, DVD and CD players, slide projectors, sound systems, video cameras, and computers with data projectors. Listening/viewing carrels, individual study carrels and group study rooms are available throughout the library.

LIFELONG LEARNING College
(206) 527-3705
www.northseattle.edu/senior/

Because learning is a lifelong process, the college offers classes especially for those over 55. Classes are normally held during daytime hours on and off campus. Tuition ranges from $22.20 to $75 per five- to ten-week course. Students can register online, by phone or on campus.

TESTING Center
(206) 527-3674 • nscctestingcenter@sccd.ctc.edu
www.northseattle.edu/enroll/testing/

Students seeking a degree or certificate or enrolling in most English or mathematics classes must take placement tests prior to registration. These tests help the student and advisor to select appropriate classes. The placement tests are offered during weekly drop-in hours and at other posted times. ESL placement tests and GED exams require appointments. For testing schedule and detailed information, visit the website or the Testing Center.

TUTORING Services
The Loft (206) 526-0078
www.northseattle.edu/services/loft/
Math Learning Center (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 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 other languages.

The Math Learning Center is located in ED1845B and offers tutoring assistance to all students enrolled in math, science or computer science classes. Videotapes in basic math, algebra and trigonometry are available.

VETERANS’ Services
(206) 527-3699
www.northseattle.edu/services/veteran.htm

The Veterans’ Affairs office assists veterans, reservists, active duty personnel and eligible family members to receive VA educational benefits.

See page 28 for financial aid information.
**WOMEN’S Center**

(206) 527-3696  
www.northseattle.edu/services/women/

The Women’s Center assists students, both women and men, who need information and referrals regarding housing, health care, child care, transitional housing, family planning and more. The center provides referrals for domestic violence, sexual assault, divorce, and personal and family counseling. It also sponsors programs on gender issues.

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**WORKFIRST Programs**

(206) 527-3769  
nsccinfo@sccd.ctc.edu  
www.northseattle.edu/programs/workforce/

The WorkFirst Program is designed for students receiving cash assistance from Temporary Assistance for Needy Families (TANF) and for low-income working parents who wish to upgrade their skills to prepare for better jobs. Participating students receive funding for tuition and books. North’s WorkFirst Program components are described below.

**Basic Education Program**

This program offers the opportunity to earn a GED, prepare for career/technical programs, improve basic technology skills, learn life and time management skills and develop employable skills.

**Job Skills Training**

Job Skills Training offers short-term training certificate programs of 1 to 2 quarters in length. These certificate programs enable students to build a college credit base as they acquire solid industry-focused skills. Programs include Certified Nursing Assistant, Medical Assistant, Broadband Cable Technician, Customer Service and more.

**High-Wage/High-Demand Job Training Program**

The High-Wage/High-Demand Program provides certificates in programs that require a minimum of 3 to 4 quarters. These certificate programs are for high-demand occupations in the Seattle/King County area that offer average starting wages of more than $15 an hour. Programs include Computerized Accounting, Medical or Legal Assistant, IT for Healthcare and more.

**Work Study**

Work Study enables students to meet their work requirements through part-time employment on campus. Students who are enrolled in ABE/GED classes or program prerequisite classes may “stack” their activities by working 19.5 hours per week. Earnings from Work-Study may affect a student’s food stamp allocation.

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**ART Gallery**

(206) 528-4557  
www.northseattle.edu/services/art.htm

The Art Gallery offers exhibits and activities. It is located in IB 1322A, near the Bookstore.

Hours:  
- 11:00 a.m.–3:00 p.m. Weekdays
- 5:00 p.m.–8:00 p.m. W-Th evenings

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**BOOKSTORE**

(206) 527-3637  
www.northseattle.edu/services/bookstore.htm

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 year-round textbook buy-back service.

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**CHILD CARE Center**

(206) 527-3644  
www.northseattle.edu/services/childcare/

The Child Care Center provides an affordable, convenient, and educational child care setting for the children of North students. Licensed by the Department of Health & Human Services, the Center serves approximately 65 children from 18 months to 5 years old. Call for a tour and fee information.

Hours:  
- 7:30 a.m.–4:00 p.m. Monday through Friday

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**FOOD Services**

(206) 528-4403

North provides three dining areas: the North Star Cafe, Munch Mart, and Espresso Lounge. Food service is available in the cafe during the academic quarter, but not during quarter breaks. Limited food service is available in the Munch Mart during quarter breaks.

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**HOUSING**

(206) 527-3641  
nscconsinfo@sccd.ctc.edu

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.
SAFETY & SECURITY

(206) 527-3636
http://www.northseattle.edu/services/security
The well-being and safety of students are of utmost importance. The office provides notices of possible threats, provides security services and maintains a campus crime log. In the event of an on-campus crime, serious accident or injury, students should call 911 first, and then notify campus security. Contact the office for non-life threatening incidents or injuries as well. Campus pay phones are programmed for one-button, free calls to security and 911.

See page 37 for additional information on personal safety.

STAGE ONE THEATER

(206) 527-3661
Stage One Theater presents a major theatrical production each quarter. These productions offer students the opportunity to work as performers, designers, stage managers, technicians and other positions, often learning alongside professional directors and guest performers.

Student ATHLETICS

(206) 527-3745 Men’s Basketball Program
(206) 527-3773 Women’s Basketball Program
www.northseattle.edu/services/athletics/
The intercollegiate men’s and women’s basketball teams, the Seattle Community College Storm, are based at North. Storm teams compete in the North Division of the Northwest Athletic Association of Community Colleges conference. Students from all three Seattle Community Colleges are eligible to play for the teams. Athletic scholarships for both men and women are granted by the coaches each year.

Student CLUBS

(206) 527-3641 ■ nsccinfo@sccd.ctc.edu
Clubs provide students with opportunities to develop leadership skills and to promote personal and intellectual growth. Participation provides experience in planning, organizing and working in teams. For information about the types of student clubs, contact the program coordinator or visit the Student Leadership and Multicultural Programs Department in the College Center building.

Student GOVERNMENT

(206) 527-3641
www.northseattle.edu/services/govt.htm
The Student Leadership Council, North’s official student government, identifies and represents the interests of the student body to the college administration. Members work collaboratively with campus staff to provide programs and services that enhance and support students’ academic success. Members receive a stipend, training and mentoring designed to strengthen their leadership skills and to provide them with a foundation for success.

Student INSURANCE

For information on student injury and sickness insurance, contact the Cashier’s Office at 206-527-3627.

See page 32 for information on Student Insurance.

Student LEADERSHIP & MULTICULTURAL Programs

(206) 527-3643 ■ nsccinfo@sccd.ctc.edu
www.northseattle.edu/services/sleaders.htm.
These programs provide opportunities for students to develop leadership skills, foster intellectual and personal growth, and network and grow friendships through participating in co-curricular and leisure activities in a welcoming, supportive environment that values, celebrates and reflects diversity.
The program designs student-centered programs that complement learning, build leadership skills, shape campus policies and procedures, promote student participation, instill personal confidence, and encourage goal setting and values clarification to develop responsible citizens for a multicultural and global society.
TRANSPORTATION & PARKING
(206) 526-0060
www.northseattle.edu/services/transport.htm.
North is served by several Metro bus routes. Carpooling, walking, busing, biking and van pooling are encouraged and incentives may be provided. Contact the transportation coordinator in security at 526-0060 for more information. Student Metro bus passes can be purchased at the Cashier’s Office at special discounted rates.

Parking
(206) 527-3636
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.

WELLNESS CENTER/Student Recreation
(206) 527-3631
Information Line (206) 527-3649
www.northseattle.edu/services/wellness/
The Wellness Center offers a variety of fitness activities such as yoga, Pilates, resistance training and cardiovascular training. The Wellness Center fee of $1 per credit entitles students to use the facility and to participate in free, drop-in sessions.

ALUMNI Association
(206) 527-3604
www.northseattle.edu/info/alumni.htm
The Alumni Association of North Seattle Community College was established to build and sustain meaningful relationships with our former 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; encourage 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. Join online at www.northseattle.edu/edfund/alumni.htm.

North Seattle Community College
EDUCATION FUND
(206) 527-3604 ■ nsceducationfund@sccd.ctc.edu
www.northseattle.edu/edfund/
A non-profit 501(c)(3) organization guided by a Board of Directors comprised of community and business leaders, the Education Fund works to provide support for students by providing tuition scholarships and emergency assistance (short-term loans to cover transportation, books, utilities, and other expenses); by providing professional development grants for faculty and staff; and by facilitating in-kind donations of instructional equipment. Students and NSCC employees interested in scholarship and grant applications should contact the Education Fund office.
GENERAL EDUCATION
Definition and Rationale
See page 4.

GENERAL 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
- Work and communicate effectively in groups
- Deal constructively with diversity issues and conflict
- 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
- Understand the United States as a multicultural society
- Understand the elements of a global society

An expanded version of these outcomes is available at www.northseattle.edu/info/outcomes.htm.
Academic Programs

(206) 527-7306

North Seattle Community College offers a full range of college transfer courses that apply toward a four-year program of study. In addition to the Associate of Arts (A.A.) and Associate of Science (A.S.) degrees, North also offers an Associate in Business (A.B.) degree, and Associate of Fine Arts (A.F.A.) degrees in Art and Music.

For complete information on the A.A. degree, see pages 7–10.

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 strongly recommended that students confer with an academic advisor to ensure course transferability.

Students planning to earn an A.A., A.F.A., A.B. 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
- Anthropology
- Art
- Astronomy
- Biology
- Botany
- Business
- Chemistry
- Communications
- Computer Science
- Earth Science
- Economics
- Engineering
- English
- Environmental Science
- Geography
- Geology
- Global Studies
- Health
- History
- Humanities
- Languages & Literature
- Mathematics
- Meteorology
- Music
- Nanotechnology
- Nutrition
- Oceanography
- Philosophy
- Physics
- Political Science
- Science
- Service Learning
- Social Science
- Sociology
- Theater
- Women Studies

ASSOCIATE OF SCIENCE DEGREE (A.S.)

Direct Transfer Agreement

The Associate of Science (A.S.) is also intended to be a transfer degree. However, there are certain major areas of study in which the student may not be able to take all the courses necessary to transfer with junior standing. Please contact an advisor for more information on this degree program.

A.S. degree requirements include satisfactory completion of at least 90 approved credits with a 2.0 cumulative GPA. At least 15 college level credits must be earned at the Seattle Community College granting the degree.

Associate of Science Transfer

The Associate of Science transfer degree is intended for students who wish to transfer as juniors to four-year institutions in the state of Washington.

A.S. degree requirements include satisfactory completion of at least 90 approved credits with a 2.0 cumulative GPA. At least 15 college level credits must be earned at the Seattle Community College granting the degree.

Two different study options are offered:

(1) biological sciences, environmental/resources sciences, chemistry, geology and earth sciences

(2) engineering, computer science, physics and atmospheric science.

Course requirements and GPAs vary from one transfer university to another. Contact an advisor.

See pages 5–10 for A.A. or A.S. degree requirements.
ASSOCIATE IN BUSINESS (A.B.)

Direct Transfer Agreement

This business degree is designed for students who plan to transfer in the area of business studies. It will 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

This degree shall be granted only to students who have completed 90 college level credits with a minimum cumulative grade point average of at least 2.0, and a 2.0 minimum in ENGL& 101 & 102, POLS& 200 or BUS 210 or MATH 109, ECON& 201 & 202, MATH& 148 or 151, ACCT& 201, 202, & 203. At least 15 college credits must be at North.

NOTE: While many Washington state universities accept transfer of this degree, each has individual requirements and/or acceptable course substitutions needed for their specific programs. Also, admission to many business schools is competitive and higher grades are often required. It is essential to learn the requirements of your transfer school and to consult Advising Services.

GENERAL EDUCATION REQUIREMENTS

Communication Skills
ENGL& 101 English Composition ...................... 5
ENGL& 102 Composition II .......................... 5

Quantitative/Symbolic Reasoning Skills
MATH& 146 Intro to Statistics
-OR-
MATH 109 Elementary Statistics .................... 5

Visual, Literary, and Performing Arts
Choose from a minimum of two different prefixes* ...... 15

Individuals, Cultures, and Societies
ECON& 201 Micro Economics .......................... 5
ECON& 202 Macro Economics ......................... 5
Non-ECON& prefix course ............................. 5

The Natural World
MATH& 148 Business Calculus** ...................... 5

Physical, biological, and/or earth sciences ............. 10
(at least one 5-credit laboratory course must be included)

BUSINESS REQUIREMENTS

ACCT& 201 Principles of Accounting I ................. 5
ACCT& 202 Principles of Accounting II ............... 5
ACCT& 203 Principles of Accounting III ............... 5
POLS& 200 Intro to Law ................................ 5
General Electives*** ..................................... 10

TOTAL CREDITS 90

*** Highly recommended as general electives: BUS& 101 as early as possible and BUS 215.

Special Opportunities for
UPPER DIVISION COURSES

UNIVERSITY OF WASHINGTON BOTHELL
(206) 527-3658 (NSCC Advising Services)

North and the University of Washington-Bothell offer dual enrollment for students pursuing a bachelor’s degree in business, computer science, or interdisciplinary studies. After earning their first 45 credits, students can apply for dual enrollment. Students complete their associate’s degree at NSCC while taking upper-level courses at UW-Bothell.

WESTERN WASHINGTON UNIVERSITY AT NORTH SEATTLE COMMUNITY COLLEGE
(206) 527-3719
www.wce.wwu.edu/Depts/TEOP/Seattle/Index.shtml/

Western Washington University’s Teacher Education Outreach Program offers the following evening programs at North Seattle Community College: Elementary Teacher Education, B.A.E., with Special Education major and Elementary Teacher Certification; Secondary Teacher Education, M.I.T. and Secondary Teacher Certification.

Degrees & Certificates in FINE ARTS

Arts, Humanities and ABE Division
(206) 527-3709

A Certificate of Fine Arts is offered in Art, Jewelry Design and Drama, and an Associate of Fine Arts degree is offered in Art and Music. Students must complete at least 15 college transfer level credits (numbered 100 or above) with a GPA 2.0 or better at North Seattle Community College.

Certificate of Fine Arts in Art

Candidates for the Certificate of Arts (C.F.A.) in the field of Art must complete a minimum of 85 credits in college transfer-level courses (numbered 100 and above) with a GPA of 2.0 or better. At least 15 of these credits must be taken at North. The C.F.A. certifies completion of approved work and is suitable for art professionals, but it is not a transfer or workforce certificate. Please see the Associate of Fine Arts degree for transfer information.

Art students are required to be advised by a full-time art faculty member. Some art courses are offered only once a year, so consultation is critical. Any course substitutions require approval. Faculty recommends two studio courses per quarter as maximum. Although it may be possible to
complete the C.F.A. in two years, more time is encouraged to better assimilate skills and allow for more flexible scheduling. Students must submit a portfolio of at least 8 pieces during their final quarter for final approval by faculty, in order to be granted the C.F.A.

Most General Education requirements are met by art course content (communication by ART 251, 252, 253; human relations by ART 290); however, students must take a 5-credit computation course.

REQUIRED ART COURSES
ART& 101 Design ....................................... 5
ART 102 3-D Design ................................... 5
ART 111 Drawing ........................................ 5
ART 112 Figure Drawing ................................ 5
ART 113 Figure Drawing ................................ 5
ART 251, 252, 253 Art History (5 ea.) ............ 15
ART 290 The Art Business ............................. 5
ART ELECTIVES (either group)* ....................... 4-5
ART Electives – group 1* ............................ 15
ART Electives – group 2* ........................... 12-15

GENERAL EDUCATION REQUIREMENT
Computation Course .................................. 5
Select from MATH& 107 or higher, BUS 116 or ACCT 110 or higher.

TOTAL CREDITS 76-80

*APPROVED ART ELECTIVES
Approved Art Electives must be taken in sequence; however, completion of a sequence is not required.

Group 1: 2-Dimensional Art
ART 110 Visualizing Science & Technology .......... 5
ART 114, 115 Digital Photography ..................... 5 ea.
ART 121, 122, 123 Printmaking .................... 5 ea.
ART 201, 203 Painting ................................ 5 ea.
ART 205, 206, 207 Watercolor ....................... 5 ea.
ART 210, 214 Computer Art .......................... 5 ea.

Group 2: 3-Dimensional Art
ART 211, 212, 213 Sculpture .......................... 5 ea.
ART 221, 222, 223 Ceramics .......................... 5 ea.
ART 281, 282, 283 Jewelry Design .................... 5 ea.
ART 285 Metal Techniques for Small-Scale Sculpture .... 5

Associate of Fine Arts Degree in Art (A.F.A.)
Candidates for the Associate of Fine Arts in Art must complete a minimum of 100 college transfer-level course credits (numbered 100 or above) with a GPA of 2.0 or higher. At least 15 credits must be earned at North Seattle Community College.

The A.F.A. degree does not currently transfer with the same transfer rights to area colleges as the A.A. degree does. However, it is accepted by The Evergreen State College and some other colleges. Students seeking a Bachelor of Arts or Bachelor of Fine Arts degree should consult North’s A.A. degree requirements, their art advisor, and the university to which they intend to transfer about equivalency requirements.

All A.F.A. students in art must have an art advisor to plan their program. All studio art courses must be taken in sequence. Not all courses are offered each quarter. Substitutions require approval.

Along with the art course requirements, the A.F.A. in Art has General Education requirements. During the final quarter students must submit a portfolio of at least 8 pieces for evaluation.

REQUIRED ART COURSES
ART 101 Design ....................................... 5
ART 102 3-D Design ................................... 5
ART 111 Drawing ........................................ 5
ART 112 Figure Drawing ................................ 5
ART 113 Figure Drawing ................................ 5
ART 251, 252, 253 Art History (5 ea.) ............ 15
ART 290 The Art Business ............................. 5
APPROVED ART ELECTIVES* ......................... 20-25

GENERAL EDUCATION REQUIREMENTS
ENGL& 101, 102 Composition (5 ea.) ............... 10
Computation course .................................. 5
Select from MATH& 107 or higher, BUS 116, BUS 152 or ACCT 110 or higher.
Visual, Literary & Performing Arts course (non-Art) .... 5
Individuals, Cultures & Societies course ............. 5
The Natural World course ............................ 5

TOTAL CREDITS 95-100

*APPROVED ART ELECTIVES
Approved Art Electives must be taken in sequence; however, completion of a sequence is not required.

Group 1: 2-Dimensional Art
ART 110 Visualizing Science & Technology .......... 5
ART 114, 115 Digital Photography ..................... 5 ea.
ART 121, 122, 123 Printmaking .................... 5 ea.
ART 201, 203 Painting ................................ 5 ea.
ART 205, 206, 207 Watercolor ....................... 5 ea.
ART 210, 214 Computer Art .......................... 5 ea.

Group 2: 3-Dimensional Art
ART 211, 212, 213 Sculpture .......................... 5 ea.
ART 221, 222, 223 Ceramics .......................... 5 ea.
ART 281, 282, 283 Jewelry Design .................... 5 ea.
ART 285 Metal Techniques for Small-Scale Sculpture .... 5

Courses with "&" are part of a new statewide common course numbering system. See page 325.
### Certificate in Jewelry Design (C.J.D.)

Candidates for the Certificate in Jewelry Design must complete 60 credits in college transfer-level (numbered 100 and above) courses with a GPA of 2.5 or better. The required jewelry design classes (25 credits) must be taken at North Seattle Community College. Upon completion of the required courses, a student must exhibit at an approved venue a solid body of work expressing their mastery of materials. Final approval and recommendation to award the CJD rests with the art faculty.

The Certificate in Jewelry Design certifies completion of approved work, and is suitable for students currently working in art, but it is not a transfer or workforce certificate. Students seeking a B.A. or B.F.A. should consult NSCC Associate of Arts degree requirements and the graduation requirements of the university to which they intend to transfer.

All CJD art students must plan their program with an art advisor. Some of the art courses are offered only once a year, so consultation is critical. This certificate is a 4-quarter program that can be completed in the following Summer Quarter. Substitution may be made only with the approval of the art advisor and the Dean of Arts, Humanities & ABE.

Most General Education requirements for this certificate are met by course content in various art courses: Communications by ART 251, 252, 253; Human Relations by CMST 210 or CMN 125 or CMST & 230 or 165; however, students must take a 5-credit computation course (ACCT 110 or above).

#### REQUIRED JEWELRY DESIGN COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ART 281 Jewelry Design I</td>
<td>5</td>
</tr>
<tr>
<td>ART 282 Jewelry Design II</td>
<td>5</td>
</tr>
<tr>
<td>ART 283 Intro to Alloying &amp; Casting</td>
<td>5</td>
</tr>
<tr>
<td>ART 284 Bench Techniques &amp; Practices</td>
<td>5</td>
</tr>
<tr>
<td>ART 285 Metal Techniques for Small Scale Sculpture</td>
<td>5</td>
</tr>
</tbody>
</table>

#### REQUIRED ART COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 251, 252, 253 Art History</td>
<td>5</td>
</tr>
<tr>
<td>ART 101 Design</td>
<td>5</td>
</tr>
<tr>
<td>ART 111 Drawing</td>
<td>5</td>
</tr>
<tr>
<td>ART 210 Computer Art</td>
<td>5</td>
</tr>
<tr>
<td>ART 290 The Art Business</td>
<td>5</td>
</tr>
</tbody>
</table>

#### GENERAL EDUCATION REQUIREMENTS

Communication course: Met by ART 251, 252, 253 above

Human Relations course: Select from CMST & 210 or 230

Computation course: Select ACCT 110 or above

#### TOTAL CREDITS

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>60</td>
</tr>
</tbody>
</table>

### Certificate in Fine Arts (C.F.A.) in Acting

Candidates for the Certificate in Fine Arts in Acting must have successfully completed 90 quarter hours in college transfer-level (numbered 100 and above) courses with a GPA of 2.0 or better. At least 30 credits must be earned at North Seattle Community College and the final quarter of enrollment must be at NSCC.

The Certificate in Fine Arts: Acting is not a transfer program, so students seeking a B.A. or B.F.A. in Drama should consult the degree requirements for the Associate of Arts degree at NSCC and the graduation requirements for the university at which they intend to enroll. C.F.A. students in drama must have a drama advisor so that they can plan their two-year program. Students who wish to receive this certificate must submit a portfolio of work and/or a special performance during their final quarter for evaluation by the drama faculty. The specific courses are to be planned with the drama advisor who will also review and recommend final certification. Substitutions may be made only with the approval of the drama advisor and Humanities Associate Dean.

General Education requirements of 5 credits each are met by communication, computation and human relations courses.

#### REQUIRED DRAMA COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRMA 121 Beginning Acting</td>
<td>5</td>
</tr>
<tr>
<td>DRMA 101 Intro to Theatre</td>
<td>5</td>
</tr>
<tr>
<td>DRMA 122, 123 Intermediate Acting</td>
<td>10</td>
</tr>
<tr>
<td>DRMA 221, 222, 223 Advanced Acting</td>
<td>15</td>
</tr>
<tr>
<td>DRMA 298 Portfolio or Public Performance</td>
<td>5</td>
</tr>
</tbody>
</table>

#### DRAMA-RELATED ELECTIVES

Select 20 credits from the Drama-related list below.

#### TECHNICAL THEATER ELECTIVES

Select 15 credits from Technical Theater list below.

#### GENERAL EDUCATION REQUIREMENTS

All General Education credits should be completed by 4th quarter.

Communication course: Select from CMST & 101, 220, 230 (5 ea.)

Computation course: Select from MATH & 107, BUS 116 or ACCT 110 (5 ea.) or MATH 110 (3 credits)

Human Relations course: Select from PSYC 245, SOC 102 or PSYC & 100 (5 ea.)

#### TOTAL CREDITS

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>90</td>
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</table>

#### DRAMA-RELATED ELECTIVES

Choose 20 credits from

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART &amp; 100</td>
<td>5</td>
</tr>
<tr>
<td>ART 251, 252, 253</td>
<td>5 ea.</td>
</tr>
<tr>
<td>DRMA 116</td>
<td>4</td>
</tr>
<tr>
<td>DRMA 108, 109, 110, 200, 201, 202, 271, 272, 273, 291, 292, 293, 298, .. variable 2-5</td>
<td></td>
</tr>
<tr>
<td>ENGL &amp; 112, 224, 225, 226, 227, 228, 244, 245, 246 .. 5 ea.</td>
<td></td>
</tr>
<tr>
<td>ENGL 258</td>
<td>5</td>
</tr>
</tbody>
</table>
HUM 104, 110, 200 .................................................. 5 ea.
MUSC 100 .......................................................... 5
MUSC 121, 122, 123, 126, 127, 128 ..................... 2 ea.
MUSC 140 ......................................................... variable 1-5

TECHNICAL THEATER ELECTIVES
To be taken for 2-5 credits each, in at least 3 different quarters. Students should arrange their credit needs before enrolling.
DRMA 211, 224, 231, 241, 251, 261 ................... variable 2-5

ASSOCIATE OF FINE ARTS IN MUSIC (A.F.A. Degree)
Candidates for the Associate of Fine Arts in Music must complete at least 92 credits in college transfer-level courses (numbered 100 and above) with a GPA of 2.0 or higher. At least 15 credits must be earned at North Seattle Community College.
The A.F.A. in Music is a degree that not only allows music majors to obtain required transfer courses, but also rewards successful students for their work at North. The A.F.A. is not universally recognized as a transfer degree like the A.A. degree, but all courses are currently transferable. Students seeking a Bachelor of Arts degree with a music major should consult both the Seattle Community Colleges A.A. degree requirements and those of the university to which they intend to transfer. All A.F.A. in Music candidates must have a music advisor. During the final quarter students must present a special performance/project/recital for evaluation by the music faculty.

REQUIRED MUSIC COURSES
MUSC& 141 Music Theory I .................................. 5
MUSC& 142 Music Theory II .................................. 5
MUSC& 143 Music Theory III .................................. 5
MUSC 123, 221, 222, 223* (2 ea.) ..................... 8
MUSC& 231, 232, 233 Music Theory IV, V, VI** (3 ea.) ...... 9
MUSC 299 Practicum in Music ............................. 1
Piano Class* ..................................................... 4
Performance Group*** ........................................... 12-30
Applied Music ................................................... 5-10
Related Elective ................................................... 5

GENERAL EDUCATION ELECTIVES
Computation course .......................................... 3-5
Visual, Literary & Performing Arts course ............ 5
Suggested course: DRA 121 Acting
Individuals, Cultures & Societies course .......... 5
The Natural World .............................................. 5
U.S. Cultures or Global Studies ...................... 5

TOTAL CREDITS 92-117

* Piano proficiency required; if proficient, may substitute vocal or instrumental classes; choose MUSC 126, 127, 128 or MUSC 221, 222, 223.
** Currently this requirement is met by MUS 130 and 299. See advisor for information.
*** Majors are urged to participate in more than one performance group for added ensemble experience.

ADULT BASIC EDUCATION ESL
Arts, Humanities & Adult Basic Education Division
(206) 527-3709

ADULT BASIC EDUCATION
(206) 527-7303
Adult Basic Education (ABE) provides instruction for those who want to improve basic English and math skills or earn a GED in order to get better jobs, continue their education, and improve their lives.
Students must attend an orientation session and meet with the adult education advisor to enroll and to receive details. See course descriptions under Adult Basic Education for details and call the office for fees.
To take ABE classes, a student must be a U.S. citizen, have permanent resident status, or have a green card. Students with different visa status, for example B2, F2, or J2, should visit the Office of International Students Programs in room CC 2357, or call (206) 527-3672.
Each of the programs in this area is designed to meet a particular set of student needs.
See page 11 for further information.

PRE-COLLEGE COURSES
(206) 527-7303
Many students entering college or returning after some time need additional work to prepare for college courses. The Seattle Community Colleges offer a series of courses in English, mathematics and human development. Placement is determined by performance on entrance tests required for admission to the specific college program. Courses in this category are those numbered below 100. Look in the course description sections for English, mathematics and human development.

Courses with * & are part of a new statewide common course numbering system. See page 325.
ENGLISH AS A SECOND LANGUAGE
(206) 527-7303
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, to get, keep or advance in a job, continue their educational goals, or increase their understanding of American culture.

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. Contact the ESL advisor or Testing Office for placement test information and fees. Contact the ESL advisor or the Admissions/Registration Office to begin classes.

Classes for international students are also available. See page 22.

CAREERS
3 | PROFESSIONAL-TECHNICAL PROGRAMS
See pages 94–120 for this list of programs at North.

CONTINUING EDUCATION CLASSES
(Non-credit and non-graded classes)
(206) 527-3705
www.learnatnorth.org
Continuing Education classes are non-credit and non-graded. 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, computer classes (ranging from entry-level to Cisco, Web Designer and .net applications), personal finance, music and drama, photography, travel, and sports and exercise. In addition to classes, North’s Continuing Education sponsors monthly business networking breakfasts.

For more information and a full class listing, visit us online.

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.

5 | E-LEARNING/ DISTANCE LEARNING
(206) 527-3738
www.virtualcollege.org
North offers some credit courses that require fewer (if any) campus visits. Online classes are designed so students can keep in close contact with their instructors using virtual bulletin boards, discussion rooms and/or email. Hybrid courses blend on-campus and “virtual” classroom instruction, saving travel time and expense. Student/teacher ratios in these classes are the same as classes held on campus. All distance learning classes transfer the same as on-campus credit classes. Students can earn an A.A. degree completely online or with many fewer campus visits.

See page 16 for complete information on all distance learning options.
North offers several options for high school students who would like to begin college classes during high school, and other options for those who have not completed high school.

**HIGH SCHOOL/COLLEGE LINKS**

**Running Start**  
(206) 527-3682  
http://www.runstart.northseattle.edu  
The Running Start program gives academically motivated 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-level courses for high school and college credit at the same time.  
See page 19 for more detail.

**TechPrep**  
(206) 903-3222  
Students earn college credit while in high school and start their careers in fields such as accounting, business communications, Cisco programs, computer applications, information technology, marketing, medical assisting, drafting and many others. High school courses counted as college credit allow students to earn an Associate of Applied Science degree or industry-specific certificate faster. Tech Prep is tuition-free.  
See page 19 for more detail.

**Upward Bound**  
(206) 527-3691  
http://webshares.northseattle.edu/upwardbound/  
Upward Bound, a program funded by the Department of Education, provides high school students with services that support better academic performance during high school and prepares them for college admissions. The program serves potential first generation college students and students from low-income households from four area high schools: Franklin, Roosevelt, Summit K-12 and Indian Heritage Middle College.  
Upward Bound offers support to its program participants throughout the year. Academic year services include after-school sessions, tutoring, academic advising, college preparation, field trips and cultural events. In the summer, students gather on the North campus for seven weeks of academic classes and activities to simulate the experience of college.  
See page 20 for more detail.

**Career Link Academy**  
(206) 528-4517  
Career Link Academy at North is closing as of June 30, 2008. See page 19 for programs on other campuses.

**GED PREPARATION**  
Arts, Humanities & Adult Basic Education Division  
(206) 527-7303  
The General Educational Development (GED) is a certificate of successful completion of the five-part GED test (reading, writing, social studies, science, and math). It is an equivalent of a high school education and is usually accepted in place of a diploma. The GED Preparation program prepares adult students 18 and older to take the exams. Students review reading, math, grammar, writing, and test-taking. These classes stress math for practical problem-solving, English usage, and reading comprehension and test-taking skills.  
**PREREQUISITE:** Placement by orientation coordinator or instructor permission.  
GED 050  GED Test Preparation  
GED 051  GED Math  
GED 060  Advanced GED Preparation  
GED 061  Advanced GED Math  
See page 20 for additional information.

**HIGH SCHOOL COMPLETION**  
Arts, Humanities & Adult Basic Education Division  
(206) 527-7303  
www.northseattle.edu/programs/prep/highschl.htm  
High School Completion offers students 19 years of age and older who have not completed work for a high school diploma, the opportunity to earn a diploma by taking specific courses at North and the other Seattle Community Colleges for high school credit. Students still need to meet their WASL requirements for graduation.  
See page 21 for details on two options for high school completion.
North Seattle Community College serves over 400 students from 50 countries who study in North’s International ESL, career training or college transfer programs. Many are also active in campus activities and organizations. New students must take either the ESL Placement Test or the COMPASS (college level) Test before starting school. Students who take the TOEFL test must have scores sent directly to North.

A three-day orientation program helps students begin a successful academic experience. The International Programs office is dedicated to helping students succeed in their studies and adjust to life in Seattle, offering assistance with admissions, academic and immigration advising, scholarships and housing.

Students study at different levels based on their English proficiency. Quarterly classes develop skills in conversation, listening, reading, writing, grammar, study skills, note-taking, vocabulary, and American culture. Advanced students may take regular college classes. Successful completion of the IESL program enables those who plan to become North Seattle Community College students to enter one of the college’s academic or technical programs.

See pages 22–23 for more information.

TRAVEL/STUDY ABROAD

(206) 587-3806

See page 23 for information on district-wide Travel/Study Abroad courses.

The Worker Retraining program offers a variety of services to 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 economic downturns. It also serves vulnerable workers - those individuals who are currently working and meet 2 or 3 following criteria:

- Their job is “not in demand”
- They do not have a degree or certificate of 45 credits
- They must upgrade their skills in order to remain employed in their current job

To get started on a new career, interested individuals should attend a Worker Retraining orientation session. Worker Retraining helps recipients to gain new skills in order to return to the workforce in competitive wage jobs. Services may include:

- Tuition assistance (subject to income guidelines and availability of funds)
- Help with applying for other funding such as Workforce Investment Act (WIA), Food Stamp Employment and Training Program, or regular financial aid
- Educational planning
- Interest assessment
- Career advising/counseling
- Job search skills
- Internships
- Job placement

Visit www.northseattle.edu/wrp or see page 24 for additional information on the Worker Retraining Program.
North Seattle Community College offers more than 40 degrees and certificates in workforce education areas. The programs (varying in length from one to seven quarters) are designed to prepare students for careers and/or to expand skills in their career area. North Seattle Community College, including these programs, is accredited by the Northwest Commission of Colleges and Universities.

ACCOUNTING

Business, Engineering, & 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. It leads to an accounting certificate or associate’s degree and prepares graduates for employment in the industry. It is recommended that three-quarter accounting sequences (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

ACCT 110 Intro to Accounting/Bookkeeping I ........... 5
ACCT 131 QuickBooks ........................................... 5
ACCT& 201 Principles of Accounting I ................. 5
ACCT& 202 Principles of Accounting II ................. 5
ACCT 250 Accounting Capstone Course ............... 5
ACCT& 203 Principles of Accounting III ............... 5
ACCT 255 Federal Income Tax I ....................... 5
ACCT 257 Business Tax Accounting .................... 5
ACCT 260 Peachtree Accounting ....................... 5
ACCT 261 Advanced Computerized Accounting .......... 5
ACCT 265 Accounting for Not-For-Profit & Governmental Entities .......... 5

RELATED INSTRUCTION

BUS 124 Excel for Business ............................ 5
BUS 131 Integrated Communications I .................. 5
BUS 169 Using Computers in Business ................. 5
POLS& 200 Intro to Law .................................... 5
BUS 210 Business & Economic Statistics ............. 5
BUS 236 Interpersonal Communications in the Workplace .......... 5
CWE 110 Internship ........................................ 3

GENERAL EDUCATION COURSES

Electives * ................................................ 10

* Must be selected from approved list of General Education courses; 5 credits U.S. Cultures or Global Studies and 5 from remaining areas. Recommended: ECON& 201 or ECON& 202.

TOTAL CREDITS 98

Accounting Paraprofessional

This program prepares graduates for bookkeeping careers and general office employment. Normally completed in four quarters, the curriculum includes critical thinking, values, and cultural understanding. Courses outside accounting support skills and knowledge used in accounting and general office fields.

Certificate

TECHNICAL SPECIALTY COURSES

ACCT 110 Intro to Accounting/Bookkeeping I ........... 5
ACCT 120 Intro to Accounting/Bookkeeping II .......... 5
ACCT 130 Intro to Accounting/Bookkeeping III .......... 5
ACCT 131 QuickBooks ........................................... 5
ACCT 255 Federal Income Tax I ....................... 5
ACCT 257 Business Tax Accounting .................... 5

RELATED INSTRUCTION

BUS 115 Computational Skillbuilding .................. 2
BUS 116 Business Math/Spreadsheets ................. 5
BUS 124 Excel for Business ............................ 5
BUS 131 Integrated Communications I .................. 5
BUS 169 Using Computers in Business ** ............. 5
BUS 236 Interpersonal Communications for the Workplace ** .......... 5
CWE 110 Internship ........................................ 3

* IT 101 may be substituted for BUS 169
** BUS 235 may be substituted for BUS 236.

TOTAL CREDITS 60

Courses with * & * are part of a new statewide common course numbering system. See page 325.
Certificate of Accountancy

This program is designed for those students who already have a four-year degree and who want to meet the educational requirements to take the Certified Public Accounting (CPA) Examination.

Certificate

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT&amp; 201</td>
<td>Principles of Accounting I</td>
<td>5</td>
</tr>
<tr>
<td>ACCT&amp; 202</td>
<td>Principles of Accounting II</td>
<td>5</td>
</tr>
<tr>
<td>ACCT&amp; 203</td>
<td>Principles of Accounting III</td>
<td>5</td>
</tr>
<tr>
<td>ACCT 251</td>
<td>Intermediate Accounting I</td>
<td>5</td>
</tr>
<tr>
<td>ACCT 252</td>
<td>Intermediate Accounting II</td>
<td>5</td>
</tr>
<tr>
<td>ACCT 265</td>
<td>Accounting for Not-For-Profit &amp; Governmental Entities</td>
<td>5</td>
</tr>
<tr>
<td>ACCT 270</td>
<td>Cost Accounting</td>
<td>5</td>
</tr>
<tr>
<td>ACCT 275</td>
<td>Auditing</td>
<td>5</td>
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</tbody>
</table>

TOTAL CREDITS 40

Computerized Accounting Technology

This certificate is a four-quarter program that provides computerized accounting skills using state-of-the-art accounting software. The program bridges the gap between manual and computerized accounting systems in basic, mid-range, and sophisticated accounting systems. It provides graduates with viable entry and/or advancement in the accounting job market with large and small organizations.

Certificate

REQUIRED COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 110</td>
<td>Intro to Accounting/Bookkeeping I</td>
<td>5</td>
</tr>
<tr>
<td>ACCT 120</td>
<td>Intro to Accounting/Bookkeeping II</td>
<td>5</td>
</tr>
<tr>
<td>ACCT 130</td>
<td>Intro to Accounting/Bookkeeping III</td>
<td>5</td>
</tr>
<tr>
<td>ACCT 131</td>
<td>QuickBooks</td>
<td>5</td>
</tr>
<tr>
<td>ACCT 257</td>
<td>Business Tax Accounting</td>
<td>5</td>
</tr>
<tr>
<td>ACCT 260</td>
<td>Peachtree Accounting</td>
<td>5</td>
</tr>
<tr>
<td>ACCT 261</td>
<td>Advanced Computerized Accounting</td>
<td>5</td>
</tr>
<tr>
<td>ACCT 265</td>
<td>Accounting for Not-For-Profit &amp; Governmental Entities</td>
<td>5</td>
</tr>
<tr>
<td>BUS 115</td>
<td>Computational Skillbuilding</td>
<td>2</td>
</tr>
<tr>
<td>BUS 124</td>
<td>Excel for Business</td>
<td>5</td>
</tr>
<tr>
<td>BUS 169</td>
<td>Using Computers in Business</td>
<td>5</td>
</tr>
<tr>
<td>BUS 236</td>
<td>Interpersonal Communications in the Workplace</td>
<td>5</td>
</tr>
<tr>
<td>CWE 110</td>
<td>Internship</td>
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<tr>
<td>ENGL&amp; 230</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

* ACCT 262 may be substituted for ACCT 261.
** IT 101 may be substituted for BUS 169.

TOTAL CREDITS 63

ALLIED HEALTH SCIENCES

Health & Human Services 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 (listed in alphabetical order in this program section).

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

DEGREE CRITERIA INCLUDE:

1. A NSCC health occupation certificate with a minimum 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 or related instruction.
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. Minimum 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, which 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.

For more information on health care programs, see www.seattlecolleges.com/healthcare.
ARCHITECTURAL ENGINEERING DRAFTING

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

This program prepares students for a growing number of entry-level jobs in engineering, construction firms, and public agencies in the construction and design industry. Students learn both computer and conventional hand drafting, 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 General Education requirements provide a well-rounded educational experience.

Certificate

TECHNICAL SPECIALTY COURSES
TDR  109  Architectural Engineering Drafting Lab * .......... 3
TDR  111  Basic CAD Drafting for Construction & Design .................. 5
TDR  112  Intermediate CAD Drafting for Construction & Design .............. 5
TDR  113  Basic Drafting . .................................. 5
TDR  115  Civil & Site Drafting . .................................. 5
TDR  124  Materials & Methods of Construction . ........................ 5
TDR  134  Systems in Buildings .................. 5
TDR  144  Design & Construction Environment .......... 5

RELATED INSTRUCTION
BUS  236  Interpersonal Communication in the Workplace ** .................. 5
ENGL  101  English Composition I *** .................. 5
EET  109 or MATH 102 or higher ........................ 5

* May be repeated each quarter.
** May be substituted by any 100-level approved human relations course.
*** May be substituted with 3 credits ENGL 105 & 5 credits Gen. Ed.

TOTAL CREDITS 53

Associate of Applied Science Degree (A.A.S.)
Completion of Certificate Requirements .......................... 53

TECHNICAL SPECIALTY COURSES
TDR  109  Architectural Engineering Drafting Lab * .......... 2
TDR  160  Applied Mechanics I .......................... 5
TDR  161  Applied Mechanics II .......................... 5
TDR  258  Contract Drawing Preparation I .......................... 5
TDR  259  Contract Drawing Preparation II .......................... 5
TDR  269  Construction Estimating .......................... 5
IT Computer Skill Classes ** .................. 5

* May be repeated each quarter.
** A minimum of 5 credits in computer skill classes required.

TOTAL CREDITS 93

COMMUNICATIONS COURSES
ENGL  230  Technical Writing .......................... 3

GENERAL EDUCATION COURSES
Select 5 credits from approved General Education categories. See the Advising Center.

TOTAL CREDITS 93

Certificate (evening program)

TECHNICAL SPECIALTY COURSES
TDR  113  Basic Drafting .................. 5
TDR  124  Materials & Methods of Construction .................. 5
TDR  134  Systems in Buildings .................. 5
TDR  144  Design & Construction Environment .......... 5
TDR  174  Intro to CAD for Architectural & Engineering Drafting .............. 4
TDR  175  Intermediate CAD for Engineers & Architects .......... 4
TDR  176  Engineering Drafting .................. 4

GENERAL EDUCATION COURSES
ENGL  101  English Composition I .................. 5
EET  109 or MATH 102 or higher ........................ 5
Electives ........................................ 5

Contact the Advising Center for acceptable courses.

TOTAL CREDITS 47

BIOMEDICAL EQUIPMENT TECHNOLOGY

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

Biomedical Equipment Technology is a two-year program with core electronics classes and medical background including anatomy and physiology, hospital computer and specialized training procedures, and biomedical equipment. The program concludes with a one-quarter externship with students placed in a hospital or medical manufacturer for work experience.

Associate of Applied Science Degree

TECHNICAL SPECIALTY COURSES
AH  100  Intro to Medical Vocabulary .................. 3
BIOL  128  Survey of Anatomy & Physiology .................. 5
CHEM  121  Intro to Organic Chemistry .................. 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  114  Applied Physics .................. 5
EET  117  Electronic Devices .................. 4
EET  118  Electronics Devices Lab .................. 4

Courses with * & ** are part of a new statewide common course numbering system. See page 325.
Courses with “&” are part of a new statewide common course numbering system. See page 325.

### Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>EET 127</td>
<td>Intro. to Digital &amp; Analog Circuits *</td>
<td>4</td>
</tr>
<tr>
<td>EET 128</td>
<td>Intro. to Digital &amp; Analog Circuits Lab *</td>
<td>4</td>
</tr>
<tr>
<td>IT 120</td>
<td>Network Essentials - Comptia Network</td>
<td>5</td>
</tr>
<tr>
<td>EET 135</td>
<td>Intro to Broadband</td>
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<tr>
<td>IT 138</td>
<td>Unix for Network Administrators</td>
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<tr>
<td>EET 112</td>
<td>Fundamentals of Fluid Power &amp; Electromechanical Systems *</td>
<td>6</td>
</tr>
<tr>
<td>EET 207</td>
<td>Advanced Principles of Electronics *</td>
<td>4</td>
</tr>
<tr>
<td>EET 208</td>
<td>Advanced Principles of Electronics Lab *</td>
<td>4</td>
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<tr>
<td>EET 217</td>
<td>Digital &amp; Analog Circuits II *</td>
<td>4</td>
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<td>Digital &amp; Analog Circuits II, Lab *</td>
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<td>EET 251</td>
<td>Microprocessor Fundamentals I</td>
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<td>EET 286</td>
<td>BMET I</td>
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<td>EET 287</td>
<td>BMET II</td>
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<td>EET 297</td>
<td>BMET Externship</td>
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### Related Instruction

<table>
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<tr>
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<tr>
<td>BUS 236</td>
<td>Interpersonal Communication for the Workplace *</td>
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<tr>
<td>EET 131</td>
<td>IT Essentials I - A+ Certification</td>
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<tr>
<td>ENGL&amp; 101</td>
<td>English Composition I ***</td>
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<td>General Education Requirement **</td>
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</table>

** TOTAL CREDITS 117-121 **
* This course has acceptable substitutes. See Advising Center.
** Courses must be chosen from approved list. See Advising Center.
*** While students must test into ENGL 093 to start the degree, they must complete ENGL& 101 to finish.

### Business

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

The Business programs prepare students for the workplace demands of the local community and the economic challenges of the global marketplace. Day and evening programs offer a number of college transfer business courses, information technology and highly technical courses. Areas of specialization include management, professional office support, customer service, e-business, information technology support, international business and trade, along with development of interpersonal skills.

### General Business

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

#### Technical Specialty Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT&amp; 201</td>
<td>Principles of Accounting I</td>
</tr>
<tr>
<td>ACCT&amp; 202</td>
<td>Principles of Accounting II</td>
</tr>
<tr>
<td>BUS&amp; 101</td>
<td>Intro to Business</td>
</tr>
<tr>
<td>BUS 112</td>
<td>Multicultural Issues in the American Workplace</td>
</tr>
<tr>
<td>BUS 114</td>
<td>Intro to Marketing</td>
</tr>
<tr>
<td>BUS 131</td>
<td>Integrated Communications I *</td>
</tr>
<tr>
<td>BUS 169</td>
<td>Using Computers in Business I</td>
</tr>
<tr>
<td>POLS&amp; 200</td>
<td>Intro to Law **</td>
</tr>
<tr>
<td>BUS&amp; 205</td>
<td>Human Resource Management</td>
</tr>
<tr>
<td>BUS 210</td>
<td>Business &amp; Economic Statistics</td>
</tr>
<tr>
<td>BUS 215</td>
<td>Intro to International Business</td>
</tr>
<tr>
<td>BUS 216</td>
<td>Professional Development</td>
</tr>
<tr>
<td>BUS 230</td>
<td>Business Communications</td>
</tr>
<tr>
<td>BUS 236</td>
<td>Interpersonal Communication for the Workplace</td>
</tr>
</tbody>
</table>
* Eligible for ENGL& 101 through English placement exam or completion of ENGL 097/098.
** POLS& 200 transfers to the University of Washington.

#### General Education Courses

10 credits from the following two lists:

**A** List: ACCT 131, BUS 124, 125, 156, 182, 269, IT 111

**B** List: ACCT& 203, ACCT 255, BUS 116, 197, 299, ECON& 201, 202,

#### Electives

Select 10 credits from an approved list.

**TOTAL CREDITS 90 **

### Administrative Assistant

This 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>BUS 106</td>
<td>Keyboarding/Skillbuilding *</td>
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<tr>
<td>BUS 112</td>
<td>Multicultural Issues in the American Workplace</td>
</tr>
<tr>
<td>BUS 116</td>
<td>Business Math/Spreadsheets</td>
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<tr>
<td>BUS 117</td>
<td>Records Management</td>
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<td>BUS 123</td>
<td>Word for Business</td>
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<td>BUS 124</td>
<td>Excel for Business</td>
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<td>BUS 125</td>
<td>Access for Business</td>
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<tr>
<td>BUS 126</td>
<td>PowerPoint for Business</td>
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<tr>
<td>BUS 127</td>
<td>Outlook for Business</td>
</tr>
</tbody>
</table>
Customer Service

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

Certificate

TECHNICAL SPECIALTY COURSES
BUS 106 Keyboarding/Skillbuilding * ..................... 3
BUS 112 Multicultural Issues in the American Workplace .................................. 5
BUS 116 Business Math/Spreadsheets. ................ 5
BUS 117 Records Management .................................. 2
BUS 123 Word for Business .................................. 5
BUS 124 Excel for Business .................................. 5
BUS 125 Access for Business .................................. 5
BUS 126 PowerPoint for Business ......................... 2-3
BUS 127 Outlook for Business .............................. 5
BUS 131 Integrated Communications I ** ............ 5
BUS 230 Business Communications .......................... 5
BUS 140 Customer Relations .................................. 5
BUS 216 Professional Development ....................... 5
BUS 270 Integrated Office Applications ..................... 5
CWE 110 Internship ............................................. 3
* Prereq: BUS 105, concurrent enrollment in BUS 106, or 25 wpm accurate keyboarding. May be repeated twice to build speed.
** Eligible for ENGL& 101 through English Placement Exam or completion of ENGL 097/098.

TOTAL CREDITS 21

Advanced Customer Service

Certificate

TECHNICAL SPECIALTY COURSES
BUS 106 Keyboarding/Skillbuilding * ..................... 3
BUS 112 Multicultural Issues in the American Workplace .................................. 5
BUS 123 Word for Business .................................. 5
BUS 124 Excel for Business .................................. 5
-OR-
BUS 125 Access for Business .................................. 5
BUS 131 Integrated Communications I ** ............ 5
BUS 140 Customer Relations .................................. 5
BUS 169 Using Computers in Business I .................. 5
BUS 230 Business Communications .......................... 5
CWE 110 Internship ............................................. 3
* Prereq: BUS 105, concurrent enrollment in BUS 106, or 25 wpm accurate keyboarding. May be repeated twice to build speed.
** Eligible for ENGL& 101 through English Placement Exam or completion of ENGL 097/098.

TOTAL CREDITS 41

BUS 131 Integrated Communications I ** ............ 5
BUS 140 Customer Relations .................................. 5
BUS 169 Using Computers in Business I .................. 5
CWE 110 Internship ............................................. 3

TOTAL CREDITS 92-93

Customer Service

Customer Service certificates combine office support training in communications, customer relations, information technology, skill-building, and on-the-job work experience 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
CWE 110 Internship ............................................. 3

TOTAL CREDITS 21

Advanced Customer Service

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 230 Business Communications .......................... 5
CWE 110 Internship ............................................. 3

TOTAL CREDITS 41

BUS 131 Integrated Communications I ** ............ 5
BUS 140 Customer Relations .................................. 5
BUS 169 Using Computers in Business I .................. 5
CWE 110 Internship ............................................. 3

TOTAL CREDITS 92-93

Courses with ‘&’ are part of a new statewide common course numbering system. See page 325.
Legal Administrative Assistant
A Legal Administrative Assistant prepares correspondence and legal papers such as summons, complaints, motions, responses, subpoenas, pleadings and documents and forms used in litigation.

Certificate
TECHNICAL SPECIALTY COURSES
BUS 116 Business Math .................................. 5
BUS 131 Integrated Communications ................ 5
BUS 147 Intro to Legal Systems .......................... 5
BUS 169 Using Computers in Business ................. 5
POLS& 200 Intro to Law .................................. 5
BUS 207 Intro to Legal Resources & Office Procedures 5
BUS 236 Interpersonal Communications for the Workplace .................................. 5
BUS 255 Business Ethics ................................ 5
CWE 101 Portfolio, Job Search & Interviewing ........ 2
CWE 110 Internship ....................................... 3
TOTAL CREDITS 45

Retail Management
The 10-course Retail Management Certificate prepares individuals to manage a variety of retail sales operations or lines of merchandise & shows the scope of careers in retail management. It serves both entry-level job candidates & incumbent employees, covering communication, business math, human relations, microcomputer applications, marketing & management skills. On completion, students receive a Retail Management Certificate, which may also show the Washington State Retail Management Consortium (WAFC) endorsement.

Certificate
TECHNICAL SPECIALTY COURSES
ACCT 110 Intro to Accounting/Bookkeeping I ........... 5
BUS 114 Intro to Marketing ................................ 5
BUS 169 Using Computers in Business ................. 5
-OR-
IT 101 Software Applications ............................. 5
BUS 201 Human Resource Management ................. 5
BUS 236 Interpersonal Communications for the Workplace .................................. 5
BMT 140 Management Skills * ........................... 5
BMT 213 Retailing * ....................................... 5
RELATIONED INSTRUCTION
BUS 116 Business Math/Spreadsheets ................. 5
BUS 119 Leadership & Management Skills ............ 3
BUS 230 Business Communication ..................... 5
TOTAL CREDITS 48

* BMT 140 & BMT 213 are offered online by Skagit Valley College.

COMMUNICATION, BUSINESS AND MEDIA
Business, Engineering, & Information Technologies Division
(206) 527-3730
The CB&M program combines Business (a professional-technical program) and Communication (a transfer program) to create a unique professional career program.

Certificate
TECHNICAL SPECIALTY COURSES
BUS 114 Intro to Marketing .............................. 5
BUS 210 Business & Economic Statistics+ .............. 5
CMST 195 Media Management & Operations .......... 5
CMST 255 Writing for Organizations & the Media * 5
BUS 112 Multicultural Issues in the American Workplace .................................. 5
-OR-
CMST 265 Media Relations & Ethics * ................. 5
BUS 156 Intro to E-Business & Commerce ............ 5
-OR-
CMST 235 Media Research, Marketing, & Sales * 5
BUS 229 Project Management ........................... 5
-OR-
CMST 290 Media Project Management Practicum * 5
BUS 236 Interpersonal Communication for the Workplace .................................. 5
-OR-
CMST 220 Public Speaking ................................ 5
-OR-
CMST 275 Online Communication * ...................... 5
CMST 291 Internet & Print Practicum * ............... 5
-OR-
CMST 292 Radio & Audio Practicum .................... 5
-OR-
CMST 293 Television & Video Practicum * ............ 5
-OR-
CMST 294 News & Public Information Practicum * 5
Optional Internship & Certificate Portfolio ** ........... 5
TOTAL CREDITS 45-50

* Consult with advisor on individual course prereqs or individual advanced student status.

** By permission and arrangement: BUS 197, CMST 295 or CWE 100

Courses with "&" are part of a new statewide common course numbering system. See page 325.
CULINARY ARTS/ HOSPITALITY/FOOD SERVICE

North Seattle Community College’s Culinary Arts program is no longer accepting new students. We encourage prospective students to look into the extensive culinary arts programs, certificates and Associate of Arts degrees offered by Seattle Central Community College and South Seattle Community College, both of which are part of the Seattle Community Colleges.

EARLY CHILDHOOD EDUCATION

Health & Human Services Division
(206) 527-3783

North offers two certificates and an Associate of Applied Science degree in early childhood education. 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 nanny.

Early Childhood Education
Assistant Certificate

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCE 160</td>
<td>Connecting to Children (2-credit modules):</td>
<td>8</td>
</tr>
<tr>
<td>D1</td>
<td>Expressing Warmth to Children</td>
<td>2</td>
</tr>
<tr>
<td>D2</td>
<td>Playing Responsively</td>
<td>2</td>
</tr>
<tr>
<td>D3</td>
<td>Talking Informatively</td>
<td>2</td>
</tr>
<tr>
<td>D4</td>
<td>Initiative, Cooperation, Perseverance</td>
<td>2</td>
</tr>
</tbody>
</table>

TOTAL CREDITS 8

Certificate

REQUIRED COURSES

<table>
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<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>CCE 160C</td>
<td>Connecting to Children:</td>
<td>6</td>
</tr>
<tr>
<td>D1</td>
<td>Expressing Warmth to Children</td>
<td>2</td>
</tr>
<tr>
<td>D2</td>
<td>Playing Responsively</td>
<td>2</td>
</tr>
<tr>
<td>D3</td>
<td>Talking Informatively</td>
<td>2</td>
</tr>
<tr>
<td>D4</td>
<td>Initiative, Cooperation, Perseverance</td>
<td>2</td>
</tr>
<tr>
<td>CCE 125</td>
<td>Program Planning</td>
<td>5</td>
</tr>
<tr>
<td>CCE 170</td>
<td>Creating the Conditions for Learning (from C1 to C8)</td>
<td>6</td>
</tr>
<tr>
<td>CCE 145</td>
<td>Music &amp; Creative Expression</td>
<td>3-4</td>
</tr>
<tr>
<td>CCE 170</td>
<td>Creating the Conditions for Learning (C9 &amp; C10)</td>
<td>4</td>
</tr>
<tr>
<td>CCE 165</td>
<td>Understanding literacy</td>
<td>3</td>
</tr>
<tr>
<td>CCE 170</td>
<td>Creating the Conditions for Learning (C11 &amp; C12)</td>
<td>4</td>
</tr>
</tbody>
</table>

TOTAL CREDITS 95

* Must be eligible for ENGL& 101 through English Placement Exam or complete ENGL 097/098.
** Consult advisor regarding individual course prereqs. or individual advanced student status.
*** Take 10 credits not already taken from this list: CMST 291, 292, 293, 294. + BUS 210 prerequisite: MATH 098, or MATH 116.
++ Select from approved list. See Advisor.
Courses with “&” are part of a new statewide common course numbering system. See page 325.

**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

For individual module listing of C1-C18, see below.

### 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 240** Multicultural Dialogues .................................. 3

**CCE 285** The Project Approach ..................................... 5

**TOTAL CREDITS** 32-37

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

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

- Communication (written or oral) ........................................ 5
- Computation/Quantitative Reasoning ................................ 5
- U.S. Cultures or Global Studies ........................................ 5
- Visual, Literary, Performing Arts or Natural World ........... 5

### 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 292** Classroom Research .................................. 12

**REQUIRED COURSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit(s)</th>
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<tbody>
<tr>
<td>CCE 102</td>
<td>Issues &amp; Trends in Early Childhood Education</td>
</tr>
<tr>
<td>EDUC &amp; 203</td>
<td>Exceptional Child</td>
</tr>
<tr>
<td>CCE 125</td>
<td>Program Planning</td>
</tr>
<tr>
<td>CCE 135</td>
<td>Foundations of Early Learning</td>
</tr>
<tr>
<td>CCE 166</td>
<td>Cultivating Conversation</td>
</tr>
<tr>
<td>CCE 159</td>
<td>Behavior Management</td>
</tr>
<tr>
<td>CCE 232</td>
<td>Parent Involvement</td>
</tr>
<tr>
<td>CCE 234</td>
<td>Staff Relationships</td>
</tr>
</tbody>
</table>

* Human Relations included in these required courses.

### ELECTIVE COURSES
Select a minimum of 20 credits from the following:

#### (2-credit modules)

**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 292** Classroom Research .................................. 12

**TOTAL CREDITS** 90 - 116

**Modular Equivalents:**
- **CCE 12** = **C11 & C12**
- **CCE 175** = **C13 & C14**
- **CCE 185** = **C15 & C16**
- **CCE 195** = **C17 & C18**
ELECTRONICS
Business, Engineering, & Information Technologies Division
(206) 527-3730

Electronics and associated technologies 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. 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, Electronic Telecommunications, Electronics Engineering Technology, Electronics Technology*, Electronics Technology Certificate*, Industrial Power & Control Technology, and Industrial Power & Control Technology Certificate.

* Students interested in Electronics Technology should contact the program advisor at (206) 528-4588, or the Advising Center at (206) 527-3658 before enrolling. Courses and programs are transferable to certain four-year institutions.

Broadband Cable
This certificate program prepares students for entry-level positions in the broadband cable TV industry.

Certificate

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EET 107</td>
<td>Principles of Electronics *</td>
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<tr>
<td>EET 108</td>
<td>Principles of Electronics Lab</td>
<td>4</td>
</tr>
<tr>
<td>EET 160</td>
<td>Survey of Electricity &amp; Electronics</td>
<td>5</td>
</tr>
<tr>
<td>EET 161</td>
<td>DC Principles of Electronics</td>
<td>5</td>
</tr>
<tr>
<td>EET 131</td>
<td>IT Essentials I – A+ Certification</td>
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</tr>
<tr>
<td>EET 135</td>
<td>Intro to Broadband</td>
<td>5</td>
</tr>
</tbody>
</table>

* Enroll in EET 107 and 108 or enroll in EET 160 or EET 161.

RELATED INSTRUCTION

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 140</td>
<td>Customer Relations</td>
<td>5</td>
</tr>
</tbody>
</table>

TOTAL CREDITS 20-23

ELECTRONICS TELECOMMUNICATIONS TECHNOLOGY

Business, Engineering, & 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EET 105</td>
<td>Intro to Technology †</td>
<td>3</td>
</tr>
<tr>
<td>EET 107</td>
<td>Principles of Electronics †</td>
<td>4</td>
</tr>
<tr>
<td>EET 108</td>
<td>Principles of Electronics Laboratory †</td>
<td>4</td>
</tr>
<tr>
<td>EET 109</td>
<td>Mathematical Applications for Circuit Analysis</td>
<td>5</td>
</tr>
<tr>
<td>EET 117</td>
<td>Electronics Devices †</td>
<td>4</td>
</tr>
<tr>
<td>EET 118</td>
<td>Electronics Devices Lab †</td>
<td>4</td>
</tr>
<tr>
<td>EET 127</td>
<td>Intro to Digital &amp; Analog Circuits</td>
<td>4</td>
</tr>
<tr>
<td>EET 128</td>
<td>Intro to Digital &amp; Analog Circuits Lab</td>
<td>4</td>
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<tr>
<td>EET 131</td>
<td>IT Essentials I - A+ Certification</td>
<td>5</td>
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<td>EET 135</td>
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<td>Digital &amp; Analog Circuits II</td>
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<td>Digital &amp; Analog Circuits II, Lab</td>
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<tr>
<td>EET 241</td>
<td>Principles of Telecommunications I</td>
<td>5</td>
</tr>
<tr>
<td>EET 242</td>
<td>Principles of Telecommunications 2</td>
<td>5</td>
</tr>
<tr>
<td>EET 243</td>
<td>Principles of Telecommunications 3</td>
<td>5</td>
</tr>
<tr>
<td>EET 251</td>
<td>Microprocessor Fundamentals I</td>
<td>5</td>
</tr>
<tr>
<td>IT 120</td>
<td>Network Essentials - Comptia Network +</td>
<td>5</td>
</tr>
<tr>
<td>IT 122</td>
<td>Network OS 1 - Win2K Professional</td>
<td>5</td>
</tr>
<tr>
<td>IT 124</td>
<td>Network OS 2 - Win2K Server</td>
<td>5</td>
</tr>
<tr>
<td>IT 138</td>
<td>Unix for Network Administration</td>
<td>5</td>
</tr>
</tbody>
</table>

TOTAL CREDITS 118

* This course has acceptable substitutes. See Advising Center.

** While students must test into ENGL 093 to start the degree, they must complete ENGL& 101 to finish.

† Courses must be chosen from approved list. See Advising Center.

Courses with * & is part of a new statewide common course numbering system. See page 325.
ELECTRONICS ENGINEERING TECHNOLOGY

Business, Engineering, & 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 and an excellent foundation in applied engineering for students who wish to enter the workforce immediately.

NOTE: 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EET 105</td>
<td>Intro to Technology</td>
<td>3</td>
</tr>
<tr>
<td>EET 107</td>
<td>Principles of Electronics</td>
<td>4</td>
</tr>
<tr>
<td>EET 108</td>
<td>Principles of Electronics Lab</td>
<td>4</td>
</tr>
<tr>
<td>EET 117</td>
<td>Electronic Devices</td>
<td>4</td>
</tr>
<tr>
<td>EET 118</td>
<td>Electronic Devices Lab</td>
<td>4</td>
</tr>
<tr>
<td>EET 127</td>
<td>Intro to Digital &amp; Analog Circuits</td>
<td>4</td>
</tr>
<tr>
<td>EET 128</td>
<td>Intro to Digital &amp; Analog Circuits – Lab</td>
<td>4</td>
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<tr>
<td>EET 207</td>
<td>Advanced Principles of Electronics</td>
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<td>EET 208</td>
<td>Advanced Principles of Electronics – Lab</td>
<td>4</td>
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<tr>
<td>EET 217</td>
<td>Digital &amp; Analog Circuits, II</td>
<td>4</td>
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<td>EET 218</td>
<td>Digital &amp; Analog Circuits II – Lab</td>
<td>4</td>
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<tr>
<td>EET 251</td>
<td>Microprocessor Fundamentals I</td>
<td>5</td>
</tr>
<tr>
<td>EET 285</td>
<td>Electronics Technology Project</td>
<td>3</td>
</tr>
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</table>

RELATED INSTRUCTION

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGR/CSC 142</td>
<td>Computer Programming for Engineers</td>
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<td>MATH 120</td>
<td>Elementary Functions</td>
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<td>MATH&amp; 151</td>
<td>Calculus I</td>
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<td>MATH&amp; 152</td>
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<tr>
<td>PHYS&amp; 222</td>
<td>Engineering Physics II</td>
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<tr>
<td>PHYS&amp; 223</td>
<td>Engineering Physics III</td>
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COMMUNICATIONS COURSES

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<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CMST&amp; 210</td>
<td>Interpersonal Communication</td>
<td>5</td>
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<tr>
<td>ENGL&amp; 230</td>
<td>Technical Writing</td>
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<tr>
<td>ENGL&amp; 101</td>
<td>English Composition I</td>
<td>5</td>
</tr>
</tbody>
</table>

GENERAL EDUCATION COURSES

Ten credits selected from approved list. See Advising Center.

TECHNICAL ELECTIVES

Select 10 credits. See Advising Center.

TOTAL CREDITS 119

ELECTRONICS TECHNOLOGY

Business, Engineering, & 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. It 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 others.

Certificate

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tr>
<td>EET 105</td>
<td>Intro to Technology *†</td>
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</tr>
<tr>
<td>EET 107</td>
<td>Principles of Electronics *†</td>
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<tr>
<td>EET 108</td>
<td>Principles of Electronics Laboratory *†</td>
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<tr>
<td>EET 109</td>
<td>Math Applications for Circuit Analysis</td>
<td>5</td>
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<tr>
<td>EET 114</td>
<td>Applied Physics *</td>
<td>5</td>
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<tr>
<td>EET 117</td>
<td>Electronic Devices *</td>
<td>4</td>
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<tr>
<td>EET 118</td>
<td>Electronics Devices Lab *</td>
<td>4</td>
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<tr>
<td>EET 127</td>
<td>Intro to Digital &amp; Analog Circuits *</td>
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<td>EET 128</td>
<td>Intro to Digital &amp; Analog Circuits Lab *</td>
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<tr>
<td>EET 131</td>
<td>IT Essentials – A+ Certification</td>
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<td>EET 132</td>
<td>IT Essentials II-Network Operating Systems</td>
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<td>IT 120</td>
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<tr>
<td>EET 135</td>
<td>Intro to Broadband</td>
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RELATED INSTRUCTION

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BUS 236</td>
<td>Interpersonal Communication for the Workplace *</td>
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<tr>
<td>CSC 110</td>
<td>Intro to Computer Programming</td>
<td>5</td>
</tr>
<tr>
<td>ENGL&amp; 230</td>
<td>Technical Writing *</td>
<td>3</td>
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</tbody>
</table>

TOTAL CREDITS 60

* For acceptable substitutes, see Advising Center.
† Courses must be chosen from approved list. See Advising Center.

Courses with “&” are part of a new statewide common course numbering system. See page 325.
## Associate of Applied Science Degree (A.A.S.)

### TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EET 105</td>
<td>Intro to Technology *†</td>
<td>3</td>
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<tr>
<td>EET 107</td>
<td>Principles of Electronics *†</td>
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<td>EET 108</td>
<td>Principles of Electronics Laboratory *†</td>
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<tr>
<td>EET 109</td>
<td>Math Applications for Circuit Analysis *</td>
<td>5</td>
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<tr>
<td>EET 112</td>
<td>Fundamentals of Fluid Power &amp; Electromechanical Systems *</td>
<td>6</td>
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<tr>
<td>EET 114</td>
<td>Applied Physics *</td>
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<td>Electronic Devices *</td>
<td>4</td>
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<tr>
<td>EET 118</td>
<td>Electronics Devices Lab *</td>
<td>4</td>
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<tr>
<td>EET 127</td>
<td>Intro to Digital &amp; Analog Circuits *</td>
<td>4</td>
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<td>EET 128</td>
<td>Intro to Digital &amp; Analog Circuits Lab *</td>
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<td>IT Essentials I - A+ Certification</td>
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<td>EET 132</td>
<td>IT Essentials II - Network Operating Systems</td>
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<td>-OR-</td>
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<tr>
<td>EET 135</td>
<td>Intro to Broadband</td>
<td>5</td>
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<tr>
<td>EET 207</td>
<td>Advanced Principles of Electronics *</td>
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<td>EET 208</td>
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<td>4</td>
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<td>EET 217</td>
<td>Digital &amp; Analog Circuits II *</td>
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<td>EET 218</td>
<td>Digital &amp; Analog Circuits II, Lab *</td>
<td>4</td>
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<tr>
<td>EET 251</td>
<td>Microprocessor Fundamentals I</td>
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<tr>
<td>EET 271</td>
<td>Advanced Technical Modules in Electronics Technology *†</td>
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<tr>
<td>EET 285</td>
<td>Electronics Technology Project *†</td>
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</table>

### RELATED INSTRUCTION

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 236</td>
<td>Interpersonal Communications for the Workplace *</td>
<td>5</td>
</tr>
<tr>
<td>ENGL &amp; 101</td>
<td>English Composition I **</td>
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<tr>
<td></td>
<td>General Education Requirement *</td>
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</tr>
<tr>
<td></td>
<td>Programming Elective *</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Technical Electives †</td>
<td>15</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS: 117**

* For acceptable substitutes, see Advising Center.
** While students must test into ENGL 093 to start the degree, they must complete ENGL & 101 to finish.
† Courses must be chosen from approved list. See Advising Center.

### EMERGENCY MEDICAL TECHNICIAN (EMT)

Health & Human Services 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 and Human Services Division office to obtain specific requirements for enrollment in this course. A written entrance exam is required.

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

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

For more information about health care programs, see www.seattlecolleges.com/healthcare.

### ENGINEERING DESIGN TECHNOLOGY

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

This program is currently under review. Please contact the division office for more information.

### ENGINEERING DESIGN TECHNOLOGY/MECHANICAL DESIGN SPECIALIZATION

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

This program is currently under review. Please contact the division office for more information.
ENTREPRENEURSHIP

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

This program explores the challenges of starting a new business. It includes solid business planning, feasibility studies, financial structuring, market research, and other areas of knowledge for creating a successful venture. It emphasizes the importance of a responsible and professional work ethic, and leadership qualities.

Certificate

TECHNICAL SPECIALTY COURSES
ACCT& 201 Principles of Accounting I .................. 5
BUS 118 Project Management Intro & Overview ........ 5
BUS 152 Entrepreneurship I ................................ 5
BUS 153 Entrepreneurship II ................................ 5
BUS 154 Exploring Entrepreneurship ...................... 5
BUS 156 Intro to e-Business/Commerce .................... 5
-OR-
IT 101 Software Applications ......................... 5
CWE 110 Internship ...................................... 3
BUS 236 Interpersonal Communication for the Workplace .................................................. 5

TOTAL CREDITS 38

HOSPITALITY/FOOD SERVICE/ CULINARY ARTS

The North Seattle Community College Culinary Arts program is no longer accepting new students. We encourage prospective students to look into the extensive culinary arts programs, certificates and Associate of Arts degrees offered by Seattle Central Community College and South Seattle Community College, both of which are part of the Seattle Community Colleges.

HVAC SERVICE

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

The HVAC program, in partnership with HVAC Learning Systems and Lennox, provides system training in heating, ventilation, air-conditioning and refrigeration. The only one of its kind in the country available at a two-year college, North’s HVAC program tailors skills to employer needs and can help students get an internship or entry-level job with rewarding career potential.

Certificate

TECHNICAL SPECIALTY COURSES
EET 109 Technical Math .................................... 5
EET 160 Intro to Electricity & Electronics ............... 5
ENGL& 230 Technical Writing ............................. 3
HVC 101 Essentials of HVAC ................................ 2
HVC 211 Cooling & Heating Systems 1 ................... 4
HVC 212 Cooling & Heating Systems 2 ................... 4
TDR 111 Basic CAD Drafting for Construction & Design ... 5

RELATED INSTRUCTION
BUS 169 Using Computers in Business * ................ 5
BUS 236 Interpersonal Communications for the Workplace .................................................. 5
CWE 101 Portfolio, Job Search & Interviewing .......... 2
CWE 110 Internship ...................................... 3

* IT 101 may be substituted for BUS 169

TOTAL CREDITS 43

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

Program Prerequisites: ENG 097/098 or higher, MAT 084 or higher.

TECHNICAL SPECIALTY COURSES
ECT 213 System Design & Applications .................. 12
EET 114 Technical Physics .................................. 5
EET 131 Computer Basics A+ ............................... 5
EET 160 Intro to Electricity & Electronics ............... 5
HVC 101 Essentials of HVAC ................................ 2
HVC 211 Cooling & Heating Systems 1 ................... 4
HVC 212 Cooling & Heating Systems 2 ................... 4
TDR 111 Basic CAD Drafting - Construction & Design .... 5
TDR 112 Intermed. CAD Drafting – Construction & Design .................................................. 5
TDR 113 Basic Drafting ...................................... 5
TDR 134 Systems in Buildings ............................. 5

RELATED INSTRUCTION
BUS& 101 Intro to Business ................................. 5
BUS 112 Multicultural Issues in the American Workplace .... 5
BUS 140 Customer Relations ................................ 5
BUS 169 Using Computers in Business * ............... 5
BUS 236 Interpersonal Communications for the Workplace .................................................. 5
ENGL& 101 English Composition I ....................... 5
EET 109 Technical Math ..................................... 5
CWE 101 Portfolio, Job Search & Interviewing .......... 2
CWE 110 Internship ...................................... 3

* IT 101 may be substituted for BUS 169

TOTAL CREDITS 97
INDUSTRIAL POWER & CONTROL TECHNOLOGY
Business, Engineering, & Information Technologies Division
(206) 527-3730

The Industrial Power and Control Technology program offers a one-year certificate and a two-year Associate of Applied Science degree. The first year focuses on Electronics Technology such as DC fundamentals, circuit analysis, solid-state electronic devices and circuits, and analog and digital circuits. The second year focuses on industrial power and control technologies. Students are prepared 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.

Certificate

TECHNICAL SPECIALTY COURSES
EEL 201 Industrial Transformers & Motors ........ 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 170 Digital Circuits I ......................... 5
MATH 102 College Algebra ......................... 5

RELATED INSTRUCTION
BUS 236 Interpersonal Communication For The Workplace * ...................... 5
CSC 110 Intro to Computer Programming * .......... 5
ENGL& 230 Technical Writing ..................... 3

TOTAL CREDITS 53

* These courses have acceptable substitutes. See Advising Center.

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 114 Applied Physics * .......................... 5
EET 117 Electronic Devices * ....................... 4
EET 118 Electronics Devices Lab .................. 4
EET 132 IT Essentials II-Network Operating Systems .................. 5

-OR-
IT 120 Network Essentials - CompTIA Network + ...... 5

-OR-
EET 135 Intro to Broadband ....................... 5
EEL 202 Industrial Motor Controls ................. 5
EEL 203 Industrial Motor Drives .................... 5
EET 112 Fundamentals of Fluid Power & Electromechanical Systems * .................. 6
EET 127 Intro to Digital & Analog Circuits * ....... 4
EET 128 Intro to Digital & Analog Circuits Lab * ...... 4
EET 132 IT Essentials 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, Lab * ........ 4
EET 251 Microprocessor Fundamentals I .......... 5
EET 285 Electronics Technology Project *† .......... 3

RELATED INSTRUCTION
BUS 236 Interpersonal Communications For The Workplace * ...................... 5
ENGL& 101 English Composition I ** ................ 5
General Education Requirement † ................... 5
Programming Elective * ......................... 5
Technical Electives † .............................. 10

TOTAL CREDITS 117

* For acceptable substitutes, see Advising Center.
** While students must test into ENGL 093 to start the degree, they must complete ENGL& 101 to finish.
† Courses must be chosen from approved list. See Advising Center.
INFORMATION TECHNOLOGIES

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

Programming
This program is currently under review. Please contact the division office for more information.

Information Technology Software & Database Concentration
This program is currently under review. Please contact the division office for more information.

Information Technology Network Infrastructure & Security Support Specialist
The Information Technology program offers both a certificate and an Associate of Applied Science Degree in Information Technology (A.A.S.-T.). Satisfactory completion of the Network Infrastructure & Security Support Specialist program qualifies a student for the A.A.S.-T. The program trains entry-level network and infrastructure support technicians and administrators in specific computer networking skills and general troubleshooting of hardware and software related problems. Please see a college advisor about taking any courses other than those that have been identified.

Graduates of the Network Infrastructure & Security Support program find jobs as Network Technician, Assistant Network Administrator, PC Technician, Workstation Support Technician, Technical Support Technician or Computer Systems Technician.

Certificate

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 100</td>
<td>Intro to Computer Systems &amp; Networks</td>
</tr>
<tr>
<td>IT 101</td>
<td>Software Applications</td>
</tr>
<tr>
<td>IT 102</td>
<td>Intro to Programming</td>
</tr>
<tr>
<td>IT 124</td>
<td>Network OS 2 – Win2K Server</td>
</tr>
<tr>
<td>IT 126</td>
<td>Network OS3 – Win2K Network Infrastructure</td>
</tr>
<tr>
<td>IT 134</td>
<td>Network Communications – TCP/IP</td>
</tr>
<tr>
<td>IT 138</td>
<td>UNIX for Network Administration</td>
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<tr>
<td>IT 140</td>
<td>Network Management – UNIX Shell Scripts</td>
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<tr>
<td>IT 150</td>
<td>Fundamentals of Security (CompTIA Security+ Cert)</td>
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<tr>
<td>IT 160</td>
<td>Wireless LAN</td>
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<tr>
<td>IT 218</td>
<td>Managing Win2K Network Environment</td>
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<tr>
<td>IT 230</td>
<td>Microsoft Small Business Server I</td>
</tr>
<tr>
<td>IT 232</td>
<td>Microsoft Small Business Server II</td>
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* EET 131 may be substituted for IT 100

RELATED INSTRUCTION

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>BUS 236</td>
<td>Interpersonal Communication for the Workplace</td>
</tr>
<tr>
<td>ENGL &amp; 230</td>
<td>Technical Writing</td>
</tr>
<tr>
<td>Math Elective **</td>
<td></td>
</tr>
</tbody>
</table>

** Math: Placement in MATH 098 or equivalent

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

TOTAL CREDITS 78

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

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 100</td>
<td>Intro to Computer Systems &amp; Networks</td>
</tr>
<tr>
<td>IT 101</td>
<td>Software Applications</td>
</tr>
<tr>
<td>IT 102</td>
<td>Intro to Programming</td>
</tr>
<tr>
<td>IT 103</td>
<td>Intro to Database Use &amp; Design</td>
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<tr>
<td>IT 124</td>
<td>Network OS 2 – Win2K Server</td>
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<tr>
<td>IT 126</td>
<td>Network OS3 – Win2K Network Infrastructure</td>
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<tr>
<td>IT 134</td>
<td>Network Communications – TCP/IP</td>
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<tr>
<td>IT 138</td>
<td>Unix for Network Administration</td>
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<td>Managing Win2K Network Environment</td>
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<tr>
<td>IT 230</td>
<td>Microsoft Small Business Server I</td>
</tr>
<tr>
<td>IT 232</td>
<td>Microsoft Small Business Server II</td>
</tr>
</tbody>
</table>

* EET 131 may be substituted for IT 100

TECHNICAL ELECTIVES 10

See advisor.

GENERAL EDUCATION COURSES 20

Select 15 credits from a list of approved General Education courses, including 10 from U.S. Cultures/Global Studies and 5 from Communications (BUS 131 or BUS 230), and 5 from Quantitative Reasoning (MAT 107, 116, or 117).

Contact the division office for a list of approved courses.

TOTAL CREDITS 118

Information Technology Web Development & Database Concentration
This program is currently under review. Please contact the division office for more information.
Information Technology for Healthcare
Health & Human Services Division
(206) 527-3790

The IT for Healthcare curriculum is designed to meet the emerging demand for a workforce capable of using health communications and information technology. The program equips students and workers with the skills needed to enter and advance in health care careers.

The program operates a modern laboratory emulating a health care setting. It is equipped with current tablet PCs, Procura software, and other technologies which provide the opportunity to gain real-world skills and experience. The program offers a 15-credit Short Certificate, a One-Year Achievement Certificate, and an A.A.S.-T. degree.

For more information on health care programs, see www.seattlecolleges.edu/healthcare.

**PROGRAM PREREQUISITES**
ENGL& 101, BUS 106, BUS 236, MATH 098

**Short Certificate**

<table>
<thead>
<tr>
<th>REQUIRED COURSES</th>
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<tr>
<td>EET 131 IT Essentials I</td>
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<tr>
<td>AHE 234 HIPAA &amp; Network Security</td>
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<tr>
<td>AHE 232 Intro to Clinical Software</td>
<td>5</td>
</tr>
<tr>
<td>BUS 169 Using Computers in Business</td>
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<td>IT 101 Software Applications</td>
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**TOTAL CREDITS**  
15

**One-Year Certificate**

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<td>AHM 118 Intro to patient History, Documentation &amp; Medical Records</td>
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<td>AMA 102 Legal Concepts</td>
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<td>AMA 125 Intro to Medical Insurance Coding</td>
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<td>IT 101 Software Applications</td>
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<tr>
<td>BUS 118 Project Management Intro &amp; Overview</td>
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<td>BUS 210 Business &amp; Economic Statistics</td>
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<tr>
<td>BUS 229 Project Management Tools, Techniques, Control</td>
<td>5</td>
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<tr>
<td>IT 100 Intro to Computer Systems &amp; Networks</td>
<td>5</td>
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<td>IT 101 Software Applications</td>
<td>5</td>
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<tr>
<td>IT 102 Intro to Programming</td>
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**TOTAL CREDITS**  
38-43

**Associate of Applied Science - T Degree (A.A.S.-T)**

**PROGRAM PREREQUISITES**
ENGL& 101 or ENGL& 230, BUS 106, MATH 098

**TECHNICAL SPECIALTY COURSES**

| AHE 232 Intro to Clinical Software | 5 |
| AHE 233 Intro to Health Informatics | 5 |
| AHE 234 HIPAA & Network Security | 5 |
| AHM 118 Intro to Patient History, Documentation & Medical Records | 1 |
| AMA 102 Legal Concepts | 1 |
| AMA 103 Ethical Concepts | 1 |
| AMA 120 Front Office Basics | 1 |
| AMA 121 Patient Scheduling | 1 |
| AMA 125 Intro to Medical Insurance & Coding | 2 |
| AMA 170 - 181 Anatomy & Physiology/Medical Terminology/Pathology | 1 |
| AMA 226 Medical Insurance Coding | 1 |
| AMA 227 Medical Insurance Billing | 2 |
| BUS 118 Project Management Intro & Overview | 5 |
| BUS 210 Business & Economic Statistics | 5 |
| BUS 229 Project Management Tools, Techniques, Control | 5 |
| IT 100 Intro to Computer Systems & Networks | 5 |
| IT 101 Software Applications | 5 |
| IT 102 Intro to Programming | 5 |

**TOTAL CREDITS**  
13

**RELATED INSTRUCTION**

| CWE 101 Portfolio, Job Search & Interviewing | 2 |
| CWE 110 Internship | 3 |

**GENERAL EDUCATION COURSES**

| BUS 236 Interpersonal Communication for the Workplace | 5 |
| CMST 275 Online Communication | 5 |
| CSC 110 Intro to Computer Programming | 5 |
| ISP 105 Intercultural Communication | 5 |

**TOTAL CREDITS**  
93

**IT Electives**

Contact the division office for a list of program electives.
INTERNATIONAL TRADE

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

The International Trade Certificate leads to entry-level positions requiring knowledge of international business, including logistics, supply chain management, freight forwarding, port and trade operations and distribution networks. Career professionals and those interested in moving into the international field from other industries focus on current real-world, real-time events and developments in international trade.

Certificate

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Code</th>
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<td>BUS</td>
<td>Global Marketing</td>
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<tr>
<td>IBN</td>
<td>International Trade: Export</td>
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<tr>
<td>IBN</td>
<td>International Trade: Export</td>
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<tr>
<td>BUS</td>
<td>Global Logistics</td>
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<tr>
<td>CWE</td>
<td>Portfolio, Job Search &amp; Interviewing</td>
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<tr>
<td>CWE</td>
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<tr>
<td>TOTAL CREDITS</td>
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<td>24</td>
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</tbody>
</table>

INTERNSHIPS

Internships/Cooperative Education
(206) 527-3686

Internships provide opportunities to earn college credit while gaining practical, “hands on” work experience in their field of study. The Internship Program consists of CWE 101 “Portfolios, Job Search and Interviewing” and CWE 110 “Internships.” CWE 101 is a 2-credit course designed to assist students in developing an internship, and CWE 110 provides 3 credits for the actual internship itself. For more information regarding the Internship program at North, please contact the Internship Office directly.

MEDICAL ASSISTING

Health & Human Services Division
(206) 527-3790

The Medical Assisting program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP, 1361 Park St., Clearwater, FL 33756), 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).

The Medical Assisting options are all open-entry/open-exit, self-paced, variable-length. Each program option 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 are 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 instructional assistance is available.

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.

For more information on health care programs,
see www.seattlecolleges.edu/healthcare.

PREREQUISITES FOR MEDICAL ASSISTING AND ALL M.A.
PROGRAM OPTIONS

Courses must be taken within the last 10 years or the COMPASS test is required. Contact Testing Center.

MATH 100 Math for Health Careers
-OR-
ENGL& 101 Composition
ENGL& 230 Technical Writing
-OR-
BUS 169 Using Computers in Business I
-OR-
IT 101 Software Applications.

General: A high school diploma or GED or 18 years of age. Certain TechPrep agreements can be accepted (see MA program advisor). Applicant should have oral English skills sufficient to communicate accurately with others in the medical field.

Certificate

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
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<td>Communications in Healthcare</td>
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<tr>
<td>AMA</td>
<td>Legal Concepts</td>
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<tr>
<td>AMA</td>
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<tr>
<td>AMA</td>
<td>Office Emergencies</td>
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<tr>
<td>AMA</td>
<td>Asepsis &amp; Infection Control</td>
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<tr>
<td>AMA</td>
<td>Patient History, Documentation &amp; Physical Exam</td>
<td>1</td>
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<tr>
<td>AMA</td>
<td>Vital Signs &amp; Measurements</td>
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<tr>
<td>AMA</td>
<td>Nutrition &amp; Development Basics</td>
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<tr>
<td>AMA</td>
<td>Pharmacology</td>
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<td>AMA</td>
<td>Intro to Lab Safety</td>
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<td>AMA</td>
<td>Credentials &amp; Employment</td>
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<tr>
<td>AMA</td>
<td>Basic Psychology Principles</td>
<td>1</td>
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<tr>
<td>AMA</td>
<td>HIV/AIDS</td>
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</table>
AMA 116 Principles of IV Therapy .......................... 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 125 Intro to Medical Insurance & Coding ......... 2
AMA 170 AP/Terminology/Pathology 1 Intro .......... 2
AMA 171 AP/Terminology/Pathology 2 ........................ Skins & 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 Systems .............................. 1
AMA 181 AP/Terminology/Pathology 12 Specialty Topics ........................................ 1
AMA 226 Medical Insurance Coding I ...................... 1
AMA 227 Medical Insurance Billing ......................... 2
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
AHM 244 Intro to Imaging .................................. 1
AMA 245 Minor Surgery .................................... 2
AMA 246 Patient Prioritizing & Instruction ............... 1
AMA 250 Medication Calculations & Administration .... 2
AMA 251 EKG .................................................. 1
AMA 252 Phlebotomy ........................................ 1
AMA 253 Hematology ....................................... 1
AMA 254 Urinalysis ........................................ 1
AMA 255 Basic Microbiology ................................ 1
AMA 256 Specialty Lab Tests & Chemistry ................. 1
AMA 290 Medical Assisting Externship & Seminar * .... 7

** RELATED INSTRUCTION **

BUS 236 Interpersonal Communications for the Workplace ** .......................... 5

TOTAL CREDITS 69

* All program courses must be successfully completed prior to taking the externship course.

** BUS 236 is a non-modular (not self-study) course, but is required for the program.

### Clinical Lab Assisting

An option of the Medical Assisting program, this program is intended to prepare the student for clinical laboratory entry-level positions such as phlebotomist or clinical lab assistant. Students study basic anatomy and physiology, medical terminology and pathology, lab safety, regulations/legal requirements, specimen collection and preparation, phlebotomy, various ‘CLIA-waived’ tests and 7 hours of HIV/AIDS. Students perform phlebotomy and lab testing procedures in the classroom.

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.

This is an open-entry/open-exit, self-paced, variable-length program. See page 108 for explanation.

For more information about health care programs, see www.seattlecolleges.edu/healthcare.

### Certificate

#### TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
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<td>AHM 141</td>
<td>Lab Equipment &amp; Measurements</td>
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<td>AHM 142</td>
<td>Non-Blood Specimen Collection</td>
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<tr>
<td>AMA 100</td>
<td>Intro to Healthcare</td>
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<td>Communications in Healthcare</td>
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<td>Legal Concepts</td>
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<td>AMA 105</td>
<td>Asepsis &amp; Infection Control</td>
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<td>AMA 106</td>
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<td>AMA 114</td>
<td>Basic Psychology Principles</td>
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<td>AMA 115</td>
<td>HIV/AIDS</td>
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<td>AMA 120</td>
<td>Front Office Basics</td>
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<td>Patient Scheduling</td>
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<td>AMA 122</td>
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<td>AMA 125</td>
<td>Intro to Medical Insurance &amp; Coding</td>
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<td>AMA 170</td>
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<td>Asepsis &amp; Infection Control</td>
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<td>AMA 106</td>
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Courses with ‘&’ are part of a new statewide common course numbering system. See page 325.
### Courses with "&" are part of a new statewide common course numbering system. See page 325.

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<td>AP/Terminology/Pathology 12 Specialties</td>
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<td>AMA 253</td>
<td>Hematology</td>
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</tbody>
</table>

* BUS 236 is a non-modular (not self-study) course, but is required for the program.

### Medical Transcription

Medical Transcription is an option of the Medical Assisting program, this program 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.

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.

This is an open-entry/open-exit, self-paced, variable-length program. See page 108 for explanation.

For more information on health care programs, see www.seattlecolleges.edu/healthcare.

### Certificate

**TECHNICAL SPECIALTY COURSES**

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<td>AHM 160</td>
<td>Proofreading &amp; Editing</td>
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<td>Medical Transcription Practice 1</td>
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<td>Basic Psychology Principles</td>
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<tr>
<td>AMA 115</td>
<td>HIV/AIDS</td>
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<td>AMA 170</td>
<td>AP/Terminology/Pathology 1 Intro</td>
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<td>AMA 171</td>
<td>AP/Terminology/Pathology 2 Skin &amp; Senses</td>
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<td>AMA 174</td>
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<td>AMA 175</td>
<td>AP/Terminology/Pathology 6 Nervous System</td>
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<td>AP/Terminology/Pathology 7 Endocrine System</td>
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<td>AMA 177</td>
<td>AP/Terminology/Pathology 8 Musculoskeletal System</td>
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<td>AP/Terminology/Pathology 11 Blood &amp; Lymph Systems</td>
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<td><strong>TOTAL CREDITS</strong></td>
<td><strong>34</strong></td>
</tr>
</tbody>
</table>

* BUS 236 is a non-modular (not self-study) course, but is required for the program.

### RELATED INSTRUCTION

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BUS 236</td>
<td>Interpersonal Communications for the Workplace</td>
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<td><strong>TOTAL CREDITS</strong></td>
<td><strong>34</strong></td>
</tr>
</tbody>
</table>

* BUS 236 is a non-modular (not self-study) course, but is required for the program.
Medical Office Administration

An option of the Medical Assisting program, this program is intended to prepare the student for work in the administrative, clerical and management areas of an ambulatory care setting. It covers anatomy and physiology, terminology, pathology, safety, communication, professionalism and job search skills to enhance understanding in the clinic/office. No hands-on patient care tasks or procedures are included.

This is an open-entry/open-exit, self-paced, variable-length program. See page 108 for explanation.

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.

For more information on health care programs, see www.seattlecolleges.edu/healthcare.

Certificate

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AHM 124</td>
<td>Intro to Medical Transcription</td>
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<tr>
<td>AMA 100</td>
<td>Intro to Healthcare</td>
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<td>AMA 102</td>
<td>Legal Concepts</td>
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<td>AMA 103</td>
<td>Ethical Concepts</td>
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<tr>
<td>AMA 104</td>
<td>Office Emergencies</td>
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<td>Patient History, Documentation &amp; Physical Exam</td>
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<td>AMA 112</td>
<td>Credentials &amp; Employment</td>
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<td>AMA 114</td>
<td>Basic Psychology Principles</td>
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<td>AMA 115</td>
<td>HIV/AIDS</td>
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<td>AMA 120</td>
<td>Front Office Basics</td>
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<td>AMA 121</td>
<td>Patient Scheduling</td>
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<td>AMA 122</td>
<td>Medical Records &amp; Correspondence</td>
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<tr>
<td>AMA 123</td>
<td>Daily Financial Management</td>
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<tr>
<td>AMA 125</td>
<td>Intro to Medical Insurance &amp; Coding</td>
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<td>AMA 170</td>
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Basic Medical Reception

An option of the Medical Assisting program, this program prepares the student for entry-level positions such as front desk, receptionist, or file clerk. Instruction includes safety, hygiene, communication, computation, professionalism, work habits, and job search skills.

This is an open-entry/open-exit, self-paced, variable-length program. See page 108 for explanation.

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 prerequisite: Completion of Medical Terminology.

For more information about health care programs, see www.seattlecolleges.edu/healthcare.

Certificate

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>AMA 100</td>
<td>Intro to Healthcare</td>
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<td>AMA 101</td>
<td>Communications in Healthcare</td>
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<td>AMA 102</td>
<td>Legal Concepts</td>
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<td>AMA 103</td>
<td>Ethical Concepts</td>
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<td>AMA 104</td>
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<td>AMA 125</td>
<td>Intro to Medical Insurance &amp; Coding</td>
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RELATED INSTRUCTION

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<th>Course Title</th>
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<tr>
<td>BUS 236</td>
<td>Interpersonal Communications for the Workplace *</td>
<td>5</td>
</tr>
</tbody>
</table>

TOTAL CREDITS 20

* BUS 236 is a non-modular (not self-study) course, but is required for the program.
Medical Fundamentals for Clinical Research Professionals

An option of the Medical Assisting program, this program is for people who are already in the clinical research field. Instruction covers safety, hygiene, communication, computation, professionalism, work habits, and job search skills. This is an open-entry/open-exit, self-paced, variable-length program. See page 108 for explanation.

Program prerequisite: completion of Medical Terminology and Anatomy and Physiology. Standard courses or the modules offered by the Medical Assisting Program may be taken.

Certificate

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<td>AMA 256</td>
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TOTAL CREDITS 16

Health Care Assistant Preparation

An option of the Medical Assisting program, this program is for working Medical Assistants. Instruction covers safety, hygiene, communication, computation, professionalism, work habits, and job search skills.

Nine hundred hours of formal education at the post secondary level must be completed. The following courses, as well as medical terminology and anatomy and physiology, are all required to qualify for HCA levels A, C, & E. This certificate is intended for current employees in the medical field only.

This is an open-entry/open-exit, self-paced, variable-length program. See page 108 for explanation.

Certificate

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
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TOTAL CREDITS 9

NANOTECHNOLOGY

Math, Science & Social Science Division
(206) 527-3746

The nanotechnology degree prepares graduates for entry-level technician positions in the nano/micro-fabrication industry and related manufacturing industries. Nano/micro-technology is the basis for the manufacturing of a wide range of technology products such as computer chips, flat panel displays, solar power arrays, robotics, industrial parts, biological implants, and DNA monitoring, medical and pharmaceutical equipment. This cross-disciplinary program combines elements of materials science, chemistry, biology, physics, electronics and engineering. Students learn clean room procedures and maintenance of nano/micro fabrication and characterization equipment. Graduates may enter a wide range of materials-based industries.

Certificate

This one-year certificate prepares people with work or academic experience in micro-electronics, biotechnology, optics or similar technical field to learn nanoscience and become proficient in nanotechnological protocols. Prerequisites: one year of college-level chemistry and two quarters of college-level physics, with a 2.0 or higher.

TECHNICAL SPECIALTY REQUIREMENT

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TECHNICAL ELECTIVES

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<td>NANO 250</td>
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TOTAL CREDITS 30

For more information about this program go to: http://www.wssma.org/hcalaw.php
For more information about health care programs, see www.seattlecolleges.edu/healthcare.

Courses with “&” are part of a new statewide common course numbering system. See page 325.
Nursing, Practical

Health & Human Services 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 division office for entry requirements, information on approval procedures, the application process and the schedule for orientation/advising sessions.

For more information on health care programs, see www.seattlecolleges.edu/healthcare.

Program Prerequisites

Math: COMPASS test placement into MAT 098 within the last two (2) years or transcript showing successful completion of MAT 098 Intermediate Algebra or MAT 100 Math for Health Careers within the last 5 years.

BIOL& 241 Anatomy & Physiology I .......................... 5
BIOL& 242 Anatomy & Physiology II ..................... 5
ENGL& 101 English Composition I ....................... 5
MATH 100 Math for Health Careers ...................... 3
MATH 109 Elementary Statistics ......................... 5
MSC 101 Materials Science .................................. 5
PHYS& 211 General Physics I ............................... 5
PHYS& 212 General Physics II .............................. 5
PHYS& 241 AND 242 and Math requirement must be taken within 5 years of application date. All prerequisites must be completed with a minimum 2.0 grade and an overall GPA of 2.5 or higher.

Strongly Recommended:

AHI 100 Intro to Medical Vocabulary ....................... 3
MATH 100 Math for Health Careers ...................... 3

Certificate

Technical Specialty Courses

NUR 116 Nursing Fundamentals * ....................... 6
NUR 117 Nursing Fundamentals – Lab & Clinical Practice * .................. 3
NUR 118 Clinical Nursing Skills I * ..................... 2
NUR 119 Clinical Nursing Skills II * ..................... 1
NUR 126 Legal Aspects/Career Opportunities ............. 1
NUR 127 Medical/Surgical Nursing – Child/Adult I ........ 6
NUR 128 Medical/Surgical Nursing – Child/Adult II ...... 6
NUR 130 Critical Thinking in Nursing Practice ............ 3
NUR 131 Clinical Nursing Practice I * .................... 3.5
NUR 133 Family Nursing Maternal Theory .................. 3
NUR 134 Family Nursing Clinical * ......................... 1.5
NUR 139 Senior Experience * ......................... 1
NUR 141 Clinical Nursing Practice II * .............. 3.5
NUR 151 Basic Pharmacology I & Pharmacy Calculations *........ 2.5
NUR 152 Basic Pharmacology II * ..................... 2.5
NUR 153 Administration of Medications ............. 0.5
NUR 154 Intravenous Therapy Skills * .............. 1
TOTAL CREDITS 47

* A total of 33 hours of instruction in the area of computation will be earned by completing all courses marked with *.

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

NURSING: ASSOCIATE OF APPLIED SCIENCE - TRANSFER DEGREE

North Seattle Community College’s LPN-to-RN Ladder program provides an option for LPNs with a minimum of 1040 hours 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 of Applied Science - Transfer Degree in Nursing. Students must first successfully complete an LPN certificate program and the general education and related instruction requirements.

For more information on health care programs, see www.seattlecolleges.edu/healthcare.

PREREQUISITES
Minimum of 35 credits from an accredited Practical Nursing program

GENERAL EDUCATION & RELATED INSTRUCTION REQUIREMENTS
BIOL& 241 Anatomy & Physiology I .................... 5
BIOL& 242 Anatomy & Physiology II ................... 5
BIOL& 260 Microbiology * .................................. 5
ENGL& 101 English Composition I ..................... 5
NTR 150 Human Nutrition .................................. 5
PSYC& 100 General Psychology ......................... 5
PSYC& 200 Lifespan Psychology .......................... 5

ELECTIVE
U.S. Cultures or Global Studies ** .......................... 5
Computation or Quantitative/Symbolic Reasoning * .... 5

* BIOL& 241, 242 and BIOL& 260 must be taken within five years of application date.

** Students may choose from either category

TOTAL 45

Certificate

TECHNICAL SPECIALTY COURSES
NUR 223 Advanced Nursing Skills I ..................... 0.5
NUR 224 Principles of Health Promotion & Health Care Education in Nursing .................... 1.5
NUR 225 Psych, Soc & Family Nursing ** .............. 3.5
NUR 226 Care Management & Leadership in Nursing ................................................. 1.5
NUR 227 Nursing Management of Complex Health Conditions ................................. 4.5
NUR 228 Nursing Management of Complex Health Conditions Clinical Practice .................. 3
NUR 231 Psych, Soc & Family Nursing Clinical Practice ........................................... 3
NUR 233 Advanced Nursing Skills IV ..................... 0.5
NUR 234 Implementation of Health Promotion & Health Care Education in Nursing .......... 1.5
NUR 235 Legal Aspects/Care Systems in Nursing ......................................................... 1.5
NUR 237 Nursing Management of Complex Health Conditions/Family Nursing ** ............ 4
NUR 238 Senior Experience/Family Nursing Clinical Practice ........................................ 3

NOTE: To complete the program, a 2.0 grade or better is required in all nursing and prerequisite courses, with an overall GPA of 2.8.

** Courses contain some distance learning activities

TOTAL CREDITS 108

PARENT EDUCATION

Health & Human Services 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. Parents may also take online classes 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. The student’s child is enrolled from 1–4 days a week, depending on the child’s age. 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 & Human Services 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, out-patient 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 division office regarding enrollment and current information. The program begins in Fall and Spring Quarters.

For more information about health care programs, see www.seattlecolleges.edu/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 TECHNOLOGY

Health & Human Services Division
(206) 527-3790

In cooperation with Bellingham Technical College, North Seattle Community College offers a Radiologic Technology A.A.S. degree to prepare students for careers in the high-demand field of Radiology Technologist. Students attend classes and complete their hands-on clinic training through North, but are enrolled through Bellingham Technical College. Students learn online, through computer lab activities, video conferencing, and radiology lab activities at clinical sites at various locations and in the traditional classroom at North.

For more information about health care programs, see www.seattlecolleges.edu/healthcare.

REAL ESTATE

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

North Seattle Community College’s Real Estate program prepares students for work in Residential and Commercial Real Estate Sales and Brokerage, Appraising, Property Management, Green Real Estate, Escrow, Finance, Investment and Home Inspection. The North Seattle Real Estate Program provides the skills and educational clock hours necessary to satisfy Washington State Department of Licensing and Department of Financial Institutions requirements, and industry and continuing education requirements. Students learn from industry experts in settings emphasizing experiential learning.

For up to date information on Real Estate certificates, degrees and courses, visit www.northseattle.edu/res.

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

TECHNICAL SPECIALTY COURSES
RES 100 Real Estate Fundamentals .................. 5
RES 101 Technology for Real Estate .................. 5
RES 106 Real Estate Fraud ........................... 1
-OR-
RES 160 Ethics for Loan Originators .................. 1
RES 110 Intro to Commercial Real Estate ............ 3
RES 125 Applications of Real Estate Math * .......... 2
-OR-
MATH& 107 Math In Society .......................... 5
-OR-
MATH 116 Applications of Math to Management, Life & Social Science ........ 5
RES 130 Green Real Estate ........................... 3
RES 140 Real Estate Sales & Practice .................. 3
-OR-
RES 290 Commercial Sales & Leasing .................. 2
RES 141 Land Use Principles & Practice .............. 3
RES 142 Inspecting the Condition of Real Estate .... 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 ........... 1.5
RES 170 Real Estate Law .............................. 3
RES 175 Intro to Title .................................... 3
RES 180 Basic Appraisal Principles .................... 3
RES 190 Real Estate Escrow I .......................... 3
RES 201 Principles of Real Estate Management ....... 3
-OR-
RES 202 Multi-Family Property Management .......... 3
-OR-
RES 203 Commercial Property Management .......... 3

Courses with “&” are part of a new statewide common course numbering system. See page 325.
Courses with "&" are part of a new statewide common course numbering system. See page 325.

RES 210  Real Estate Investments ........................................... 3
RES 217  R.E. Development & Sustainability .......................... 3
RES 220  Real Estate Economics ............................................ 3
RES 235  Sales & Marketing .................................................... 3
Real Estate Electives .......................................................... 13
Choose any non-required courses with RES prefix

RELATED INSTRUCTION
ACCT 215  Accounting for Small Business Owners .................. 3
BUS 236  Interpersonal Communication for the Workplace.......... 5
BUS 140  Customer Relations ................................................. 5
Global Studies or U.S. Culture Elective ** .............................. 5
TOTAL CREDITS 91-96
* Students may challenge by passing the RES 125 test and receive 2 credits.
** Select 5 credits from approved list. See Advising Center.

Real Estate Appraiser
Associate of Applied Science-T Degree (A.A.S.-T)

TECHNICAL SPECIALTY COURSES
RES 100  Real Estate Fundamentals ....................................... 5
RES 101  Technology for Real Estate ....................................... 5
RES 106  Real Estate Fraud .................................................... 1
RES 125  Applications of Real Estate Math * ............................... 2
RES 141  Land Use Principles & Practice .................................. 3
RES 142  Inspecting the Condition of Real Estate ....................... 3
RES 150  Real Estate 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 ............................ 2
RES 170  Real Estate Law ....................................................... 3
RES 180  Basic Appraisal Principles ....................................... 3
RES 183  Basic Appraisal Procedures ..................................... 3
RES 184  Residential Market Analysis & Highest & Best Use .... 1.5
RES 185  Residential Appraiser Site Valuation & Cost Approach .... 1.5
RES 186  Residential Sales Comparison & Income Approaches .... 3
RES 187  Residential Report Writing ....................................... 1.5
RES 188  Statistics, Modeling & Finance ................................ 1.5
RES 189  Advanced Residential Applications ........................ 1.5
RES 220  Real Estate Economics ............................................ 3
RES 235  Sales & Marketing .................................................... 3
RES 241  Appraising Small Residential Income Properties .......... 3
RES 281  National USPAP Course .......................................... 1.5
RES Electives ................................................................. 3

RELATED INSTRUCTION
ACCT 215  Accounting for Small Business Owners .................. 3
BUS 140  Customer Relations ................................................. 5
ENGL& 101  English Composition I ....................................... 5
MATH& 107  Math In Society ............................................... 5
-OR-
MATH 116  Applications of Mathematics to Management, Life & Social Sciences .............................. 5
BUS 210  Business & Economic Statistics ................................ 5
General Education Elective ** ............................................... 5
Social Science, Humanities or Science Electives ...................... 10
TOTAL CREDITS 93.5-95.5
* Students may challenge by passing the RES 125 test.
** Select 5 credits from approved list. See Advising Center.

North Seattle Community College 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 101  Technology for Real Estate ....................................... 5
RES 165  Real Estate Loan Officer .......................................... 3
-OR-
RES 166  Real Estate Loan Processing ..................................... 4
-OR-
RES 260  Real Estate Finance – Commercial ............................ 2
RES 170  Real Estate Law ....................................................... 3
Approved Electives * .......................................................... 3
TOTAL CREDITS 18-20
* Choose any course with the Real Estate prefix of RES.

Real Estate Appraisal Trainee

Certificate

TECHNICAL SPECIALTY COURSES
RES 100  Real Estate Fundamentals ....................................... 5
RES 101  Technology for Real Estate ....................................... 5
RES 106  Real Estate Fraud .................................................... 1
RES 125  Applications of Real Estate Math * ............................... 2
RES 180  Basic Appraisal Principles ....................................... 3
RES 183  Basic Appraisal Procedures ..................................... 3
RES 281  National USPAP Course .......................................... 1.5
TOTAL CREDITS 20.5
* Students may challenge by passing the RES 125 test.
Certified Residential Appraiser
Certificate

TECHNICAL SPECIALTY COURSES
RES 100 Real Estate Fundamentals .................. 5
RES 101 Technology for Real Estate .................. 5
RES 106 Real Estate Fraud .......................... 1
RES 125 Applications of Real Estate Math * ........... 2
RES 141 Land Use Principles & Practice ............... 3
RES 142 Inspecting the Condition of Real Estate ......... 3
RES 150 Residential Sales & Leasing Documentation .... 1.5
RES 165 Real Estate Loan Officer ..................... 3
OR
RES 166 Real Estate Loan Processor .................. 4
RES 260 Real Estate Finance – Commercial ............. 2
RES 170 Real Estate Law .................................. 3
RES 180 Basic Appraisal Principles ...................... 3
RES 183 Basic Appraisal Procedures ..................... 3
RES 184 Residential Market Analysis & Highest & Best Use .......... 1.5
RES 185 Residential Appraiser Site Valuation & Cost Approach .... 1.5
RES 186 Residential Sales Comparison & Income Approaches ...... 3
RES 187 Residential Report Writing ..................... 1.5
RES 188 Statistics, Modeling & Finance ................. 1.5
RES 189 Advanced Residential Applications ............... 1.5
RES 220 Real Estate Economics ......................... 3
RES 235 Sales & Marketing .................................. 3
RES 281 National USPAP Course ......................... 1.5

TOTAL CREDITS 69.5-71.5

* Students may challenge by passing the RES 125 test.

Licensed Residential Appraiser
Certificate

TECHNICAL SPECIALTY COURSES
RES 100 Real Estate Fundamentals .................. 5
RES 101 Technology for Real Estate .................. 5
RES 106 Real Estate Fraud .......................... 1
RES 125 Applications of Real Estate Math * ........... 2
RES 180 Basic Appraisal Principles ...................... 3
RES 183 Basic Appraisal Procedures ..................... 3
RES 184 Residential Market Analysis & Highest & Best Use ............. 1.5
RES 185 Residential Appraiser Site Valuation & Cost Approach .......... 1.5
RES 186 Residential Sales Comparison & Income Approaches ............ 3
RES 187 Residential Report Writing ..................... 1.5
RES 220 Real Estate Economics ......................... 3
RES 235 Sales & Marketing .................................. 3
RES 281 National USPAP Course ......................... 1.5

TOTAL CREDITS 34

* Students may challenge by passing the RES 125 test.

Real Estate Brokerage
Certificate

TECHNICAL SPECIALTY COURSES
RES 100 Real Estate Fundamentals .................. 5
RES 106 Real Estate Fraud .......................... 1
RES 130 Green Real Estate ........................... 3
RES 142 Inspecting the Condition of Real Estate ............. 3
RES 150 Real Estate Sales & Leasing Documentation .......... 1.5
RES 165 Real Estate Loan Officer ..................... 3
RES 166 Real Estate Loan Processing ................... 4
RES 260 Real Estate Finance – Commercial ............. 2
RES 170 Real Estate Law .................................. 3
RES 190 Real Estate Escrow I ............................ 3
RES 230 Professional Business Practices of Brokerage Management ...... 5
RES 235 Sales & Marketing .................................. 3

TOTAL CREDITS 29.5-31.5

Courses with "&" are part of a new statewide common course numbering system. See page 325.
Commercial Real Estate
Certificate
TECHNICAL SPECIALTY COURSES
RES 141 Land Use Principles & Practice 3
RES 217 R.E. Development & Sustainability 3
RES 260 R.E. Finance – Commercial 2
RES 290 Commercial Sales & Leasing 3
RES 295 Commercial R.E. Investment Analysis 2
RES Electives 3
TOTAL CREDITS 16

Commercial Real Estate and Investment
Certificate
TECHNICAL SPECIALTY COURSES
RES 110 Intro to Commercial Real Estate 3
RES 125 Applications of Real Estate Math * 2
RES 141 Land Use Principles & Practice 3
RES 170 Real Estate Law 3
RES 217 R.E. Development & Sustainability 3
RES 220 Real Estate Economics 3
RES 260 Real Estate Finance – Commercial 2
RES 290 Commercial Sales & Leasing 2
RES 295 Commercial Real Estate Investment Analysis 2
Approved Elective * 3
TOTAL CREDITS 26
* Choose 3 credits from approved list. See Advising Center.

Real Estate Escrow
Certificate
TECHNICAL SPECIALTY COURSES
RES 100 Real Estate Fundamentals 5
RES 106 Real Estate Fraud 1
RES 160 Ethics for Loan Originators 1
RES 150 Real Estate 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
Approved Electives * 6
TOTAL CREDITS 25.5
* Choose any courses with RES prefix, or CWE 101 or CWE 110.

Real Estate Loan Originator
Certificate
TECHNICAL SPECIALTY COURSES
RES 100 Real Estate Fundamentals 5
RES 106 Real Estate Fraud 1
RES 125 Applications of Real Estate Math * 2
RES 160 Ethics for Loan Originators 1
RES 165 Real Estate Loan Officer 3
RES 180 Basic Appraisal Principles 3
RES 235 Sales & Marketing 3
RES 266 Real Estate Loan Underwriter 3
Approved Electives ** 3
TOTAL CREDITS 24
* Students may challenge by passing the RES 125 test.
** Choose 3 credits from approved list. See Advising Center.

Real Estate Loan Processor
Certificate
TECHNICAL SPECIALTY COURSES
RES 100 Real Estate Fundamentals 5
RES 106 Real Estate Fraud 1
RES 160 Ethics for Loan Originators 1
RES 166 Real Estate Loan Processing 4
RES 175 Intro to Title 3
RES 190 Real Estate Escrow I 3
RES 266 Real Estate Loan Underwriter 3
Approved Elective * 3
TOTAL CREDITS 23
* Select from approved list. See Advising Center.
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 101 Technology for Real Estate  ................. 5
Choose two:
-RES 201 Principles of Real Estate Management ...... 3
-RES 202 Multi-Family Property Management .......... 3
-RES 203 Commercial Property Management ......... 3
RES 220 Real Estate Economics  .................... 3
Approved Elective *.................................... 3
TOTAL CREDITS 26.5
* Choose any non-required RES course or BUS 140, 197, 131, 230, 236 or CWE 100.

Real Estate Sales
Certificate

TECHNICAL SPECIALTY COURSES
RES 100 Real Estate Fundamentals ................. 5
RES 106 Real Estate Fraud ............................ 1
RES 125 Applications of Real Estate Math * ......... 2
RES 140 Real Estate Sales Practice .................... 3
-RES 290 Commercial Sales & Leasing ................. 3
-RES 142 Inspecting the Condition of Real Estate ...... 3
-RES 175 Intro to Title .................................. 3
-RES 180 Basic Appraisal Principles ................. 3
-RES 190 Real Estate Escrow I ....................... 3
RES 150 Residential Sales & Leasing Documentation .... 1.5
RES 165 Real Estate Loan Officer ...................... 3
-RES 166 Real Estate Loan Processing ................. 4
RES 260 Real Estate Finance – Commercial .......... 2
RES 170 Real Estate Law ........................... 3
TOTAL CREDITS 20.5-22.5
* Students may challenge by passing the RES 125 test.

Real Estate Sales (Advanced)
Certificate

TECHNICAL SPECIALTY COURSES
RES 100 Real Estate Fundamentals ................. 5
RES 101 Technology for Real Estate ................. 5
RES 125 Applications of Real Estate Math * ......... 2
RES 130 Green Real Estate ............................ 3
RES 140 Real Estate Sales Practice .................... 3
-RES 290 Commercial Sales & Leasing ................. 3
-RES 142 Inspecting the Condition of Real Estate ...... 3
-RES 175 Intro to Title .................................. 3
-RES 180 Basic Appraisal Principles ................. 3
-RES 190 Real Estate Escrow I ....................... 3
RES 150 Residential Sales & Leasing Documentation .... 1.5
RES 176 Using Tax-Deferred Exchanges ............... 1.5
RES 177 Real Estate Taxes ........................... 1.5
RES 178 Buyers Agency .............................. 1.5
RES 180 Basic Appraisal Principles ................. 3
RES 200 Seminar in Current Real Estate Issues ....... 3
RES 201 Principles of Real Estate Management ....... 3
RES 202 Multi-Family Property Management .......... 3
RES 203 Commercial Property Management .......... 3
RES 210 Residential Property Investments .......... 3
RES 217 R.E. Development & Sustainability .......... 3
RES 225 Current Trends in Real Estate Market Analysis 1.5
RES 235 Sales & Marketing ............................ 3
RES 280 Commercial Real Estate: Market & Income .... 3
RES 281 National USPAP ............................ 1.5
RES 298 Special Projects ............................ 2-5
CWE 101 Portfolio, Job Search, & Interviewing ....... 2
CWE 110 Internship ................................. 3

Courses with * & are part of a new statewide common course numbering system. See page 325.
WATCH TECHNOLOGY INSTITUTE
Business, Engineering & Information Technologies Division
(206) 526-0169

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 at erolf@sccd.ctc.edu.

Students may also take Jewelry Design courses (ART 281, 282, 283) which are not required for the certificate or degree.

Certificate

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HIN 111</td>
<td>Watch Technology I – Intro</td>
<td>6</td>
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<tr>
<td>HIN 112</td>
<td>Watch Technology I – Tools, Equipment/Measurement</td>
<td>6</td>
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<tr>
<td>HIN 113</td>
<td>Watch Technology I – Practicum</td>
<td>10</td>
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<tr>
<td>HIN 121</td>
<td>Watch Technology II – Professional Knowledge</td>
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<tr>
<td>HIN 122</td>
<td>Watch Technology II – The Watchmaker’s Lathe</td>
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<td>HIN 123</td>
<td>Watch Technology II – Practicum</td>
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<tr>
<td>HIN 131</td>
<td>Watch Technology III – Winding &amp; Setting</td>
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<td>HIN 132</td>
<td>Watch Technology III – Escapements</td>
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<td>HIN 133</td>
<td>Watch Technology III – Practicum</td>
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<tr>
<td>HIN 141</td>
<td>Watch Technology IV – Escapements 2</td>
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<td>HIN 142</td>
<td>Watch Technology IV – Balance Springs</td>
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<td>HIN 143</td>
<td>Watch Technology IV – Practicum</td>
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<td>HIN 211</td>
<td>Watch Technology V – Intro to Precision Timing</td>
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<td>HIN 212</td>
<td>Watch Technology V – Intro to Electronic Watches</td>
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<td>HIN 213</td>
<td>Watch Technology V – Practicum</td>
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<td>HIN 221</td>
<td>Watch Technology VI – Advanced Precision Timing</td>
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<td>HIN 222</td>
<td>Watch Technology VI – Intro to Automatic Mechanisms</td>
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<td>HIN 223</td>
<td>Watch Technology VI – Practicum</td>
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<td>HIN 231</td>
<td>Watch Technology VII – Advanced Precision Timing</td>
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<td>HIN 232</td>
<td>Watch Technology VII – Chronographs</td>
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<td>HIN 241</td>
<td>Watch Technology VIII – After Sales Service</td>
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<td>HIN 242</td>
<td>Watch Technology VIII – Review of Course</td>
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<td>HIN 243</td>
<td>Watch Technology VIII – Practicum</td>
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TOTAL CREDITS 164

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

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ACCT 110</td>
<td>Intro to Accounting/Bookkeeping</td>
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<tr>
<td>BUS&amp; 101</td>
<td>Intro to Business</td>
<td>5</td>
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<td>CMST 185</td>
<td>Organizational Communication</td>
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<tr>
<td>ENGL&amp; 230</td>
<td>Technical Writing</td>
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<tr>
<td>ENGL&amp; 101</td>
<td>English Composition</td>
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</table>

* Satisfies 5 General Education requirements.

GENERAL EDUCATION COURSES
Select 5 more credits from approved list.
See Advising Center.

TOTAL CREDITS 192

Courses with “&” are part of a new statewide common course numbering system. See page 325.