Dr. Charles H. Mitchell, President
1701 Broadway
Seattle, WA  98122-9905
(206) 587-3800
http://seattlecentral.org/sccc/

“...I have found that the success of Seattle Community College students flows over the community as a whole in many positive ways...”

Robert Ewing, honor student, transferring to the University of Washington for a bachelor’s degree and degree in law.
MISSION

Seattle Central Community College promotes educational excellence in a multicultural urban environment.

We ensure opportunities for academic achievement, workplace preparation and service to the community by creating a learning environment which is accessible, diverse, responsive and innovative.

ABOUT THE COLLEGE

Seattle Central overlooks downtown Seattle from Capitol Hill, one of the liveliest neighborhoods in the city. The college promotes educational excellence in its multicultural urban environment, and has received national recognition for its innovative student services and educational programs. Central's coordinated studies program was a pilot for the nation, with multi-disciplinary teams of faculty who teach around a central theme of inquiry.

It's not all study at Seattle Central. The new campus Student Activity Center draws students with its swimming pool, racquetball courts and weight rooms. And a new Fine and Performing Arts Center benefits both students and the city's arts scene.

The college is among the top five in the state to transfer students to four-year colleges, and it also offers more than 30 professional-technical programs, in well-paying, high-demand fields such as Arts Management, Biotechnology, Commercial Photography, Information Technology and Wireless Communications. Details on these programs and more are in this section.

1998-1999 Academic Year Statistics +

STUDENTS

Headcount 19,050
Median Age ++ 27
Male/Female 43 / 57%
Full-time/Part-time 49 / 51%
Diversity Rate 50.9%
Distance Education 1645
International 760
Running Start 578
Worker Retraining* 335

++ Fall 1999 State Supported; Source: SBCTC Student MIS:SR1102, Version 3
* Includes Dislocated Natural Resource Workers

STUDENT SERVICES AT CENTRAL

<table>
<thead>
<tr>
<th>Service</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Advising</td>
<td>(206) 587-4068</td>
</tr>
<tr>
<td>Admissions</td>
<td>(206) 587-5450</td>
</tr>
<tr>
<td>Career Info Center</td>
<td>(206) 344-4383</td>
</tr>
<tr>
<td>Counseling</td>
<td>(206) 587-3851</td>
</tr>
<tr>
<td>Financial Aid</td>
<td>(206) 587-3844</td>
</tr>
<tr>
<td>International Student Admissions</td>
<td>(206) 587-3893</td>
</tr>
<tr>
<td>Registration</td>
<td>(206) 587-6918</td>
</tr>
<tr>
<td>Voice &amp; TDD</td>
<td>(206) 344-4347</td>
</tr>
<tr>
<td>Testing Services</td>
<td>(206) 587-6344</td>
</tr>
<tr>
<td>Tutoring Services</td>
<td>(206) 587-3852</td>
</tr>
</tbody>
</table>
Student Services

ACADEMIC & CAREER RESOURCES

Advising Center
(206) 587-4068

The Advising Center assists students with selecting classes based on a student’s background and test results. Advisors provide students with accurate and up-to-date academic information before and during registration by assisting them in selecting appropriate courses to their individual academic goals as well as the requirements for two-year degrees and/or transferring to a four-year institution.

Campus Library
(206) 587-4050

The library offers a wide range of resource information and services to students and the college community. Librarians are available to help students take full advantage of the library’s electronic databases and find books, reference resources, periodicals, and audio-visual media.

The Seattle Central library collection is accessible district-wide. Students can use the inter-library loan to access library materials from other libraries in Washington and nearby states.

Center for Deaf Students
(206) 587-4183

The Center for Deaf Students at the Seattle Community Colleges, based at Seattle Central Community College, provides services for Deaf Students throughout the district. The Center for Deaf Students works to assist deaf and hard of hearing students with interpreting, counseling, and notetaking. Each student receiving support services from the Center works with a counselor fluent in American Sign Language and may receive interpreting and notetaking services for classes, tutoring, and school-related activities.

The public TTY at Seattle Central Community College is located in the hallway near room BE 1140.

College Transfer Advising Center
(206) 587-5469

Planning to transfer to a four-year school? The College Transfer Advising Center, located in room BE 1107, is available to all registered SCCC students with a special focus on the needs of students of color. The Center enables SCCC students to learn about transfer opportunities and meet representatives from local and national four-year schools.

The Center also houses the Transfer Resource Library (room BE 1107K), which contains college catalogs, scholarship information, transfer guides, applications, and information on majors for local and national four-year schools. It also has Internet access to universities and colleges nationwide, and free scholarship locators linked through the District website http://www.sccd.ctc.edu.

Center staff members are available to answer questions and provide support in the transfer process. Students are advised to take charge of their education and become experts in their own transfer planning.

OFFICE HOURS:
Monday .............................................................. 8:00 a.m. - 4:30 p.m.
Tuesday ............................................................. 10:00 a.m. - 6:00 p.m.
Wed - Fri ............................................................. 8:00 a.m. - 4:30 p.m.

College-wide Tutoring
(206) 587-3852

The college-wide tutoring service provides individual and group tutoring. In addition, a wide range of workshops to improve study skills are also available. For information, visit room BE 1106 or call the coordinator at (206) 587-5463.

TUTORING HOURS:
Mon - Thurs ........................................................... 8:00 a.m. - 8:00 p.m.
Friday ................................................................. 8:00 a.m. - 4:00 p.m.
Saturday ................................................................... 11:00 a.m. - 3:00 p.m.

Computer Center
(206) 587-4194

The Computer Center is available to all Seattle Central students and offers PC and Macintosh computers. Current Seattle Central enrollment, a diskette, and a lab fee are required. Students without computer experience are encouraged to enroll in MIC 102-I (a one-credit orientation course) or MIC 102-W (a one-credit introduction to Microsoft Word) prior to use. Call the Center for more information.

Career Information Center
(206) 344-4383

The Career Information Center (CIC), located in room 1107F, is a self-help resource center where currently enrolled students and the public can discover their career options, learn more about their career choices, locate educational programs, and search for scholarship information. The CIC maintains computerized self-assessments, occupational databases, books, videotapes, and a variety of publications. The Center provides help with the career decision-making process, career exploration, college search and scholarship search. Services are available daily 8:30 a.m. - 4:30 p.m. and Tuesday from 8:30 a.m. - 6:30 p.m.

Career Placement Center
(206) 587-5422

The Career Placement Center offers the following resources and services to enrolled students: job/internship/volunteer listings; job search information; resume and employment letter critiques; on-campus employer/agency recruiting visits; annual career fair; and access to a computer for resume and cover letter preparation or to search for jobs over the Internet.
Counseling Services
(206) 587-3851
Counselors work in divisions throughout the college to assist students in educational planning and advising, and career and personal counseling. Counselors located in professional technical programs offer information sessions and are generally the individuals to contact for admission to specific programs.

DECLARE
(206) 587-5561
The DECLARE Program assists students with choosing their major field of study before transferring to a four-year college or university. DECLARE features regularly scheduled workshops and individual orientations to aid students in declaring a college major and includes workbooks and the Strong Interest Inventory. This program works closely with SCCC's Academic Advising and College Transfer Advising Centers to provide students the resources and advising needed to successfully transfer and earn their bachelor's degree.

Disability Support Services
(206) 587-4183 (Voice/TDD)
Students with special needs are encouraged to contact this office prior to registration to help determine what services are needed and available. All inquiries are considered confidential. Documentation of disability is required. Support services can include advocacy, counseling, referral for diagnostic testing for learning disabilities, notetakers, readers, special testing accommodations, support groups, scribes, and taping of textbooks. It is important that students register with the Disability Support Services Office before accommodations are arranged.

Media Services
(206) 587-4053
The Media Services department is part of the library and provides audio-visual equipment and media to support classroom instruction and enhance the learning process. Items available to students and faculty include audio and videotapes, CDs, slides, camcorders, video projectors, monitors, and VHS units.

Student Academic Assistance Department
(206) 587-3852
The Student Academic Assistance Department, and its primary program, Student Support Services, a TRIO Program provides free support services to promote the academic, career and personal growth of students. To qualify, students participate in a needs assessment with a counselor who will provide assistance for any of the center's five service areas: counseling, tutoring, career information, skill development workshops, and trips to four-year colleges and universities. Services are available daily 8:00 a.m. - 4:30 p.m. Counseling is also available Tuesday evenings, 4:00 - 6:00 p.m. (room BE1106).

Study Abroad Office
(206) 344-4486
Visit the Study Abroad Office in Room 204 of the South Annex (corner of Broadway and Pine) and browse through our resource library for study and work programs offered throughout the world. Appointments are recommended for advising sessions.

Testing Office
Automated Appointment Scheduling (206) 587-6913
GED (206) 587-6915
OFFICE INFORMATION (206) 587-6344
The Testing Office, room 1108, offers math and English placement tests, GED, and limited vocational tests. A testing schedule is posted outside the office and by telephone.

Transfer by Major
Transfer by Major is a program for community college students who plan on seeking a 4-year degree from a 4-year institution in Washington state. The goal of this program is to encourage students to select a transfer destination and a major field of study early in their enrollment process which allows the colleges to track the student's progress in meeting transfer admissions requirements. Undecided students may also use this program to determine a future course of action.
**CAMPUSS LIFE**

**Art Gallery**  
(206) 344-4379  
Located in the Atrium (room BE2116), the art gallery offers exhibits and activities from September through June. Hours are 9 a.m. to 3 p.m., Monday through Friday; also, 5 p.m. to 7 p.m., Tuesdays and Wednesdays.

**Associated Student Council**  
(206) 587-4057  
Each student paying service and activities (S & A) fees as part of tuition automatically becomes a member of the Associated Student Body (ASB). ASB services include sponsorship of educational, cultural, and recreational activities such as films, dances, concerts, lectures, dinners, and festivals. The Associated Students Council (ASC) is the official student government, and is responsible for representing students' interests to the college administration and for allocating funds for tutoring, childcare, and other special projects.

**Bookstore**  
(206) 587-4148  
The bookstore, located across Broadway from the main college building (room SAC 250), is well stocked with new and used textbooks, general interest books, school supplies, and sundry items. The bookstore offers a textbook buy-back service every day with a special student buy-back the last week of each school quarter.

**Childcare Center**  
(206) 587-6938  
The Childcare Center is located in room BE 1113 and is certified to care for children ages 18 months through 5 years old. Our teacher:child ratio is maintained at 1:10 or less for preschool age children and 1:7 or less for toddlers. The Center is open from 7:50 a.m. - 4:30 p.m. during fall, winter and spring quarters. Tours of the center are available upon request. Registration is required. Call for registration dates.

**Food Services**  
(206) 344-4319  
The Atrium Cafeteria, located across from Registration, is open from 7:30 a.m. until 8:00 p.m. Monday - Thursday and until 2:00 p.m. on Friday. This area features a variety of breakfast items, beverages, soup, salad bar, sandwiches, and snacks. The Central, located across the hall from Financial Aid, has similar hours, but remains open until 8:15 p.m. Monday - Thursday. The Central features coffee, a wide variety of beverages, pastries, snacks, wrapped sandwiches and essential school supplies. The espresso stand, next to the first floor Broadway entrance serves 75,000 cups of java of every description each year to the campus community.

**Housing**  
(206) 587-6924  
On-campus housing is not available. However, the Student Leadership office, located above the bookstore, provides forms for posting housing information on the housing bulletin board. The bulletin board, listing housing information is located in the main school hallway across from the information center.
Leadership Institute
(206) 587-3890
The Leadership Institute features discussions with campus and community leaders, and skill building workshops. The institute is designed for student leaders, but is open to all students. Meetings run every Tuesday 1:30 p.m. – 2:30 p.m. in the Leadership Conference Room.

Metro Bus Service
SCC Transportation Services  (206) 587-6932
Due to limited parking and environmental concerns, carpooling or bus transportation is strongly encouraged. The college is well-served by the Metro bus system. Students registered for 10 or more credits are eligible to purchase a “Go Pass” – a reduced price Metro pass – at the Cashier’s Office. Students registered for 10 or more credits using Community Transit, Pierce Transit or the State Ferry systems are eligible for a subsidy once a quarter. Students can contact Transportation Services in room BE1112.

Parking Services
(206) 587-6932
Student parking in the garage before 1:00 p.m. is limited to students with SCCC carpool permits. Frequently, the supply of permits/parking spaces is insufficient to meet this demand. Single occupant student parking permits are available only for the evening period, which starts at 1:00 p.m. After 1:00 p.m., parking can also be paid for on a daily basis ($4/day) without a quarterly permit. Student carpool applications are available at Transportation Services in room BE1112. Student single occupant parking permits can be purchased at the Cashier’s Office or in the evening at the Information Office, room BE1109.

Safety
(206) 587-5442
The students’ well-being and safety are of utmost importance. It is vital that everyone follow strict safety procedures recommended in vocational classes. In the event of an on-campus accident or injury, students and faculty should report the accident to the Campus Security office so the injury can be addressed and an accident report completed. Do not hesitate to immediately call 9-911 for serious injuries. Instructors must be notified if the accident occurs during class.

Personal safety: Each of the campuses in the Seattle Community College District is a unique community where thousands of people work and study. However, as each campus is also open to the public, students should use the same caution as they would in any public place in taking care of their personal safety and personal belongings. Helpful campus information and statistics on personal safety are available at the Campus Security Office, as well as at offices of the Registrar, Financial Aid, and Student Leadership.

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

Sexual harassment: Brochures outlining policy and procedures regarding sexual harassment complaints are also available at the locations listed above.

Student Accident Insurance
(206) 587-6924
Accident insurance is available to students registered for 6 or more credits. The district-wide policy provides broad coverage at a comparatively inexpensive rate. Information is available in the Student Leadership Office (above the Bookstore).
Student Activity Center
Recreation Info Line (206) 587-6315
A wide array of equipment and activities are housed in the new three level building complex directly east of the main campus: 5,000 sq. ft. fitness center, locker rooms with saunas, lap pool with adjacent spa, indoor squash and racquetball courts, indoor track and a gym with event seating for 1,000 spectators. Members are eligible to use all of the center's facilities and provided sports equipment and towels free of charge.

Student Ambassador Program
(206) 587-3890
SCCC Ambassadors represent the school in the community or serve as campus hosts. To be eligible for ambassadorship, students must complete HDC 120, Intro to Leadership Theory and Practice, or participate in a student board training program.

Student Leadership Division
(206) 587-6924
The Student Leadership Division offers a wide variety of opportunities for involvement in learning experiences outside the formal classroom. Call for information about:

- Student Programs, which sponsor lectures, performances, cultural celebrations, art and craft fairs and other activities and events that inspire, entertain and complement classroom studies.
- Student Organizations, which offer students the opportunity to gain experience and skills in event-planning, team-building, public speaking, fiscal management and leadership.
- Associated Student Council, which includes student representatives of the Seattle Central Community College student body and holds weekly open meetings in the Student Leadership office located above the bookstore.

Students are encouraged to visit the Student Leadership office, which provides a broad spectrum of information and resources to assist with issues both on campus and in the community.

Student Publications
CITY COLLEGIAN (206) 587-6959
The City Collegian is the college newspaper published for and by students at Seattle Central Community College. A governing board sets policy guidelines. Students should contact the City Collegian if interested in joining the editorial or production staff.

THE WOMEN’S FORUM (206) 587-3854
Published quarterly through Women’s Programs, the Women’s Forum features articles, poetry and artwork by and about SCCC students.

Wellness Center
(206) 344-4413
Central's Wellness Center offers a comprehensive program of prevention and wellness to create an environment supportive of healthier lifestyle choices. The Center is located in room BE1146.

BEYOND THE CAMPUS

SCCC Alumni Association
(206) 587-6940
The Alumni Association offers educational, cultural, social and family programs and activities, as well as professional and personal development courses. All graduates, faculty, staff, and former students are invited to join.

The SCCC Foundation
(206) 587-6940
The Seattle Central Community College Foundation's primary focus is helping the college ensure that its students receive the educational access and opportunities they need to succeed. To this end, the Foundation’s volunteer board of directors actively seeks funding to support essential college programs and activities which are generally not funded by state or federal monies. Just as important, the board assists the college in establishing closer ties with the Seattle business community.

The three primary funding priorities of the Foundation are the college-wide tutoring program, the scholarship program and the child care scholarship fund.
Special Programs & Services

Institute of English
(206) 587-3893
The Seattle Central Institute of English is a self-supporting program offering a variety of accelerated English as a Second Language courses and related training for international students, business people, and tourists. Most SCIE students are either preparing to enter U.S. colleges and universities, or are interested in improving their English skills for use in their home, country, or business.

International Student Office
(206) 587-3893
This office can help international students get started in their educational program and adjust to the Seattle area. See page 11 for additional information.

Multicultural Affairs Academic Support
(206) 587-5466
Seattle Central attracts a culturally diverse population of students, who are assisted in obtaining educational support services for success. In addition, multi-ethnic social and cultural events, such as celebrations of Black History Month, Cinco de Mayo, and Lunar New Year are sponsored by the Student Leadership office at (206) 587-6924; room SAC 315 (above the Bookstore).

Veterans’ Affairs
(206) 587-4147
This office provides several special services for veterans. For more details, see “Financial Assistance for Veterans,” page 8.

Women’s Programs
(206) 587-3854
The Women’s Programs (room BE1139) assist women in identifying and achieving their educational and career goals, with a special emphasis on support for low-income returning women students and women pursuing non-traditional career options. This office also coordinates WorkFirst services for the college, including Tuition Assistance for low-income parents. Students can also access Women’s Programs at the Internet site: http://www.sccd.ctc.edu/~msuth.

The Women’s Forum, a student publication celebrating the literary and artistic expression of SCCC women, is published at the beginning of winter and spring quarters.

Women’s Programs also sponsors student organizations such as Women in Science and Engineering, EMPOWER, a support and advocacy group for single parent students focused on public assistance and childcare concerns. The Wednesday Noon Lecture Series, free and open to all, brings a wide variety of guest speakers to campus to discuss issues of concern to women. SCCC students may also register for HDC 190, Women in Society, to receive credit for participating in the lecture/discussion series.

Worker Retraining
(206) 587-6310 V/TDD
The Worker Retraining office has been established to help dislocated and unemployed workers return to the labor force following an industry decline or mass layoff. The office provides career planning, placement, job search assistance, training, and financial aid.
College Transfer at Central
Seattle Central Community College offers a full spectrum of college transfer courses that apply toward a four-year program of study. Students are encouraged to attain their associate of arts or associate of science degree at Seattle Central Community College for greater ease of transfer to a four-year institution; they may also take individual classes for transfer. It is recommended that students confer with an academic advisor to ensure course transferability.

Students planning to earn an A.A. 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.

See page 18 for areas of study for the A.A. or A.S. degree.

ACADEMIC PROGRAMS
College transfer courses are offered in several disciplines, including:

- Anthropology
- Art
- Chemistry
- Communication/Speech
- Computer Science/Mathematics
- Drama
- Earth Science
- Economics
- English
- Environmental Science
- Foreign Languages
- General/Biological Science
- Geography
- Human Biology
- Humanities
- Journalism
- Music
- Philosophy
- Physical Science

These fields of study are grouped among three Areas of Knowledge (see page 17) and are included throughout the A.A. degree curriculum.

For Science Pre-Majors
Refer to the College Transfer Section of this catalog (page 16) for a list of science pre-major programs that can be taken in the first two years of a four-year program.

For Engineering Pre-Majors
Science & Math Division (206) 587-3858

The courses listed below generally meet requirements for the first and second years of study toward completion of a four-year engineering program, but may not constitute a complete two-year program leading to junior standing. Students who anticipate transferring to a specific school should consult with a counselor for assistance in course selection.

SUGGESTED COURSES
Chemistry 140, 150 and 160 (some majors require only 8 credits)
Engineering 123, 142, 161, 170, 171, 210, 215, 220, 230, 231, 260
English 106
Math 124, 125, 126, 220, 238
Physics 201, 202, 203

OTHER REQUIREMENTS
Credits in general education, English and liberal studies as required for an A.A. or A.S. degree.
Basic Studies

Basic Studies at Central
(206) 587-4180

Basic studies programs provide instruction for those who want to improve basic verbal and math skills or earn a high school diploma in order to get better jobs, continue their education, and improve their lives. Each of the programs in this area is designed to meet a particular set of student needs.

Adult Basic Education

Adult Basic Education (ABE) is a tuition-free program that enables adults to improve basic reading, writing, and math skills. Students in this program can start at a level that matches their current skills and progress at their own pace. Classes in basic math and communication skills are designed to help adults become more self-sufficient, find better jobs, or qualify for entry into post-secondary education programs. Class activities help students work more effectively with others, understand how they can increase their own learning, and increase personal responsibility. In addition to teacher-led classes, students can learn basic skills through the use of computers and improve their computer literacy skills. Classes are offered from Level 2 through Level 4. (See course descriptions under Adult Basic Education.)

General Education Development Preparation

Adults may demonstrate that they have reached an education level equal to a high school diploma by taking the General Education Development (GED) test. GED preparation helps students improve their reading, writing, and math skills before taking the test. The course also covers the science and social studies skills required to pass the test. The class stresses math for practical problem-solving, English usage, reading comprehension and test-taking skills.

Ability to read at or above eighth grade level or completion of ABE Level 3 is required for students. Students who pass the GED test earn a GED certificate, acceptable to colleges, vocational programs, unions, and many employers as equivalent to a high school diploma. (See course descriptions under General Educational Development.)

English as a Second Language

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

English as a Second Language classes are free for U.S. residents. A wide range of class levels start at the literacy level (pre-beginning) and progress through the intermediate level. Emphasis is on improving listening, comprehension, pronunciation, vocabulary development, and English structure. An ESL skills lab provides additional practice in pronunciation, listening, and conversation outside the classroom. Students can also improve English skills through the use of computers. (See course descriptions under English/English as a Second Language.)

Transitional English as a Second Language

This program is designed for students preparing for vocational or academic study at U.S. colleges. The classes help non-native speakers develop better speaking, reading, and writing skills needed for college-level study. Beginning with grammar and vocabulary skills, the courses advance to note-taking, composition, oral presentation and class discussion skills at a more advanced level. Two levels of Transitional English as a Second Language are available. Students must qualify for transitional ESL by taking the SLEP test. Pre-college level courses require payment of tuition. (See course descriptions under English/English as a Second Language.)
High School Completion  
(206) 344-4483

For students who have not completed work for a high school diploma, High School Completion offers the opportunity to earn the diploma through two options. The basic requirements for each of these options are listed below, but students planning to work toward a high school diploma should obtain a copy of “Requirements for the High School Diploma” from a counselor or advisor for complete information.

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

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

**OPTION A:**

**Standard High School Diploma**  
(95 college credits)

A high school diploma may be earned by satisfactorily completing 95 college credits consisting of the required courses and approved elective courses. The majority of these classes are college level substitute courses. Placement into these substitute courses is based on assessment results.

An applicant must submit an official transcript of the last high school attended and transcripts from any colleges attended. Transcripts will be evaluated to show how many credits or equivalent courses apply towards the 95 credits. A minimum grade point average of 2.0 is required for graduation. The final quarter of attendance must be taken at Seattle Central.

REQUIRED COURSES OR APPROVED COLLEGE SUBSTITUTE:*  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sophomore English (ENG 092)</td>
<td>5**</td>
</tr>
<tr>
<td>Junior English (ENG 094 or 095)</td>
<td>5</td>
</tr>
<tr>
<td>Senior English (ENG 096 or 101)</td>
<td>5</td>
</tr>
<tr>
<td>Fine Arts (Drama, Music or Art)</td>
<td>5</td>
</tr>
<tr>
<td>Pacific Northwest History (HIS264)</td>
<td>5</td>
</tr>
<tr>
<td>U.S. History I (HIS 111, 113, or 114)</td>
<td>5</td>
</tr>
<tr>
<td>U.S. History II (HIS 106, 112, or 115)</td>
<td>5</td>
</tr>
<tr>
<td>Contemporary World Problems</td>
<td>5</td>
</tr>
<tr>
<td>Mathematics series (MAT 081)</td>
<td>10</td>
</tr>
<tr>
<td>Science</td>
<td>10</td>
</tr>
<tr>
<td>Occupational Education</td>
<td>5</td>
</tr>
<tr>
<td>Physical Education (PEC 109, 129, 131)</td>
<td>2</td>
</tr>
<tr>
<td>Health (HEA 125, 150)</td>
<td>5</td>
</tr>
<tr>
<td>Approved Electives</td>
<td>23-25</td>
</tr>
</tbody>
</table>

*Students wishing to substitute a course for one of the requirements should contact a counselor.

An applicant must also submit an official transcript of the last high school attended and transcripts from any colleges attended. Transcripts will be evaluated to show how many credits or equivalent courses apply towards the 95 credits. A minimum grade point average of 2.0 is required for graduation. The final quarter of attendance must be taken at Seattle Central.

**OPTION B:**

**Associate Degree Conversion Diploma**

A student may be granted a high school diploma by satisfactorily completing the Associate of Arts Degree or the Associate of Science Degree and the following additional courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. History I (HIS 111, 112, or 114)</td>
<td>5</td>
</tr>
<tr>
<td>U.S. History II (HIS 106, 112, or 115)</td>
<td>5</td>
</tr>
<tr>
<td>Pacific Northwest History (HIS264)</td>
<td>3.5</td>
</tr>
</tbody>
</table>

**ABOUT THE TUITION WAIVER FOR HIGH SCHOOL COMPLETION**

80% of the regular tuition is waived for students who fulfill the following criteria:

1. Age 19 or older
2. Resident of the State of Washington

To receive a tuition waiver, a student must submit an application for high school diploma completion. If the student selects the associate degree option, only the courses listed above for Option B will be covered by the waiver.

Students under 18 years old and whose class has not yet graduated must pay the regular tuition fees for their courses unless they enroll in Running Start (see page 22). Non-residents will be charged the resident tuition fee.

Students must also be approved to attend Seattle Central by the Director of Admissions and obtain a letter of release from their school district. Seattle School District students should contact the Office of Student Placement.
Continuing Education

CONTINUING EDUCATION AT SEATTLE CENTRAL
(206) 587-5476
The Office of Continuing and Professional Education offers a variety of credit and non-credit educational opportunities for individuals, organizations, and businesses.

Community Education Classes
(206) 587-5448
Community Education programs focus on lifelong learning needs for personal enrichment, training and development. These programs respond to current community needs through seminars, workshops and classes that are non-credit and may range from a one evening, three-hour offering to quarter-long classes.

Computer Training Programs
(206) 587-5448
The Computer Training programs work to strengthen a range of skills from introductory computer courses in word processing, to high-end 3D animation or MSCE certification. Students have available an array of computer training programs that includes Microsoft Office Suite, database software, multimedia software, WEB design and computer programming and networking.

INTERACTIVE MULTIMEDIA COURSES
(206) 587-4060
Interactive multimedia courses come in two different formats: CD-ROM or via the Internet. Individuals who have access to the Internet can pre-register for courses online and receive their course guides, assignments, teachers review and comment via e-mail.

3D ANIMATION MULTIMEDIA COURSES
(206) 587-4060
A full range of training workshops and projects for current and aspiring professionals in the interactive multimedia industry. Focus of the instruction is on state-of-the-art software packages and programs from visual layout to 3D animation.

RetailSkills Center
(206) 587-5499
The RetailSkills Center, to be located in downtown Seattle in partnership with the National Retail Federation, will offer a variety of customized, non-credit and credit-based courses for individuals entering or currently working in the retail, financial services and hospitality industries. Computer, specialized training and certificate programs will also be provided as well.

Customized/ Certificate Training
(206) 587-5483
Continuing and Professional Education, in partnership with government and industry partners, conducts a number of extended training programs that result in a professional certificate. Programs such as bilingual court interpreter, English-as-a-Second Language Teaching Certificate and Sustainable Building Advisor Certificate Program reflect a growing trend in short-term, high-impact development for high-in-demand professionals with special knowledge and skills.

Online Training/ Courses
(206) 587-3843
Individuals who have severe time constraints, but who want to receive training in personal enrichment courses, computer training, and professional development can sign up for a variety of non-credit, online classes from the college's Continuing Education Department.

Teacher Training Program
(206) 287-5541
K-12 paraprofessionals, teacher aides, teachers and those interested in becoming teachers can enroll in the college's pre-teaching and ESL endorsement training programs and courses. Federal grants enable qualified individuals to receive courses tuition-free with books and related expenses also covered. The Teacher Training Program offers a special ESL teaching institute every summer.

Center for Independent Study
(206) 587-5422
The Center for Independent Study offers a variety of educational opportunities, including programs that grant academic credit for job, intern or volunteer service activities, and resources to assist students with their job search. The Center houses the following programs:

COOPERATIVE EDUCATION PROGRAM
(206) 587-5422
Cooperative Education is an educational program offered to students enrolled in college transfer or professional-technical programs. Students are able to earn credit for their jobs (with permission), paid or unpaid internships, or volunteer service to the community.

CAREER PLACEMENT
(206) 587-5422
Offers a variety of services to students, including job/intern/volunteer listings, professional resume and cover letter critiques, mock interviews, computer and phone access, free job search materials, and access to businesses and non-profit agencies who recruit on campus throughout the year and at the annual Career Fair.
APPAREL DESIGN & SERVICES
Communications & Design Division (206) 587-3830
This program provides the fundamentals of pattern making and garment construction for the apparel industry. Courses cover an overview of the apparel manufacturing industry; ready-to-wear and custom construction techniques; pattern making methods including, draping, flat and drafting; pattern grading; garment design; color and textiles; alterations; contemporary tailoring methods and computers.

Associate of Applied Science Degree

TECHNICAL SPECIALTY COURSES
ADS 101 Construction Techniques for Professional Applications ........................................ 4
ADS 102 Intermediate Construction for Professional Applications ........................................ 4
ADS 103 Mass Market Production Techniques .................................................................. 4
ADS 111 Design Through Flat Patternmaking I ................................................................ 4
ADS 112 Pattern Development Through Draping ................................................................ 4
ADS 113 Design Through Flat Patternmaking II ................................................................ 4
ADS 122 Professional Alterations & Fitting I .................................................................. 2
ADS 139 Intro to Apparel Manufacturing ........................................................................... 2
ADS 141 Textile Technology & Design I ............................................................................ 2
ADS 142 Textile Technology & Design II .......................................................................... 2
ADS 197* Work Experience: App'l Des. & Serv ...................................................... 8
ADS 205 Contemporary Tailoring .................................................................................. 4
ADS 207 Active Sportswear Construction .................................................................... 4
ADS 215 Intro to Pattern Grading for the Garment Industry ......................................... 4
ADS 221 Professional Alterations & Fitting II ............................................................... 2
ADS 226 Intermediate Pattern Grading ........................................................................... 4
ADS 227 Pattern Design for Ready-to-Wear ................................................................. 4
ADS 228 Pattern Design for Active Sportswear ............................................................. 4
ADS 229 Design a Line ................................................................................................. 2
ADS 230* Portfolio & Resumé Development ................................................................. 2
ADS 240* Computerized Pattern Grading .................................................................... 3
ADS 243 Textile Technology & Design III .................................................................... 2
ADS 250 Final Line Design & Development ................................................................. 6

ADDITIONAL COURSES
ADS 298 Special Topics in Apparel Design ................................................................. 1-5
BUS 185* Small Business Management .................................................................. 5
MIC 141* Computer Apps. for Apparel Design I ..................................................... 3
MIC 142* Computer Apps. for Apparel Design II ...................................................... 3
PSY 220* Psychology of Human Relations ............................................................... 3

TOTAL CREDITS 93-95

ARTS MANAGEMENT (formerly Theater Arts)
Communications & Design Division (206)587-3830

Certificate
ENG 101 Composition .............................................................................................. 5
ACC 101 Accounting Principles I ............................................................................ 5
MIC 101 Intro to Computer Applications ................................................................... 4
BUS 101 Intro to Business ....................................................................................... 5
SPE 120 Intro to Public Speaking ............................................................................... 5
HDC 106 Interview/Resumé ..................................................................................... 1
BUS 299 Special Topics: Arts Management I ........................................................... 4
BUS 299 Special Topics: Arts Management II .......................................................... 4
BUS 299 Special Topics: Arts Management III ........................................................ 4
BUS 197 Work Experience ...................................................................................... 15

TOTAL CREDITS 52

* Classes which meet the related instruction requirement.
### BIOTECHNOLOGY

**Science & Math Division**  (206) 587-3858  
Skills and training for those interested in working at biotechnology companies or research laboratories using biotechnology. An Associate of Applied Science Degree (A.A.S.) may be earned by completing the basic program requirements plus 13 credits in the visual, literary, and performing arts category, and 20 credits in the individual, cultures and society category. Please consult the counseling office for more information. Students must maintain a minimum 2.0 GPA in their coursework to remain in the program.

**Associate of Applied Science Degree**

**TECHNICAL SPECIALTY COURSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 101*</td>
<td>General Biology I</td>
<td>5</td>
</tr>
<tr>
<td>BIO 102*</td>
<td>General Biology II</td>
<td>5</td>
</tr>
<tr>
<td>BIO 195</td>
<td>Biotechnology Seminar I</td>
<td>1</td>
</tr>
<tr>
<td>BIO 196</td>
<td>Biotechnology Seminar II</td>
<td>1</td>
</tr>
<tr>
<td>BIO 197**</td>
<td>Cooperative Work Experience</td>
<td>3</td>
</tr>
<tr>
<td>BIO 280</td>
<td>Microbiology</td>
<td>5</td>
</tr>
<tr>
<td>BIO 282</td>
<td>Media &amp; Solution Preparation</td>
<td>2</td>
</tr>
<tr>
<td>BIO 285</td>
<td>Biotechnology Lab I</td>
<td>6</td>
</tr>
<tr>
<td>BIO 286</td>
<td>Biotechnology Lab II</td>
<td>6</td>
</tr>
<tr>
<td>BIO 287</td>
<td>Biotechnology Lab III</td>
<td>6</td>
</tr>
<tr>
<td>BIO 290</td>
<td>General Genetics</td>
<td>5</td>
</tr>
<tr>
<td>BIO 295</td>
<td>Immunology</td>
<td>5</td>
</tr>
<tr>
<td>CHE 101</td>
<td>Inorganic Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHE 102</td>
<td>Organic Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHE 103</td>
<td>Biochemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHE 211</td>
<td>Quantitative Analysis for Biotechnology</td>
<td>5</td>
</tr>
<tr>
<td>CSC 180</td>
<td>Scientific Computing &amp; Bioinformatics</td>
<td>3</td>
</tr>
<tr>
<td>MIC 101</td>
<td>Intro to Microcomputer Applications</td>
<td>4</td>
</tr>
</tbody>
</table>

**RELATED INSTRUCTION**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101</td>
<td>Composition</td>
<td>5</td>
</tr>
<tr>
<td>ENG 106f</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>MAT 122</td>
<td>Pre-calculus</td>
<td>5</td>
</tr>
</tbody>
</table>

* BIO 100 or ANP/ZOO 128 may be taken as substitutes.  
** May be taken any time during program. BIO 280 is recommended before applying for internship positions.  
† Students intending to complete transfer degrees (A.A. or A.A.S.) need to take ENG 102 instead.

**ELECTIVES**  5  
**TOTAL CREDITS**  95

### BUSINESS INFORMATION TECHNOLOGY

**Business, Languages & Cultures Division**  (206) 344-4347  
This program prepares students for employment as specialists in information processing and office administrative assistant positions requiring computer literacy in word processing, spreadsheet, and database business applications.

**Certificate**

**REQUIRED COURSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 113</td>
<td>Diversity Issues in Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 116</td>
<td>Business Math/Spreadsheets</td>
<td>5</td>
</tr>
<tr>
<td>BUS 131</td>
<td>Integrated Communications I</td>
<td>5</td>
</tr>
<tr>
<td>BUS 132</td>
<td>Integrated Communications II</td>
<td>5</td>
</tr>
<tr>
<td>BUS 140</td>
<td>Customer Relations</td>
<td>5</td>
</tr>
<tr>
<td>BUS 170</td>
<td>Information Technology I</td>
<td>4</td>
</tr>
<tr>
<td>BUS 171</td>
<td>Information Technology II</td>
<td>4</td>
</tr>
<tr>
<td>BUS 172</td>
<td>Information Technology III</td>
<td>4</td>
</tr>
<tr>
<td>BUS 182</td>
<td>Information &amp; Database Management</td>
<td>5</td>
</tr>
<tr>
<td>BUS 197</td>
<td>Work Experience Business</td>
<td>4</td>
</tr>
<tr>
<td>BUS 216</td>
<td>Professional Development</td>
<td>5</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS**  49

**ASSOCIATE OF APPLIED SCIENCE DEGREE**

**COMPLETION OF CERTIFICATE REQUIREMENTS**  49

**ALLIED SUPPORT COURSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 210</td>
<td>Financial Accounting Fundamentals I</td>
<td>5</td>
</tr>
<tr>
<td>BUS 100</td>
<td>Fundamentals of Supervision</td>
<td>3</td>
</tr>
<tr>
<td>BUS 101</td>
<td>Intro to Business - OR -</td>
<td>3</td>
</tr>
<tr>
<td>BUS 185</td>
<td>Small Business Management</td>
<td>5</td>
</tr>
<tr>
<td>BUS 103</td>
<td>Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>BUS 178</td>
<td>Web Site Design &amp; Development with HTML</td>
<td>5</td>
</tr>
<tr>
<td>BUS 181</td>
<td>Intro to Desktop Publishing</td>
<td>5</td>
</tr>
<tr>
<td>MIC 120</td>
<td>System Development with High Level Tools</td>
<td>4</td>
</tr>
<tr>
<td>MIC 150</td>
<td>Internet &amp; the World WideWeb</td>
<td>4</td>
</tr>
<tr>
<td>SPE 100</td>
<td>Person to Person: Fundamentals of Human Communication</td>
<td>5</td>
</tr>
</tbody>
</table>

**GENERAL EDUCATION COURSES**

Selections must be made from a list of approved general education courses.

**TOTAL CREDIT**  98
## CULINARY ARTS / HOSPITALITY

**Hospitality & Culinary Arts Division (206) 587-5425**

Seattle Central’s culinary arts program encompasses all skill levels of the restaurant, hotel and food service industries, and includes procurement, sanitation, nutrition, food preparation, service training and principles of management, with an emphasis on international cuisine. Students can begin the program during Fall, Winter or Spring quarters. The curriculum provides a six-quarter certificate, with the opportunity to earn an A.A.S. or A.A. degree thereafter.

### Technical Specialty Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUL 101</td>
<td>Intro to Professional Cooking: Theory</td>
<td>5</td>
</tr>
<tr>
<td>CUL 102</td>
<td>Quantity Cooking: Theory</td>
<td>5</td>
</tr>
<tr>
<td>CUL 103</td>
<td>Restaurant Cooking: Theory</td>
<td>5</td>
</tr>
<tr>
<td>CUL 104</td>
<td>Fine Dining: Theory</td>
<td>4</td>
</tr>
<tr>
<td>CUL 111</td>
<td>Intro to Professional Cooking: Practicum</td>
<td>4</td>
</tr>
<tr>
<td>CUL 112</td>
<td>Quantity Cooking: Practicum</td>
<td>8</td>
</tr>
<tr>
<td>CUL 113</td>
<td>Restaurant Cooking: Practicum</td>
<td>8</td>
</tr>
<tr>
<td>CUL 114</td>
<td>Fine Dining: Practicum</td>
<td>8</td>
</tr>
<tr>
<td>CUL 200</td>
<td>Advanced Culinary Management: Clinical</td>
<td>1</td>
</tr>
<tr>
<td>CUL 300</td>
<td>Chef of the Day: Practicum</td>
<td>4</td>
</tr>
<tr>
<td>CUL 251</td>
<td>Buffet Catering: Garde Manger/Ice Carving: Theory</td>
<td>4</td>
</tr>
<tr>
<td>CUL 255</td>
<td>Buffet Catering: Garde Manger/Ice Carving: Practicum</td>
<td>9</td>
</tr>
<tr>
<td>HOS 101</td>
<td>Intro to Customer Service: Practicum</td>
<td>5</td>
</tr>
<tr>
<td>HOS 102</td>
<td>Customer Service: Practicum</td>
<td>1</td>
</tr>
<tr>
<td>HOS 103</td>
<td>Table Service: Practicum</td>
<td>1</td>
</tr>
<tr>
<td>HOS 104</td>
<td>Tableside Service: Practicum</td>
<td>1</td>
</tr>
<tr>
<td>HOS 105</td>
<td>Advance Customer Service</td>
<td>5</td>
</tr>
<tr>
<td>HOS 110</td>
<td>Principles of Sanitation</td>
<td>1</td>
</tr>
<tr>
<td>HOS 111</td>
<td>Intro to Customer Service: Theory</td>
<td>1</td>
</tr>
</tbody>
</table>

### Related Instruction

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOS 100</td>
<td>Intro to Customer Service: Theory</td>
</tr>
<tr>
<td>HOS 102</td>
<td>Customer Service: Practicum</td>
</tr>
<tr>
<td>HOS 103</td>
<td>Table Service: Practicum</td>
</tr>
<tr>
<td>HOS 104</td>
<td>Tableside Service: Practicum</td>
</tr>
<tr>
<td>HOS 105</td>
<td>Advance Customer Service</td>
</tr>
<tr>
<td>HOS 110</td>
<td>Principles of Sanitation</td>
</tr>
<tr>
<td>HOS 111</td>
<td>Intro to Customer Service: Theory</td>
</tr>
</tbody>
</table>

### Technical Specialty and Related Instruction Courses.

Graduates may continue their education in the program’s continuing education classes. All programs require a high school diploma or G.E.D. and minimum 2.0 grade point average in all core and related instruction courses for completion.

The wide selection of classes includes extensive theory instruction including the French basics; hands-on training in the kitchen, bakery, dining rooms and cafeteria; restaurant management exercises; the "Chef-of-the-Day" menu writing and production course; and optional participation in competitive food shows and exhibits. All training is directly supervised by world-class executive chefs and pastry chefs. This program is accredited by the American Culinary Federation.

### Technical Specialty Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUL 101</td>
<td>Intro to Professional Cooking: Theory</td>
<td>5</td>
</tr>
<tr>
<td>CUL 102</td>
<td>Quantity Cooking: Theory</td>
<td>5</td>
</tr>
<tr>
<td>CUL 103</td>
<td>Restaurant Cooking: Theory</td>
<td>5</td>
</tr>
<tr>
<td>CUL 104</td>
<td>Fine Dining: Theory</td>
<td>4</td>
</tr>
<tr>
<td>CUL 111</td>
<td>Intro to Professional Cooking: Practicum</td>
<td>4</td>
</tr>
<tr>
<td>CUL 112</td>
<td>Quantity Cooking: Practicum</td>
<td>8</td>
</tr>
<tr>
<td>CUL 113</td>
<td>Restaurant Cooking: Practicum</td>
<td>8</td>
</tr>
<tr>
<td>CUL 114</td>
<td>Fine Dining: Practicum</td>
<td>8</td>
</tr>
<tr>
<td>CUL 200</td>
<td>Advanced Culinary Management: Clinical</td>
<td>1</td>
</tr>
<tr>
<td>CUL 203</td>
<td>Chef of the Day: Practicum</td>
<td>4</td>
</tr>
<tr>
<td>CUL 251</td>
<td>Buffet Catering: Garde Manger/Ice Carving: Theory</td>
<td>4</td>
</tr>
<tr>
<td>CUL 255</td>
<td>Buffet Catering: Garde Manger/Ice Carving: Practicum</td>
<td>9</td>
</tr>
<tr>
<td>HOS 101</td>
<td>Intro to Customer Service: Practicum</td>
<td>5</td>
</tr>
<tr>
<td>HOS 102</td>
<td>Customer Service: Practicum</td>
<td>1</td>
</tr>
<tr>
<td>HOS 103</td>
<td>Table Service: Practicum</td>
<td>1</td>
</tr>
<tr>
<td>HOS 104</td>
<td>Tableside Service: Practicum</td>
<td>1</td>
</tr>
<tr>
<td>HOS 105</td>
<td>Advance Customer Service</td>
<td>5</td>
</tr>
<tr>
<td>HOS 110</td>
<td>Principles of Sanitation</td>
<td>1</td>
</tr>
<tr>
<td>HOS 111</td>
<td>Intro to Customer Service: Theory</td>
<td>1</td>
</tr>
</tbody>
</table>

**Eligibility for graduation requires a 2.0 GPA in all required technical specialty and related instruction courses.**

---

**CULINARY ARTS**

**Certificate**

**Technical Specialty Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAK 104</td>
<td>Intro to Baking: Theory</td>
<td>1</td>
</tr>
<tr>
<td>BAK 105</td>
<td>Restaurant Baking: Theory</td>
<td>1</td>
</tr>
<tr>
<td>BAK 114</td>
<td>Intro to Baking: Practicum</td>
<td>5</td>
</tr>
<tr>
<td>BAK 115</td>
<td>Restaurant Baking: Practicum</td>
<td>5</td>
</tr>
<tr>
<td>BAK 116</td>
<td>Fine Dining: Practicum</td>
<td>5</td>
</tr>
<tr>
<td>CUL 101</td>
<td>Intro to Professional Cooking: Theory</td>
<td>8</td>
</tr>
<tr>
<td>CUL 102</td>
<td>Quantity Cooking: Theory</td>
<td>5</td>
</tr>
<tr>
<td>CUL 103</td>
<td>Restaurant Cooking: Theory</td>
<td>5</td>
</tr>
<tr>
<td>CUL 104</td>
<td>Fine Dining: Theory</td>
<td>4</td>
</tr>
<tr>
<td>CUL 111</td>
<td>Intro to Professional Cooking: Practicum</td>
<td>4</td>
</tr>
<tr>
<td>CUL 112</td>
<td>Quantity Cooking: Practicum</td>
<td>8</td>
</tr>
<tr>
<td>CUL 113</td>
<td>Restaurant Cooking: Practicum</td>
<td>8</td>
</tr>
<tr>
<td>CUL 114</td>
<td>Fine Dining: Practicum</td>
<td>8</td>
</tr>
<tr>
<td>CUL 200</td>
<td>Advanced Culinary Management: Clinical</td>
<td>1</td>
</tr>
<tr>
<td>CUL 203</td>
<td>Chef of the Day: Practicum</td>
<td>4</td>
</tr>
<tr>
<td>CUL 251</td>
<td>Buffet Catering: Garde Manger/Ice Carving: Theory</td>
<td>4</td>
</tr>
<tr>
<td>CUL 255</td>
<td>Buffet Catering: Garde Manger/Ice Carving: Practicum</td>
<td>9</td>
</tr>
<tr>
<td>HOS 101</td>
<td>Intro to Customer Service: Practicum</td>
<td>5</td>
</tr>
<tr>
<td>HOS 102</td>
<td>Customer Service: Practicum</td>
<td>1</td>
</tr>
<tr>
<td>HOS 103</td>
<td>Table Service: Practicum</td>
<td>1</td>
</tr>
<tr>
<td>HOS 104</td>
<td>Tableside Service: Practicum</td>
<td>1</td>
</tr>
<tr>
<td>HOS 105</td>
<td>Advance Customer Service</td>
<td>5</td>
</tr>
<tr>
<td>HOS 110</td>
<td>Principles of Sanitation</td>
<td>1</td>
</tr>
<tr>
<td>HOS 111</td>
<td>Intro to Customer Service: Theory</td>
<td>1</td>
</tr>
</tbody>
</table>
SPECIALTY DESSERTS & BREADS

A newly-expanded, four-quarter program designed to provide required skills in dessert and bread preparation for baking positions in restaurants, hotels, private clubs, catering companies, coffeehouses and pastry shops. Utilizing contemporary methods and state-of-the-art equipment, students experience hands-on preparation of rustic and artisan breads, pastries, tortes, gateaux, meringues, soufflés, confection and frozen desserts, with decorating techniques involving sugar, chocolate and sauces.

Certificate

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAK 101</td>
<td>Intro to Desserts &amp; Breads: Theory</td>
<td>4</td>
</tr>
<tr>
<td>BAK 102</td>
<td>Beginning Desserts &amp; Breads: Theory</td>
<td>3</td>
</tr>
<tr>
<td>BAK 103</td>
<td>Intermediate Desserts &amp; Breads: Theory</td>
<td>3</td>
</tr>
<tr>
<td>BAK 111</td>
<td>Intro to Desserts &amp; Breads: Practicum</td>
<td>6</td>
</tr>
<tr>
<td>BAK 112</td>
<td>Beginning Desserts &amp; Breads: Practicum</td>
<td>9</td>
</tr>
<tr>
<td>BAK 113</td>
<td>Intermediate Desserts &amp; Breads: Practicum</td>
<td>9</td>
</tr>
<tr>
<td>BAK 123</td>
<td>Advanced Desserts &amp; Breads: Theory</td>
<td>3</td>
</tr>
<tr>
<td>BAK 124</td>
<td>Advanced Desserts &amp; Breads: Practicum</td>
<td>9</td>
</tr>
<tr>
<td>BAK 200</td>
<td>Desserts &amp; Breads Externship Project</td>
<td>1</td>
</tr>
<tr>
<td>HOS 101</td>
<td>Intro to Customer Service: Practicum</td>
<td>5</td>
</tr>
<tr>
<td>HOS 102</td>
<td>Customer Service: Practicum</td>
<td>1</td>
</tr>
<tr>
<td>HOS 105</td>
<td>Bakery Counter Service: Practicum</td>
<td>1</td>
</tr>
<tr>
<td>HOS 106</td>
<td>Advanced Bakery Counter Service: Practicum</td>
<td>1</td>
</tr>
<tr>
<td>HOS 110</td>
<td>Principles of Sanitation</td>
<td>3</td>
</tr>
<tr>
<td>HOS 122</td>
<td>Purchasing &amp; Inventory: Theory</td>
<td>1</td>
</tr>
<tr>
<td>HOS 123</td>
<td>Food Costing Principles &amp; Application</td>
<td>1</td>
</tr>
</tbody>
</table>

TOTAL CREDITS 66.5
DEAF INTERPRETER TRAINING
Business, Languages & Cultures Division
V/TTY (206) 344-4347

Also see Interpreter Training Program, page 135.

Seattle Central Community College’s Deaf Interpreting Certificate program prepares students to work as intermediary interpreters for deaf consumers with special needs and deaf-blind consumers. Increasingly, this career has become an option for deaf individuals. The curriculum includes skills classes and practicums.

Deaf interpreters work in areas such as colleges, public schools, or as freelance interpreters. This program provides students with a background which helps them prepare for work in human service areas such as vocational rehabilitation, early childhood education, and social and mental health agencies. Graduates may also be employed in theaters, libraries, corporations, museums, or other areas in which deaf and hearing people interact.

Students must have successfully completed two years of American Sign Language (ASL 101-103 and 201-203) or have equal skill in signing to enter this program. New students are accepted in the fall of each year, and the program completion time is two years. Eligibility for all certificates and degrees requires a cumulative GPA of 2.0 or above in all coursework. Contact the program counselor for program application procedures, schedule information and revisions.

Certificate

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASL 120</td>
<td>Intro to Deaf Studies</td>
<td>5</td>
</tr>
<tr>
<td>ASL 125</td>
<td>American Deaf Culture</td>
<td>5</td>
</tr>
<tr>
<td>ITP 115</td>
<td>Survey of Interpreting</td>
<td>3</td>
</tr>
<tr>
<td>ITP 119</td>
<td>Deaf-Blind Interpreting</td>
<td>4</td>
</tr>
<tr>
<td>ITP 145</td>
<td>Ethics of Interpreting</td>
<td>3</td>
</tr>
<tr>
<td>ITP 216</td>
<td>Interpreting Specialized Settings</td>
<td>3</td>
</tr>
<tr>
<td>ITP 217</td>
<td>Professional Entry Preparation</td>
<td>3</td>
</tr>
<tr>
<td>ITP 245</td>
<td>Applied Interpreting Experience</td>
<td>4</td>
</tr>
<tr>
<td>ITP 250*</td>
<td>Applied Interpreting Experience II</td>
<td>4</td>
</tr>
<tr>
<td>ITP 255*</td>
<td>Applied Interpreting Experience III</td>
<td>4</td>
</tr>
<tr>
<td>ITP 260*</td>
<td>Interpreting IV</td>
<td>4</td>
</tr>
<tr>
<td>DRA 112</td>
<td>ASL Theatre</td>
<td>5</td>
</tr>
</tbody>
</table>

RELATED INSTRUCTION

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 260</td>
<td>Applied Business Economics</td>
<td>5</td>
</tr>
<tr>
<td>DRA 120</td>
<td>Intro to Acting</td>
<td>5</td>
</tr>
<tr>
<td>ENG 101</td>
<td>Composition</td>
<td>5</td>
</tr>
<tr>
<td>HUM 105</td>
<td>Intercultural Communication</td>
<td>5</td>
</tr>
<tr>
<td>SPS 201</td>
<td>Survey of Hearing Impairment</td>
<td>5</td>
</tr>
</tbody>
</table>

* Satisfactory performance (2.5 GPA) required in the previous interpreting class in order to continue in the program.

NOTE: Students must maintain a 2.0 GPA in their course work to remain in the program.

TOTAL CREDITS 76

ELECTIVES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASL 210</td>
<td>The Linguistics of ASL</td>
<td>5</td>
</tr>
</tbody>
</table>

NOTE: Elective courses are generally offered during summer to assist students in continuing their skills.
**ENGINEERING PRE-MAJOR**

Science & Math Division  (206) 587-3858

The courses listed below generally meet requirements for the first and second years of study toward completion of a four-year engineering program, but may not constitute a complete two-year program leading to junior standing. Students who anticipate transferring to a specific school should consult with a counselor for assistance in course selection.

**SUGGESTED COURSES**

- Chemistry 140, 150 and 160 (some majors require only 8 credits)
- Engineering 123, 142, 161, 171, 210, 215, 220, 230, 231, 260
- English 106
- Math 124, 125, 126, 220, 238
- Physics 201, 202, 203

**OTHER REQUIREMENTS**

Credits in general education, English and liberal studies as required for an A.A. or A.S. degree.

---

**FILM & VIDEO COMMUNICATIONS**

Communications & Design Division  (206) 587-3830

The program provides training for employment in the rapidly growing broadcast and cable television, and video industries.

The two-year curriculum leading to the A.A.S. degree is characterized by interdisciplinary teaching, cooperative education opportunities and an emphasis on development of technical and creative skills needed to work in an artistic industry.

Job opportunities for graduates include positions such as studio technician, sound/audio technician, lighting technician, set designer, production assistant, technical director, camera operator/camera technician.

**Associate of Applied Science Degree**

**TECHNICAL SPECIALTY COURSES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 101</td>
<td>TV Theory &amp; Camera Composition</td>
<td>4</td>
</tr>
<tr>
<td>COM 102</td>
<td>TV Production &amp; Post-Production</td>
<td>5</td>
</tr>
<tr>
<td>COM 103</td>
<td>TV Production Crew &amp; Team Projects</td>
<td>5</td>
</tr>
<tr>
<td>COM 130</td>
<td>TV Production Design</td>
<td>3</td>
</tr>
<tr>
<td>COM 140</td>
<td>Intro to Media Images</td>
<td>3</td>
</tr>
<tr>
<td>COM 197</td>
<td>Work Experience - Applied Video Communications</td>
<td>0</td>
</tr>
<tr>
<td>COM 200</td>
<td>Small Group Productions</td>
<td>4</td>
</tr>
<tr>
<td>COM 214</td>
<td>History of Film &amp; Video</td>
<td>3</td>
</tr>
<tr>
<td>COM 215</td>
<td>Media Law &amp; Ethics</td>
<td>3</td>
</tr>
<tr>
<td>COM 225</td>
<td>Advanced TV Production/Appplied Communications</td>
<td>5</td>
</tr>
<tr>
<td>COM 230</td>
<td>Technical Operations</td>
<td>2</td>
</tr>
<tr>
<td>COM 235</td>
<td>Production Management</td>
<td>3</td>
</tr>
<tr>
<td>COM 236</td>
<td>Audio Production</td>
<td>3</td>
</tr>
<tr>
<td>COM 240</td>
<td>Production Operations</td>
<td>3</td>
</tr>
<tr>
<td>COM 250</td>
<td>Portfolio Preparation</td>
<td>2</td>
</tr>
<tr>
<td>COM 260</td>
<td>Directing</td>
<td>3</td>
</tr>
<tr>
<td>COM 270</td>
<td>In-House Productions</td>
<td>3-5</td>
</tr>
<tr>
<td></td>
<td>TOTAL CREDITS</td>
<td>97-99</td>
</tr>
</tbody>
</table>

**RELATED INSTRUCTION**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRA 120</td>
<td>Intro to Acting</td>
<td>5</td>
</tr>
<tr>
<td>ENG 101</td>
<td>Composition</td>
<td>5</td>
</tr>
<tr>
<td>ENG 102</td>
<td>Composition</td>
<td>5</td>
</tr>
<tr>
<td>ENG 150</td>
<td>Writing for the Media - Scriptwriting</td>
<td>5</td>
</tr>
<tr>
<td>ENG 155</td>
<td>Advanced Scriptwriting</td>
<td>3</td>
</tr>
<tr>
<td>ENG 203</td>
<td>Advanced Scriptwriting II</td>
<td>3</td>
</tr>
<tr>
<td>HIS 130</td>
<td>History of Broadcasting</td>
<td>3</td>
</tr>
<tr>
<td>MIC 105</td>
<td>Using Computers</td>
<td>2</td>
</tr>
<tr>
<td>MIC 130</td>
<td>Digital Imaging</td>
<td>3</td>
</tr>
<tr>
<td>MIC 131</td>
<td>Nonlinear Editing</td>
<td>3</td>
</tr>
<tr>
<td>MIC 241</td>
<td>2D &amp; 3D Animation</td>
<td>3</td>
</tr>
<tr>
<td>SOC 120</td>
<td>Sociology of the Media</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS** 97-99
FIRE COMMAND & ADMINISTRATION PROGRAM
Health & Human Services Division (206) 587-6900

The Fire Command and Administration program provides continuing education and promotional opportunities for employees in the fire protection field. Emphasizing technical studies in preparation for command, administration and investigation positions in the urban setting, the Fire Command and Administration curriculum is designed to offer an opportunity for professional firefighters to receive an Associate of Applied Science upon completion of the program. The two certificates: Fire Officer Development Certificate and Advanced Fire Officer Development Certificate, consist of occupational specialty and general education courses to assist fire personnel to improve performance. The remaining courses build on the core Fire Command and Administration certificates.

NOTE: All courses meet or exceed the National Fire Protection Association (NFPA) 1021 Standards for Professional Officer I & II.

Fire Officer Development Certificate

<table>
<thead>
<tr>
<th>REQUIRED FCA CLASSES</th>
<th>16-17</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCA 120 Basic Fire Investigation</td>
<td>3</td>
</tr>
<tr>
<td>FCA 155 Fire Service Instructor</td>
<td>3</td>
</tr>
<tr>
<td>FCA 161 Incident Management I</td>
<td>3</td>
</tr>
<tr>
<td>FCA 170 Hazardous Materials I</td>
<td>3</td>
</tr>
<tr>
<td>FCA 231 Fire Service Leadership – OR –</td>
<td></td>
</tr>
<tr>
<td>FCA 232 Fire Service Management</td>
<td>4</td>
</tr>
<tr>
<td>BUS 101 Intro to Business</td>
<td>5</td>
</tr>
</tbody>
</table>

RELATED INSTRUCTION | 10
| ENG 101 Composition | 5 |
| HUM 105 Intercultural Communication | 5 |

TOTAL CREDITS | 26-27

Advanced Fire Officer Development Certificate

<table>
<thead>
<tr>
<th>REQUIRED FCA CLASSES</th>
<th>24-25</th>
</tr>
</thead>
<tbody>
<tr>
<td>FCA 137 Fire Protection Systems I</td>
<td>3</td>
</tr>
<tr>
<td>FCA 152 Building Construction</td>
<td>3</td>
</tr>
<tr>
<td>FCA 190 Fire Inspection &amp; Codes</td>
<td>4</td>
</tr>
<tr>
<td>FCA 231 Fire Service Leadership – OR –</td>
<td></td>
</tr>
<tr>
<td>FCA 232 Fire Service Management</td>
<td>4</td>
</tr>
<tr>
<td>BUS 101 Intro to Business</td>
<td>5</td>
</tr>
<tr>
<td>FCA 233 Fire Service Administration</td>
<td>4</td>
</tr>
<tr>
<td>FCA 261* Incident Management II</td>
<td>3</td>
</tr>
<tr>
<td>FCA 270** Hazardous Materials II</td>
<td>3</td>
</tr>
</tbody>
</table>

RELATED INSTRUCTION | 5
| CSC 100 Beginning Computers – OR – |
| CSC 103 Intro to Computers as a Learning Tool | 5 |

TOTAL CREDITS | 29-30

*Prereq: FCA 161 – Incident Management I
**Prereq: FCA 170 – Hazardous Materials I

Associate of Applied Science

| COMPLETION OF CERTIFICATE REQUIREMENTS | 55-57 |
| RELATED INSTRUCTION | 33-35 |
| ENG 102 English Composition | 5 |
| CHE 100 Chemistry & Society | 5 |
| MATH 107 Mathematics – A Practical Art – OR – |
| BUS 210 Business & Economics Statistics | 5 |
| PSY 110 General Psychology | 5 |
| SOC 110 Survey of Sociology | 5 |
| SPE 120 Intro to Public Speaking | 5 |

ELECTIVES | 5
| FCA 105 Hydraulics | 3 |
| FCA 181 Fire Service Safety | 3 |
| FCA 299 Seminars | 1-5 |
| PHY 100 Survey of Physics | 5 |

TOTAL CREDITS | 90
This two year program combines hands-on computer-based knowledge and skills necessary to become employed in the graphic design and illustration field. The six quarter program includes classes in design, typography, illustration, and digital production to prepare students for positions in print and electronic design. Students move between studio classrooms and up-to-date computer labs with instructors experienced in the field. Full-time and adjunct faculty are practicing professionals, and the curriculum is monitored by an industry-based Technical Advisory Committee to maintain contemporary standards. The coursework is subject to change based on constant review and changes in the industry.

Students completing this program are prepared for entry-level positions in: advertising agencies producing layouts and presentations; newspaper, retail, corporate, and in-house graphics departments; as freelance print and electronic designers and illustrators; and in design studios assisting in the design and creation of corporate logos, annual reports, posters, brochures and web graphics.

Certificate

TECHNICAL SPECIALTY COURSES

DES101 Drawing I ............................................................................... 3
DES102 Drawing II ............................................................................. 3
DES103 Drawing III ............................................................................ 3
DES109 Graphic Design Business Practices ........................................... 2
DES110 History of Graphic Design ...................................................... 2
DES121 Typography I .......................................................................... 3
DES122 Typography II ......................................................................... 3
DES123 Typography III ......................................................................... 3
DES131 Graphic Design I ...................................................................... 3
DES132 Graphic Design II .................................................................... 3
DES133 Graphic Design III ................................................................. 3
DES145 Graphic Production I ............................................................... 3
DES146 Graphic Production II .............................................................. 3
DES147 Graphic Production III ............................................................. 3
DES197 Work Experience ..................................................................... 3
DES231 Graphic Design IV ................................................................. 4
DES232 Graphic Design V .................................................................. 4
DES233 Graphic Design VI ................................................................. 4
DES234 Graphic Design VII ................................................................. 4
DES235 Graphic Design VIII ............................................................... 4
DES241 Illustration I ........................................................................... 3
DES242 Illustration II .......................................................................... 3
DES243 Illustration III ......................................................................... 3
DES244 Illustration IV ......................................................................... 3
DES245 Illustration V .......................................................................... 3
DES251 Multimedia I ........................................................................... 3
DES252 Multimedia II ......................................................................... 3
DES253 Multimedia III ........................................................................ 3
DES260 Portfolio Preparation ............................................................... 3

RELATED INSTRUCTION

BUS185 Small Business Management .................................................... 5
IMC100 Media Production ................................................................... 3
IMC101 Design for Visual Media .......................................................... 3
IMC297, 298, 299 Integrated Media Communications .............................. 18
MIC101 Intro to Microcomputer Applications ....................................... 4
SOC120 Sociology of the Media ............................................................ 3
Electives ................................................................................ 12

Students may choose from any business, art, humanities, social science, science or math course.

TOTAL CREDITS 108

Associate of Applied Science Degree

COMPLETION OF CERTIFICATE REQUIREMENTS 108

Plus 12 additional credits from business related areas, accounting, business, computers, desktop publishing, or college transfer. .................................................. 12

TOTAL CREDITS 120
Seattle Central’s two-year, (three-to-six-quarter) Graphic Imaging and Printing Technology program prepares students to manipulate the creative concepts of the designer and photographer and output them to film, printing plates, web pages, or CD-ROM in the modern, high technology printing industry. Courses include hands-on experience with computers, imagesetters, film processors, modern presses, papers, inks, and bindery equipment. Students learn how to estimate costs and plan jobs from start to finish. Students can earn a one- or two-year certificate or an A.A.S. degree.

### One-year Certificate

**TECHNICAL SPECIALTY COURSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPT 100</td>
<td>Intro to Digital Prepress</td>
<td>3</td>
</tr>
<tr>
<td>GPT 101</td>
<td>Intro to Prepress</td>
<td>3</td>
</tr>
<tr>
<td>GPT 102</td>
<td>Intro to Press</td>
<td>3</td>
</tr>
<tr>
<td>GPT 103</td>
<td>Intro to Finishing</td>
<td>2</td>
</tr>
<tr>
<td>GPT 104</td>
<td>Intro to the Graphic Arts Industry</td>
<td>2</td>
</tr>
<tr>
<td>GPT 110</td>
<td>Intro to Digital Prepress II</td>
<td>4</td>
</tr>
<tr>
<td>GPT 111</td>
<td>Multicolor Prepress</td>
<td>4</td>
</tr>
<tr>
<td>GPT 112</td>
<td>Multicolor Press</td>
<td>3</td>
</tr>
<tr>
<td>GPT 113</td>
<td>Finishing</td>
<td>2</td>
</tr>
<tr>
<td>GPT 120</td>
<td>Digital Prepress w/QuarkXPress</td>
<td>4</td>
</tr>
<tr>
<td>GPT 121</td>
<td>Prepress Practicum</td>
<td>4</td>
</tr>
<tr>
<td>GPT 122</td>
<td>Press Practicum</td>
<td>4</td>
</tr>
<tr>
<td>GPT 198</td>
<td>New Developments in the Graphic Arts Industry</td>
<td>2</td>
</tr>
</tbody>
</table>

**RELATED INSTRUCTION**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 185</td>
<td>Small Business Management</td>
<td>5</td>
</tr>
<tr>
<td>IMC 100</td>
<td>Media Production</td>
<td>3</td>
</tr>
<tr>
<td>IMC 101</td>
<td>Design for the Visual Media</td>
<td>3</td>
</tr>
<tr>
<td>IMC 297, 298, 299</td>
<td>Integrated Media Communications</td>
<td>10</td>
</tr>
<tr>
<td>MIC 101</td>
<td>Intro to Microcomputer Applications</td>
<td>4</td>
</tr>
<tr>
<td>SOC 120</td>
<td>Sociology of the Media</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS** 58

### Two-year Certificate

**COMPLETION OF 1-YEAR CERTIFICATE REQUIREMENTS** 58

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPT 197</td>
<td>Work Experience: Graphic Imaging &amp; Print Technology</td>
<td>2</td>
</tr>
<tr>
<td>GPT 200</td>
<td>Color Theory: Issues &amp; Applications in a Digital World</td>
<td>2</td>
</tr>
<tr>
<td>GPT 201</td>
<td>Estimating</td>
<td>2</td>
</tr>
<tr>
<td>GPT 202</td>
<td>Production Management</td>
<td>3</td>
</tr>
<tr>
<td>GPT 203</td>
<td>Portfolio</td>
<td>3</td>
</tr>
<tr>
<td>GPT 211</td>
<td>Digital Prepress &amp; Imaging I</td>
<td>5</td>
</tr>
<tr>
<td>GPT 212</td>
<td>Advanced Press</td>
<td>3</td>
</tr>
<tr>
<td>GPT 221</td>
<td>Digital Prepress &amp; Imaging II: Color Issues</td>
<td>4 or 8*</td>
</tr>
<tr>
<td>GPT 222</td>
<td>Process Color Press</td>
<td>4 or 8*</td>
</tr>
<tr>
<td>GPT 231</td>
<td>Production Prepress</td>
<td>4 or 8**</td>
</tr>
<tr>
<td>GPT 232</td>
<td>Production Press</td>
<td>4 or 8**</td>
</tr>
<tr>
<td>GPT 261</td>
<td>Electronic Publishing Software Apps. I: Focus on Color</td>
<td>4</td>
</tr>
<tr>
<td>GPT 262</td>
<td>Electronic Publishing Software Apps. II: Advanced Topics</td>
<td>4</td>
</tr>
<tr>
<td>GPT 298</td>
<td>Special Topics</td>
<td>3</td>
</tr>
<tr>
<td>HDC 106</td>
<td>Interviewing, Resumes, Job Hunting</td>
<td>1</td>
</tr>
</tbody>
</table>

* Students will take a total of 8 credits in either GPT 221 or 222 or 4 credits in each for a total of 8 credits.

**TOTAL CREDITS** 106

### Associate of Applied Science Degree

**COMPLETION OF 2-YEAR CERTIFICATE REQUIREMENTS** 106

Plus 12 additional credits from business-related areas, humanities, sciences, social sciences, math, or other media programs. 12

**TOTAL CREDITS** 118
INFORMATION TECHNOLOGY

Instructional Resources Division (206) 903-3205


PREREQUISITES
CIS 102 Information Systems Concepts ................................................ 3
ENG 106 Technical Writing .................................................................... 3
MAT 110 Applied Math for Technicians.................................................. 3
MIC 101 Intro to Microcomputer Applications ....................................... 4
MIC 110 Program Design & Development ............................................. 4

PROGRAMMING

Certificate

TECHNICAL SPECIALTY COURSES
CIS 134 Operating Systems .................................................................. 5
CIS 136 UNIX Operating Systems ........................................................ 5
CIS 142 C Programming ...................................................................... 5
CIS 172 Visual BASIC I ........................................................................ 5
CIS 216 Intro to Web Programming ..................................................... 5
CIS 242 Advanced C Programming for Business ................................... 5
CIS 244 Intro to C++ Programming..................................................... 5
CIS 255 Systems Analysis & Design ..................................................... 5
CIS 280 Server Side Development........................................................ 5

RELATED INSTRUCTION
BUS 140 Customer Relations ................................................................. 5
MIC 140 Intro to Computer Hardware ................................................... 5
DES 161 Web Graphics & HTML........................................................... 5

TOTAL CREDITS 60-65

ELECTIVE
CIS 162 Intro to Java Programming ...................................................... 5

Associate of Applied Science Degree

COMPLETION OF CERTIFICATE REQUIREMENTS:  60-65
CIS 298 Advanced Programming Project ............................................. 5
ENG 101 Composition ........................................................................... 5
HUM 105 Intercultural Communications .............................................. 5
MAT 116 Math Applications ................................................................. 5
IT Electives ......................................................................................... 10

TOTAL CREDITS 90-95

APPLICATIONS SUPPORT

Certificate

TECHNICAL SPECIALTY COURSES
MIC 120 Database Applications & Design with MS Access ..................... 4
MIC 122 Financial Modeling Using Microcomputers ................................ 4
MIC 140 Intro to Computer Hardware ................................................... 5
MIC 150 Internet & the World Wide Web .............................................. 4
MIC 197 Work Experience Microcomputer Management ....................... 5
MIC 260 MOUSE Expert (Word/Powerpoint)......................................... 8

RELATED INSTRUCTION
BUS 140 Customer Relations ................................................................. 5
BUS 175 Applied Business Statistics ....................................................... 5
CIS 134 Operating Systems ................................................................. 5
DES 161 Web Graphics & HTML........................................................... 5

TOTAL CREDITS 50

Associate of Applied Science Degree

COMPLETION OF CERTIFICATE REQUIREMENTS:  50
ENG 101 Composition ........................................................................... 5
HUM 105 Intercultural Communications .............................................. 5
MAT 116 Math Applications ................................................................. 5
MIC 298 Advanced Applications Project ............................................. 3-5
IT Electives ......................................................................................... 20
Electives ......................................................................................... 20

TOTAL CREDITS 93-95
INTERPRETER TRAINING PROGRAM

Business, Languages & Cultures Division
V/TTY (206) 344-4347

Also see Deaf Interpreter Training, page 129.

Seattle Central’s Interpreter Training Program is one of the few two-year (six quarter) Associate of Applied Science (A.A.S.) degree programs in interpreting in Washington. The program prepares graduates to facilitate communication between deaf and hearing people using American Sign Language and English. It has a national reputation for its training program and for producing graduates with marketable skills.

A professional interpreter may work in a variety of settings such as education, social service, religion, government, business, performing arts, professional conferences, job training programs, scientific/technical areas, health fields, law, and law enforcement. Interpreters may specialize in one area or freelance depending on their personal skills and preferences.

The program includes skill-building classes, seminars, and applied interpreting experiences. Approximately 40 students per year are accepted in this sequential program that begins each fall quarter. Applicants are advised to submit applications before the end of spring quarter for consideration. Students must complete ASL 101-203 or show commensurate ability before being accepted into the Interpreter Training Program. Eligibility for all certificates and degrees requires a cumulative GPA of 2.0 or above in all coursework. Contact the division office for program revisions and the program counselor for application procedures and schedule information.

Associate of Applied Science Degree

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITP 115</td>
<td>Survey of Interpreting</td>
<td>3</td>
</tr>
<tr>
<td>ITP 119</td>
<td>Deaf-Blind Interpreting</td>
<td>4</td>
</tr>
<tr>
<td>ITP 145</td>
<td>Ethics of Interpreting</td>
<td>3</td>
</tr>
<tr>
<td>ITP 160</td>
<td>ASL to English, Interpretation I</td>
<td>4</td>
</tr>
<tr>
<td>ITP 161</td>
<td>English to ASL, Interpretation I</td>
<td>4</td>
</tr>
<tr>
<td>ITP 162*</td>
<td>ASL to English, Interpretation II</td>
<td></td>
</tr>
<tr>
<td>ITP 163*</td>
<td>English to ASL, Interpretation II</td>
<td></td>
</tr>
<tr>
<td>ITP 164*</td>
<td>ASL to English, Interpretation III</td>
<td></td>
</tr>
<tr>
<td>ITP 165*</td>
<td>English to ASL, Interpretation III</td>
<td></td>
</tr>
<tr>
<td>ITP 216</td>
<td>Interpreting Specialized Settings</td>
<td>3</td>
</tr>
<tr>
<td>ITP 217</td>
<td>Professional Entry Preparation</td>
<td>3</td>
</tr>
<tr>
<td>ITP 245</td>
<td>Applied Interpreting Experience</td>
<td>4</td>
</tr>
<tr>
<td>ITP 250*</td>
<td>Applied Interpreting Experience II</td>
<td></td>
</tr>
<tr>
<td>ITP 255*</td>
<td>Applied Interpreting Experience III</td>
<td></td>
</tr>
<tr>
<td>ITP 260*</td>
<td>Interpreting IV</td>
<td>4</td>
</tr>
<tr>
<td>ITP 261*</td>
<td>Interpreting IV</td>
<td>4</td>
</tr>
<tr>
<td>DRA 112</td>
<td>ASL Theatre</td>
<td>5</td>
</tr>
</tbody>
</table>

* Satisfactory performance (2.5 GPA) required in the previous interpreting class in order to continue in the program.

RELATED INSTRUCTION

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASL 125</td>
<td>American Deaf Culture</td>
<td>5</td>
</tr>
<tr>
<td>BUS 260</td>
<td>Applied Business Economics</td>
<td>5</td>
</tr>
<tr>
<td>DRA 120</td>
<td>Intro to Acting</td>
<td>5</td>
</tr>
<tr>
<td>ENG 101</td>
<td>Composition</td>
<td>5</td>
</tr>
<tr>
<td>HUM 105</td>
<td>Intercultural Communication</td>
<td>5</td>
</tr>
<tr>
<td>SPS 201</td>
<td>Survey of Hearing Impairment</td>
<td>5</td>
</tr>
</tbody>
</table>

TOTAL CREDITS 95

ELECTIVES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASL 120</td>
<td>Intro to Deaf Studies</td>
<td>5</td>
</tr>
<tr>
<td>ASL 210</td>
<td>The Linguistics of ASL</td>
<td>5</td>
</tr>
<tr>
<td>ITP 246/247</td>
<td>Applied Interpreting Support</td>
<td>4</td>
</tr>
<tr>
<td>ITP 262</td>
<td>Interpreting VI</td>
<td>4</td>
</tr>
</tbody>
</table>
The Seattle Maritime Academy (SMA) offers training directed towards the workboat industry, commercial fishing, and the Merchant Marine. SMA offers technical vocational training and professional certification preparation. Students may either enroll in the formal certificate programs or pursue maritime training on a part-time basis.

The Marine Engineering Technology program combines practical shipboard experience and engineering courses with additional courses in computation, communication, and human relations. Emphasis is placed on the theory, design, operation, and maintenance of marine propulsion plants and associated equipment. The student is required to go to sea on a weekly basis aboard the college’s training vessels. The program provides the graduate with a background for work in many areas of the maritime industry, both at sea and ashore, as well as in nonmaritime industries such as public utilities.

SMA offers the Marine Engineering Technology curriculum as a 62-credit program with a licensing option. Students successfully completing this program will receive a Certificate in Marine Engineering Technology from Seattle Central Community College, however students may also be issued a U.S. Merchant Mariners document endorsed with the following Qualified Member of the Engine Department (QMED) ratings: Electrician; Oiler; Pumpman; Refrigeration Engineer, and/or Junior Engineer. Graduates are also eligible for licensure as Designated Duty Engineer of Motor Vessels of Not More Than 100 Gross Tons, Inland; and Mate of Near Coastal Steam or Motor Vessel of Not More Than 200 Gross Tons. By completing the program the student receives onethird of the required sea service credit for any Able Seaman endorsement and satisfies the written examination requirement for the Lifeboatman endorsement. For Lifeboatman, each graduate needs six months of additional qualifying sea service and must pass the practical examination.

Note: Curriculum is undergoing review by the U.S. Coast Guard and the amount of sea service credit and QMED endorsements are subject to change.

The Marine Deck Technology program combines practical shipboard experience and nautical science courses with additional courses in computation, communication, and human relations. Emphasis is placed on the theory, design, operation, and maintenance of deck equipment and applied navigation skills. Students are required to go to sea on a weekly basis aboard the college’s training vessels.

SMA offers the Marine Deck Technology curriculum as a 58-credit program. Students successfully completing this program will be awarded a Certificate in Marine Deck Technology from Seattle Central Community College. Each graduate successfully completing the program receives eight months of sea service credit toward licenses as: Master of Steam and Motor Vessels of Not More Than 100 Gross Tons, Inland; and Mate of Near Coastal Steam or Motor Vessel of Not More Than 200 Gross Tons. By completing the program the student receives onethird of the required sea service credit for any Able Seaman endorsement and satisfies the written examination requirement for the Lifeboatman endorsement. For Lifeboatman, each graduate needs six months of additional qualifying sea service and must pass the practical examination.

Note: Curriculum is undergoing review by the U.S. Coast Guard and the amount of sea service credit and QMED endorsements are subject to change.

MARINE ENGINEERING TECHNOLOGY
Certificate

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGO 111</td>
<td>Seamanship</td>
<td>3</td>
</tr>
<tr>
<td>MGO 113</td>
<td>Marine Safety</td>
<td>3</td>
</tr>
<tr>
<td>MGO 127</td>
<td>Fundamentals of Marine Electricity</td>
<td>4</td>
</tr>
<tr>
<td>MGO 147</td>
<td>Marine Engineering Practicum/Sea Time</td>
<td>6</td>
</tr>
<tr>
<td>MGO 177</td>
<td>Adv. Engineering Practicum/Sea Time</td>
<td>6</td>
</tr>
<tr>
<td>MTS212</td>
<td>Auxiliary Machinery &amp; Ship Design</td>
<td>4</td>
</tr>
<tr>
<td>MTS217</td>
<td>Marine Diesel Engine Maintenance &amp; Operation</td>
<td>4</td>
</tr>
<tr>
<td>MTS221</td>
<td>Applied Marine Electricity</td>
<td>4</td>
</tr>
<tr>
<td>MTS228</td>
<td>Marine Hydraulics</td>
<td>5</td>
</tr>
<tr>
<td>MTS233</td>
<td>Marine Refrigeration</td>
<td>5</td>
</tr>
<tr>
<td>MTS257</td>
<td>Advanced Marine Diesel Engines</td>
<td>4</td>
</tr>
<tr>
<td>MTS263</td>
<td>Propulsion Systems</td>
<td>3</td>
</tr>
<tr>
<td>MTS294</td>
<td>License Seminar</td>
<td>2</td>
</tr>
</tbody>
</table>

TOTAL CREDITS 62

MARINE DECK TECHNOLOGY
Certificate

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 105</td>
<td>Applied Composition</td>
<td>3</td>
</tr>
<tr>
<td>MGO 105</td>
<td>Leadership &amp; Management</td>
<td>3</td>
</tr>
<tr>
<td>MGO 119</td>
<td>Marine Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL CREDITS 58
Marine Deck Technology
Certificate

TECHNICAL SPECIALTY COURSES
MGO 101 Principles of Marine Mechanics ............................................. 2
MGO 103 Survival Craft ........................................................................ 2
MGO 111 Seamanship .......................................................................... 3
MGO 112 Marlinspike .......................................................................... 2
MGO 113 Marine Safety ....................................................................... 3
MGO 120 Vessel Maintenance ............................................................... 2
MGO 123 Basic Piloting & Navigation ................................................. 3
MGO 124 Basic Vessel Handling ......................................................... 2
MGO 133 Seamanship Practicum/SeaTime .......................................... 6
MGO 137 Electronic Navigation ........................................................... 2
MGO 140 Nautical Rules of the Road ...................................................... 3
MGO 166 Navigation Practicum/SeaTime .......................................... 6
MTS 201 Naval Architecture ................................................................. 2
MTS 202 Stability ................................................................................ 2
MTS 210 Marine Meteorology .............................................................. 2
MTS 223 Advanced Piloting & Navigation ........................................... 3
MTS 227 Celestial Navigation ............................................................... 4

RELATED INSTRUCTION
ENG 105 Applied Composition ............................................................... 3
MGO 105 Leadership & Management .................................................. 3
MGO 119 Marine Mathematics ............................................................. 3

TOTAL CREDITS 58

COMMUNITY SERVICE/INDUSTRY SUPPORT COURSES:
Advanced Shipboard Medicine
Basic Electricity for Small Boats & Recreational Boaters
Basic Seamanship & Deck Skills
Celestial Navigation
Coastal Navigation
Electronic Navigation
Marine Firefighting
Marine Law
Marine Safety & Survival
Net Hanging & Repair for Trawlers
Radar
Rigging
Vessel Handling

CERTIFICATION PREPARATORY COURSES:
Designated Duty Engineer, 1000/4000/Unlimited HP
GM/DSS
Lifeboatman
Master 100 Ton
Master 200/500/1600 Ton
Mate 200/500/1600 Ton
Qualified Member Engine Department (any & all ratings)
Refrigeration Technician (any & all types)
Stability for Fishing Vessels
Standard First Aid & CPR

NURSING, DEGREE
Health & Human Services Division (206) 587-4161

The associate degree nursing program prepares men and women to become Registered Nurses. It is approved by the Washington State Board of Nursing and accredited by the National League for Nursing. The program includes general education courses, nursing theory, lab and clinical practice.

New students are accepted into the six-quarter program each fall. Graduates are awarded an A.A.S. degree and are eligible to take the State Board examination to obtain a license as a Registered Nurse. As part of the state licensing requirement, seven hours of HIV/AIDS education instruction is included in curriculum content.

Students are accepted into the program on a first-come, first-served basis, after completion of the five prerequisite non-nursing courses. Any required non-nursing course may be completed before entering the nursing program. For more information contact the division office.

PREREQUISITES
ANP/ZOO 113* Human Anatomy & Physiology I ....................................... 5
BIO 280 Microbiology ........................................................................ 5
CHE 101 Chemistry .......................................................................... (or one year of high school chemistry in the last five years)
ENG 101 Composition .......................................................................... 5
PSY 110 General Psychology ............................................................ 5

* ANP/ZOO 113 MUST be taken within 5 years prior to entrance to program.
NOTE: A 2.0 grade point average is required in all nursing, science and related instruction courses in the program.

ADVANCED PLACEMENT
Students with nursing education courses within the past three years who meet the prerequisite and grade requirements stated above may be considered for advanced placement. After evaluation of transcripts, advanced placement students will be accepted on a first-come, first-served, space-available basis. Washington State Licensed Practical Nurses who have satisfied the prerequisites and first-year support courses may enter the second year of the nursing program after successful completion of the one-quarter transition courses, NUR 106, 120, 140, and 162.

Associate of Applied Science Degree

TECHNICAL SPECIALTY COURSES
NUR 100 Pharmacology for Nurses I .................................................. 1
NUR 101 Nursing I: Fundamentals of Nursing .................................... 4
NUR 102 Nursing II A: Medical/Surgical Nursing .............................. 2
NUR 103 Nursing II B: Medical/Surgical Nursing ............................. 3
NUR 110 Trends & Issues I ................................................................. 1
NUR 111 Nursing Practice I ............................................................... 3
NUR 112 Nursing Practice II ............................................................. 3
NUR 113 Nursing Practice III ............................................................ 4
NUR 122 Nursing III B: Psychosocial Nursing I .................................. 2
NUR 123 Pharmacology for Nurses II ............................................... 1
NUR 135 Pharmacology for Nurses III ............................................ 1
LPN/RN TRANSITION COURSES
The following courses are not a part of the Nursing program. However, a Licensed Practical Nurse must complete them, along with other related instruction courses, with a 2.0 or better in order to be eligible for the second year of the nursing program. Call division for more information.

NUR 106  LPN/RN Transition .......................................................... 4
NUR 120  LPN/RN Transition: Assessments & Interventions ........... 1
NUR 140  Pharmacology for LPN/RN Transition ............................. 2
NUR 162  Pathophysiology for LPN/RN Transition .......................... 2

OPHTHALMIC TECHNICIAN
Health & Human Services Division  (206) 587-4161
Note: This program is presently being re-evaluated. Interested students should contact the division counselor regarding availability of the courses.

This three-quarter evening program prepares students for careers as ophthalmic technicians. It includes an integrated curriculum approach of classroom instruction, laboratory practice, and field-based clinical experience. Students will acquire competencies in the area of ocular science, clinical procedures, instrumentation, basic optical concepts and devices, refraction, and technical proficiency in the use of ophthalmic instruments. Field placement for clinical experience under the supervision of a college instructor is provided in Seattle-area eye clinics and offices. For more information contact the division office.

Certificate

TECHNICAL SPECIALTY COURSES

OPH 115  Ocular Science ................................................................. 3
OPH 116  Clinic & Office Procedure ............................................... 4
OPH 120  Ocular Instrumentation .................................................. 4
OPH 122  Optical Concepts & Devices ........................................... 2
OPH 130  Refractometry ................................................................. 6
OPH 197  Work Experience: Ophthalmic Technician ....................... 4

RELATED INSTRUCTION

ANP/ZOO 114 Human Anatomy & Physiology II ......................... 5
ENG 101  Composition .................................................................. 5
ENG 102  Composition .................................................................. 5
NTR 150  Human Nutrition ............................................................ 5
PSY 206  Developmental Psychology .............................................. 5

TOTAL CREDITS 33

SCHOOL OF OPTICIANRY
School of Opticianry  Health & Human Services Division  (206) 344-4321

This two-year program provides an A.A.S. degree in dispensing opticianry and is nationally accredited by the Commission on Opticianry Accreditation (COA). According to the Washington State Administrative Code and licensing guidelines: "The ophthalmic dispenser (dispensing optician) prepares duplications of and dispenses lenses, spectacles, eyeglasses, and/or apparatus for intended wearers on written prescriptions from physicians or optometrists; and in accordance with such prescriptions, the dispenser measures, adapts, adjusts and fabricates such lenses, spectacles, eyeglasses and/or apparatus to the human face for the aid or correction of visual or ocular anomalies of the human eye." Other responsibilities may include business administrative functions including record maintenance, purchasing/maintenance of supplies and equipment; physiological measurements; and preparation of job orders. Graduates must pass a state licensing exam to practice in this field. Requirements for licensure include four hours of HIV/AIDS education certification. Prerequisites: Eligibility for ENG 101 and MAT 085.
ASSOCIATE OF APPLIED SCIENCE DEGREE

TECHNICAL SPECIALTY COURSES

OPH 100  Orientation to Ophthalmic Dispensing ........................................ 2
OPH 101  Optical Theory I ........................................................................ 5
OPH 102  Optical Theory II ..................................................................... 4
OPH 103  Optical Theory III .................................................................... 3
OPH 105  Ocular Anatomy & Physiology .................................................. 3
OPH 106  Contact Lens Technology I ......................................................... 5
OPH 107  Ophthalmic Dispensing I .............................................................. 5
OPH 108  Ophthalmic Dispensing II ............................................................. 5
OPH 110  Optical Lab Technology I .............................................................. 3
OPH 111  Optical Lab Technology II ............................................................ 3
OPH 112  Optical Lab Technology III .......................................................... 3
OPH 113  Finishing I .................................................................................. 6
OPH 119  Work Experience: Optician ......................................................... 3
OPH 198  Work Experience: Optician ......................................................... 3
OPH 203  Contact Lens Technology II ......................................................... 5
OPH 204  Contact Lens Technology III ......................................................... 6
OPH 205  Contact Lens Technology IV ......................................................... 3
OPH 211  Finishing II .............................................................................. 5
OPH 212  Finishing III ............................................................................. 5
OPH 215  Benchwork Procedures ............................................................... 3
OPH 295  Ophthalmic Dispensing Business I ................................................. 3
OPH 296  Ophthalmic Dispensing Business II ................................................. 3
OPH 297  Ophthalmic Dispensing Business III ................................................. 3
OPH 299  Comprehensive ....................................................................... 7

RELATED INSTRUCTION

ANP/ZOO 128  Survey of Anatomy & Physiology ...................................... 5
BUS 101  Intro to Business - OR - BUS 185  Small Business Management .... 5
BUS 103  Personnel Management ............................................................... 3
ENG 101  Composition .......................................................................... 5
MAT 114  Math Applications for Technicians ............................................. 5
PSY 220  Psychology of Human Relations .................................................. 3
SPE 100  Basic Speech .......................................................................... 5

TOTAL CREDITS 130

NOTE: Eligibility for graduation requires a minimum 2.0 GPA in all required technical specialty and related instruction courses.

PHOTOGRAPHY, COMMERCIAL

Communications & Design Division  (206) 587-3830

This program provides comprehensive training for students who wish to enter the commercial photography industry. The two-year program, leading to an A.A.S. degree, provides training in black/white and color photography, technical lab work, processing and printing, large format camera techniques, contemporary lighting techniques, studio illustration, and digital photography. Course material also covers architectural and industrial photography, editorial and corporate illustration, portraiture, and business management. The program emphasizes the latest techniques and the use of technology and designs in the commercial photography field.

ASSOCIATE OF APPLIED SCIENCE DEGREE

TECHNICAL SPECIALTY COURSES

PHO 111  Basic Camera Techniques ......................................................... 3
PHO 112  Advanced Camera Techniques ..................................................... 3
PHO 121  Basic Science & Photo Lab Procedures ......................................... 4
PHO 122  Photo Lab Procedures ................................................................. 3
PHO 125  Photo Lab Workshop I ................................................................. 3
PHO 126  Photo Lab Workshop II ................................................................. 3
PHO 131  Basic Photo Lighting ................................................................. 4
PHO 132  Advanced Photo Lighting ............................................................ 3
PHO 210  Digital Imaging ..................................................................... 3
PHO 211  Basic Commercial Photography .................................................. 4
PHO 213  Photo Illustration II ................................................................. 4
PHO 214  Advanced Photo Illustration ....................................................... 3
PHO 215  Editorial Photography ............................................................... 3
PHO 221  Advanced Photography Techniques ........................................... 3
PHO 225  Photo Lab Workshop III ............................................................ 3
PHO 226  Photo Lab Workshop IV ............................................................ 3
PHO 231  Basic Color Photography ............................................................ 3
PHO 232  Color Photography II ................................................................. 3
PHO 233  Advanced Color Photography I ................................................... 3
PHO 234  Advanced Color Photography II .................................................. 3
PHO 243  Studio Management ................................................................. 3
PHO 244  Portraiture I .......................................................................... 3
PHO 245  Portraiture II ......................................................................... 3
PHO 281  Portfolio Preparation ................................................................. 4
PHO 291  Individual Projects ................................................................. 4

RELATED INSTRUCTION

IMC 297, 298, 299*  Integrated Media Communications .............................. 18
BUS 185  Small Business Management ...................................................... 5
IMC 100  Media Production .................................................................. 3
IMC 101  Media Production .................................................................. 3
MIC 101  Intro to Microcomputer Applications ......................................... 4
SOC 120  Sociology of the Media .............................................................. 3
Electives ......................................................................................... 12

Students select 12 credits from any business, social science, math, or science courses.

* IMC 297-299 includes BUS 185, IMC 100, IMC 101, MIC 101 and SOC 120.

TOTAL CREDITS 112
PROFESSIONAL EDUCATION DEVELOPMENT
Continuing Education Division (206) 587-6934
Teachers, paraprofessionals and individuals planning to enter the teaching profession can enroll in a variety of education courses and summer institutes offered by Seattle Central’s Professional Education Development Program. The courses and institutes are designed to improve and expand teaching skills as well as to enable professionals to earn special endorsements on their teaching certificates. A maximum of 15 credits can be transferred to the University of Washington as electives and applied toward A.A. degree requirements.
Teaching certificate endorsement programs are offered on a distance learning basis accompanied with summer institutes allowing a flexible and convenient approach for completion.

EDUCATION COURSES
EDU 271 ESL Reading & Language Arts ............................................................... 5
EDU 272 Integrating ESL in the Mainstream Classroom ....................................... 5
LAN 101 Intro to Linguistics .................................................................................. 5

SUMMER INSTITUTE
EDU 298 ESL Methods for Diverse Language Students ......................................... 9

RESPIRATORY CARE
Health & Human Services Division (206) 587-4161
Respiratory care is an allied health specialty in the treatment and management of patients with cardiopulmonary disorders. The seven-quarter program includes the study of the therapeutic use of medical gases, medications, aerosols, lung drainage, ventilatory support, cardiopulmonary resuscitation, airway management, respiratory disease management and diagnostic testing. Under the direction of the physician, the respiratory care practitioner works with other health professionals to deliver effective health care.

The program offers an A.A.S. degree and is fully accredited by the Committee on Accreditation for Respiratory Care. Because the A.A.S. degree may not transfer, students transferring to a four-year institution should take college transfer English and science courses. Graduates are eligible for licensure as Respiratory Care Practitioners in Washington state, and are also eligible and prepared for the National Board Registered Therapist credentialing exams. Washington state licensure requires seven hours of HIV/AIDS education which is included in curriculum content. New classes begin fall quarter only. For advanced placement consideration, contact the division office for specific requirements.
Prerequisite: MAT 085 and eligibility for ENG 101.

Associate of Applied Science Degree

TECHNICAL SPECIALTY COURSES
RCP 101 Respiratory Care Orientation ................................................................. 1
RCP 110 Intro to Respiratory Care ................................................................. 2
RCP 112 Applied Microbiology ................................................................................ 2
RCP 114 Respiratory Care FundamentalsI ......................................................... 4
RCP 115 Pharmacology for Respiratory Care ...................................................... 1
RCP 120 Clinical PracticeI .................................................................................. 4
RCP 121 Respiratory Care Seminar ................................................................. 1
RCP 123 Pathophysiology for Respiratory Care .................................................. 1
RCP 124 Respiratory Care FundamentalsII ......................................................... 5
RCP 125 Pharmacology for Respiratory Care ...................................................... 1
RCP 130 Clinical PracticeII .................................................................................. 5
RCP 133 Pathophysiology for Respiratory Care ................................................... 1
RCP 134 Respiratory Care FundamentalsIII ...................................................... 5
RCP 135 Pharmacology for Respiratory Care ...................................................... 1
RCP 137 Cardiopulmonary Anatomy & Physiology ............................................ 4
RCP 240 Clinical PracticeIII ............................................................................. 4
RCP 241 Respiratory Care of Critically III Adults ................................................. 2
RCP 243 Pathophysiology for Respiratory Care ................................................. 1
RCP 244 Respiratory Care FundamentalsIV ....................................................... 3
RCP 245 Pharmacology for Respiratory Care ...................................................... 1
RCP 250 Clinical PracticeIV ............................................................................. 6
RCP 251 Respiratory Care of Infants & Children .................................................. 3
RCP 253 Pathophysiology for Respiratory Care ................................................. 1
RCP 254 Respiratory Care FundamentalsV ......................................................... 3
RCP 260 Clinical PracticeV ............................................................................... 6
RCP 264 Respiratory Care FundamentalsVI ........................................................ 3
RCP 270 Clinical PracticeVI ............................................................................. 6
RCP 272 Comprehensive Review of Respiratory Care ......................................... 4
RCP 274 Pulmonary Rehabilitation & Home Care ............................................... 2
RCP 276 Advanced Patient Assessment ............................................................... 3

RELATED INSTRUCTION
AHE 150 HIV/AIDS Education ............................................................................. 1
ANP/ZOO 128 Survey of Human Anatomy & Physiology ..................................... 5
CHE 100 Chemistry – OR - .................................................................................. 5
CHE 101 General Chemistry ................................................................................. 5
ENG 101 Composition .......................................................................................... 5
ENG 102 Composition .......................................................................................... 5
PSY 110 General Psychology - OR - .................................................................... 5
PSY 206 Developmental Psychology ..................................................................... 5

TOTAL CREDITS 112

NOTE: Eligibility for graduation requires a minimum 2.0 GPA in all technical specialty and related instruction courses.
**SERVICE LEARNING**

Cooperative Education &
Career Placement Division  (206) 587–5422

Service Learning is an educational program that combines community involvement with academic instruction. The program works to link service learning options to specific classes as either a requirement or an option. Faculty determine course requirements and hours. Advantages of service learning include the opportunity to enhance understanding of course content, build experience for a resume, explore career options, and earn college credit. Service Learning is specifically integrated into certain courses and programs. Please contact the Service Learning department for more information.

**SOCIAL & HUMAN SERVICES**

Health & Human Services Division  (206) 587-6900

This program provides training for employment in the social and human service field. It helps develop the professional values, skills and knowledge necessary to assist individuals with personal, interpersonal, and situational problems. The first year offers training in communication, human problems, community resources, interviewing and counseling, group dynamics and social change. The second year provides opportunity for specialization through field placement, supplemental social science courses and specialized coursework.

Three options to the Social and Human Services degree are the Chemical Dependency Specialist certificate, the Child and Family Studies certificate, and the Community Health Advocate certificate. For information on entrance requirements and additional coursework, contact the division.

Prerequisite: Eligibility for ENG 101 and MAT 084.

### Associate of Applied Science Degree

**HUMAN SERVICES CORE**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHS 100</td>
<td>Intro to Human Services</td>
<td>5</td>
</tr>
<tr>
<td>SHS 103</td>
<td>Survey of Institutions</td>
<td>5</td>
</tr>
<tr>
<td>SHS 106</td>
<td>Principles of Interviewing &amp; Counseling</td>
<td>5</td>
</tr>
<tr>
<td>SHS 108</td>
<td>Group Dynamics &amp; Counseling</td>
<td>5</td>
</tr>
<tr>
<td>SHS 197</td>
<td>Field Placement in Human Services</td>
<td>3</td>
</tr>
<tr>
<td>SHS 198</td>
<td>Field Placement in Human Services</td>
<td>3</td>
</tr>
<tr>
<td>SHS 199</td>
<td>Field Placement in Human Services</td>
<td>4</td>
</tr>
</tbody>
</table>

**HUMAN SERVICES SPECIALIZATIONS**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHS 150</td>
<td>AIDS Workshop</td>
<td>1</td>
</tr>
<tr>
<td>SHS 200</td>
<td>Advanced Counseling Techniques</td>
<td>4</td>
</tr>
<tr>
<td>SHS 205</td>
<td>Crisis Management &amp; Intervention</td>
<td>3</td>
</tr>
<tr>
<td>SHS 207</td>
<td>Behavior Management</td>
<td></td>
</tr>
<tr>
<td>SHS 210</td>
<td>Multicultural Counseling</td>
<td>3</td>
</tr>
<tr>
<td>SHS 215</td>
<td>Adolescent Development &amp; Treatment</td>
<td>5</td>
</tr>
<tr>
<td>SHS 231</td>
<td>Physiology/Pharmacology of Chemical Dependency</td>
<td>3</td>
</tr>
<tr>
<td>SHS 232</td>
<td>Chemical Dependency &amp; the Family</td>
<td>3</td>
</tr>
<tr>
<td>SHS 233</td>
<td>Chemical Dependency Counseling</td>
<td>5</td>
</tr>
<tr>
<td>SHS 234</td>
<td>Community Health Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>SHS 235</td>
<td>Intro to Chemical Dependency</td>
<td>5</td>
</tr>
<tr>
<td>SHS 241</td>
<td>Residential Services &amp; Community Resources in Mental Health</td>
<td>5</td>
</tr>
<tr>
<td>SHS 242</td>
<td>Mental Health Diagnosis in Chemical Dependency &amp; Other Human Service Settings</td>
<td>5</td>
</tr>
<tr>
<td>SHS 245</td>
<td>Mental Health Overview</td>
<td>3</td>
</tr>
<tr>
<td>SHS 246</td>
<td>Community Rehabilitation in Mental Health</td>
<td>5</td>
</tr>
<tr>
<td>SHS 250</td>
<td>Client &amp; Community Advocacy</td>
<td>4</td>
</tr>
<tr>
<td>SHS 255</td>
<td>Dual Diagnosis (MICA): Treatment Issues &amp; Services</td>
<td>3</td>
</tr>
<tr>
<td>SHS 265</td>
<td>Management &amp; Supervision</td>
<td>5</td>
</tr>
<tr>
<td>SHS 270</td>
<td>Law &amp; Ethics in Chemical Dependency</td>
<td>3</td>
</tr>
<tr>
<td>SHS 275</td>
<td>Chemical Dependency &amp; Domestic Violence</td>
<td>3</td>
</tr>
<tr>
<td>SHS 280</td>
<td>Case Management</td>
<td></td>
</tr>
</tbody>
</table>
SHS 296* Human Services Workshop ........................................... 1
SHS 297* Human Services Workshop ........................................... 2
SHS 298* Human Services Workshop ........................................... 3
SHS 299 Independent Study or Research ...................................... 1-5

* Maximum of 3 credits may be used towards degree.

RELATED INSTRUCTION 30
ENG 101 Composition ................................................................... 5
ENG 102 Composition ................................................................... 5
PSY 110 General Psychology ........................................................ 5
SOC 110 Survey of Sociology ....................................................... 5
SPE 100 Basic Speech .................................................................... 5

TOTAL CREDITS 90

Specific chemical dependency classes required for Washington State Chemical Dependency Counselor qualifications are listed in the Chemical Dependency Specialist brochure.
Eligibility for graduation requires a minimum 2.0 GPA in all required technical specialty and related instruction courses.

CHILD & FAMILY STUDIES

The Child & Family Studies option provides academic preparation for students interested in a wide range of employment opportunities working with children and their families. Students who wish to make a positive impact in their field and in the lives of children and families will find this program challenging and rewarding.

Certificate

SPECIALIZATION CERTIFICATE COURSES
SHS 103 Survey of Institutions ...................................................... 5
SHS 106 Principles of Interviewing & Counseling - OR -
SHS 108 Group Dynamics & Counseling ........................................ 5
SHS 197 Field Placement in the Human Services ........................... 3

RELATED INSTRUCTION COURSES
ENG 101 Composition ................................................................... 5
HUM 105 Intercultural Communication ......................................... 5
PSY 206 Developmental Psychology .............................................. 5
SOC 110 Survey of Sociology - OR -
SOC 250 Marriage, Family & Intimate Relationships .................... 5

CFS SPECIALIZATION AREA 12

NOTE: Students must take at least 12 credits from the below listed specialization area.

CFS 110 Designing Model Learning Environments .......................... 3
CFS 120 Planning for Children’s Holistic Development .................. 3
CFS 130 Planning for & Guiding Children’s Social & Emotional Development .................................................. 3
CFS 145 Understanding & Working with School-Age Children ........ 3
CFS 155 Understanding & Working with Adolescents .................... 3
CFS 180 Planning for & Guiding School-Age & Youth’s Social & Emotional Development ............................................. 3

CFS 208 Designing Model Environments for School-Age
Children & Youth ........................................................................ 3
CFS 215 Science & Technology in School-Age & Youth Programs .... 3
CFS 223 Physical Development in School-Age & Youth Programs .... 2
CFS 225 Assessment/Programming .............................................. 3
CFS 228 Childhood & Adolescent Sexuality & Education ............. 3
CFS 245 Parent Education for All Our Families ............................. 1-5
CFS 252 Violence Prevention & Community Development
with Children, Youth & Families .................................................. 3
CFS 263 Working with Children with Disabilities ......................... 5
CFS 270 Child & Family Health .................................................... 5
CFS 280 Methods for Cultural Relevancy/Anti-Bias Strategies for
Children & Families .................................................................. 3
CFS 284 Literacy Development for Children & their Families ........ 1-5
CFS 290 Budget & Finance ......................................................... 1-4
CFS 294 Fundamentals of Management ........................................ 5
CFS 296 Personnel & Supervision ............................................... 1-4
CFS 299 Seminars ...................................................................... 1-5

TOTAL CREDITS 45

CHEMICAL DEPENDENCY SPECIALIST

This program includes an integrated curriculum approach of classroom instruction and field-based clinical experience. Students will acquire competencies in the areas of interviewing, group dynamics, case management, physiology and pharmacology related to chemical dependency, the impact of chemical dependency on family members, and specific counseling interventions for working with chemical dependent clients. Courses meet the State of Washington Division of Alcohol and Substance Abuse requirements for chemical dependency counselor certification. Courses are offered day and evening. For further information contact the division office.

Prerequisite: Eligibility for ENG 101 and MAT 084.

NOTE: Additional courses may be needed to meet state certification requirements. Students should consult the division counselor before enrolling.

Certificate

CORE COURSES
SHS 106 Principles of Interviewing & Counseling .......................... 5
SHS 108 Group Dynamics & Counseling ........................................ 5

TECHNICAL SPECIALTY COURSES
SHS 150* HIV/AIDS Workshop ..................................................... 1
SHS 210* Multicultural Counseling .............................................. 3
SHS 215* Adolescent Development & Treatment ......................... 3
SHS 231* Physiology/Pharmacology of Chemical Dependency .......... 3
SHS 232* Chemical Dependency & the Family .............................. 3
SHS 233* Chemical Dependency Counseling ................................ 5
SHS 235* Intro to Chemical Dependency ....................................... 5
SHS 270* Law & Ethics in Chemical Dependency ................................... 3
SHS 280* Case Management .................................................................. 3
SHS 296* Human Services Workshop ................................................... 1-3
(in the topic areas of Multicultural Counseling, Adolescent Assessment & Relapse Prevention)

FIELD PLACEMENT COURSES
CDS 197 Field Placement in Human Services ......................................... 3
CDS 198 Field Placement in Human Services ......................................... 3
CDS 199 Field Placement in Human Services ......................................... 4

GENERAL EDUCATION COURSES
ENG 101 Composition ........................................................................... 5
PSY 110 General Psychology ................................................................. 5
PSY 206 Developmental Psychology (Lifespan) - OR-
PSY 207 Developmental Psychology (Adolescent) .................................. 5

TOTAL CREDITS 66-71
Eligibility for graduation requires a minimum 2.0 GPA in all required technical specialty and related instruction courses.
* These courses meet current minimum state requirements for registration as Chemical Dependency Counselors with the Department of Health. In addition, an Associate Degree or its academic equivalent in any area, and 2,500 clock hours of qualified internship are required.

COMMUNITY HEALTH ADVOCATE CERTIFICATE
This certificate will prepare students to work in the Health Care industry as advocates and resource specialists for those who need access to health care services. Upon certification, students will qualify for outreach/advocate positions in community-based and public health organizations, and HMOs. The Community Health Advocate program is a partnership between Seattle Central Community College and community-based organizations, public health organizations and HMOs.

Certificate

SPECIALIZATION CERTIFICATE COURSES
SHS 106 Principles of Interviewing & Counseling ................................... 5
SHS 234 Community Health Advocacy ................................................... 3
SHS 296 Human Services Workshops: Job Readiness Seminar ............... 1
CHA 197 Cooperative Work Experience ............................................... 5

RELATED INSTRUCTION COURSES
ENG 101 Composition ........................................................................... 5
HUM 105 Cultural Relevancy & Anti-Bias ............................................. 5

TOTAL CREDITS 24

SURGICAL TECHNOLOGY
Health & Human Services Division (206) 587-6900
This three-quarter program prepares men and women to share in the responsibility of the operating room team in the care of the patient requiring surgery. The surgical technologist is at all times under the supervision of the physician and/or registered nurse.

The program consists of instruction in the basic sciences, medical terminology, surgical functions in the operating rooms, operating room equipment and aseptic techniques, and is nationally accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). The clinical practice throughout the program will be coordinated by the instructor at the college and take place in various hospitals in the Seattle area. Graduation requirements include a minimum 2.0 GPA in each surgical technology course and all related instruction. Entry is during the fall quarter only. For more information contact the division office.
Prerequisites: Eligibility for ENG 101 and MAT 085.

Certificate

TECHNICAL SPECIALTY COURSES
STT 111 Surgical Technology Lab ......................................................... 5
STT 113 Surgical Technology I ............................................................. 8
STT 115 Clinical Orientation ................................................................. 2
STT 123 Surgical Technology II .......................................................... 14
STT 125 Clinical Practice I ................................................................. 5
STT 133 Surgical Technology III .......................................................... 5
STT 135 Clinical Practice II ................................................................. 8

RELATED INSTRUCTION
AHE 117 Medical Terminology I .......................................................... 1
AHE 127 Medical Terminology II .......................................................... 1
AHE 137 Medical Terminology III .......................................................... 1
ANP/ZOO 128 Survey of Anatomy & Physiology .................................... 5
ENG 101 Composition ......................................................................... 5

TOTAL CREDITS 60
The Technical Communications curriculum is a two-year, AA/AAS degree program focusing on comprehensive language skills. The program prepares students to enter mid-level to entry-level positions as freelance professionals or salaried technicians in fields including: Web Engineer, Webmaster, Technical Writer, Help Writer, Technical/Developmental Editor, Copy Editor, Technical Editing Assistant, and Document Manager. Because of a heavy emphasis on the development of strong language skills, students need to complete ENG 101/102, BUS 131, and MIC 101 prior to starting this program's technical specialty courses.

### Associate of Applied Science Degree

#### TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEC 110</td>
<td>General Editing</td>
<td>4</td>
</tr>
<tr>
<td>TEC 120</td>
<td>Principles of Developmental Editing</td>
<td>5</td>
</tr>
<tr>
<td>TEC 130</td>
<td>Style Guides &amp; Visual Basic</td>
<td>4</td>
</tr>
<tr>
<td>TEC 140</td>
<td>Mapping Information/Architecture</td>
<td>4</td>
</tr>
<tr>
<td>TEC 150</td>
<td>Specialization</td>
<td>4</td>
</tr>
<tr>
<td>TEC 197</td>
<td>Work-Based Learning - OR -</td>
<td></td>
</tr>
<tr>
<td>TEC 299</td>
<td>Independent Study</td>
<td>3</td>
</tr>
<tr>
<td>TEC 200</td>
<td>Senior Seminar I</td>
<td>5</td>
</tr>
<tr>
<td>TEC 220</td>
<td>Senior Seminar II</td>
<td>5</td>
</tr>
<tr>
<td>TEC 230</td>
<td>Technical Communications Seminar</td>
<td>4</td>
</tr>
</tbody>
</table>

#### RELATED INSTRUCTION

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 136</td>
<td>UNIX I - OR -</td>
<td></td>
</tr>
<tr>
<td>CIS 142</td>
<td>C Programming - OR -</td>
<td></td>
</tr>
<tr>
<td>CIS 172</td>
<td>Visual Basic I</td>
<td>5</td>
</tr>
<tr>
<td>DES 251</td>
<td>Multimedia</td>
<td>3</td>
</tr>
<tr>
<td>ENG 294</td>
<td>Copy Editing/Writing I</td>
<td>5</td>
</tr>
<tr>
<td>ENG 295</td>
<td>Copy Editing/Writing II</td>
<td>5</td>
</tr>
<tr>
<td>HUM 105</td>
<td>Intercultural Communications</td>
<td>5</td>
</tr>
<tr>
<td>MAT 107</td>
<td>Mathematics: A Practical Art</td>
<td>5</td>
</tr>
<tr>
<td>MIC 104</td>
<td>Using Computers</td>
<td>2</td>
</tr>
<tr>
<td>MIC 110</td>
<td>Program Design &amp; Development</td>
<td>4</td>
</tr>
<tr>
<td>PHI 120</td>
<td>Intro to Logic</td>
<td>5</td>
</tr>
</tbody>
</table>

### TRAVEL/STUDY COURSES

Travel/Study Courses provide students with a unique opportunity to earn credits for various travel/study experiences in an international setting. Students can earn credit for language enhancement, research-based, or work/internship/volunteer activities. Because these are contract courses, students are charged a per-course fee.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 291</td>
<td>Using the World as a Classroom</td>
<td>5-10</td>
</tr>
<tr>
<td>ITL 197</td>
<td>International Cooperative Education</td>
<td>5</td>
</tr>
<tr>
<td>ITL 198</td>
<td>International Cooperative Education</td>
<td>5</td>
</tr>
<tr>
<td>HUM 289</td>
<td>Chinese Language Enhancement</td>
<td>5-10</td>
</tr>
<tr>
<td>HUM 290</td>
<td>German Language Enhancement</td>
<td>5-10</td>
</tr>
<tr>
<td>HUM 291</td>
<td>Spanish Language Enhancement</td>
<td>5-10</td>
</tr>
<tr>
<td>HUM 292</td>
<td>French Language Enhancement</td>
<td>5-10</td>
</tr>
<tr>
<td>HUM 293</td>
<td>Italian Language Enhancement</td>
<td>5-10</td>
</tr>
<tr>
<td>HUM 297</td>
<td>Japanese Language Enhancement</td>
<td>5-10</td>
</tr>
<tr>
<td>HUM 298</td>
<td>Portuguese Language Enhancement</td>
<td>5-10</td>
</tr>
<tr>
<td>SCI 296</td>
<td>Natural History: Tropical Ecosystems in Costa Rica</td>
<td>5-10</td>
</tr>
<tr>
<td>SCI 297</td>
<td>Natural History: Tropical Ecosystems</td>
<td>5-10</td>
</tr>
<tr>
<td>SSC 297</td>
<td>Travel/Study Experience</td>
<td>5-10</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS:** 91
WIRELESS COMMUNICATIONS TECHNOLOGY

Communications & Design Division  (206) 587-3830
This program will qualify and prepare students for employment in the wireless communications industry. The two-year technologically-based curriculum provides a comprehensive communications skill foundation and applied theoretical foundation in mathematics, physics/chemistry, electronics, social sciences, business/organizational theory, computer configuration and applications. Instruction includes RF Transmissions and RF propagation as well as critical thinking, logic and problem-solving (inductive/deductive/intuitive).

Associate of Applied Science Degree

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EET 161</td>
<td>DC Principles of Electronics</td>
<td>5</td>
</tr>
<tr>
<td>EET 163</td>
<td>Solid State Electronics</td>
<td>5</td>
</tr>
<tr>
<td>WCT 101</td>
<td>Intro to Wireless Systems</td>
<td>4</td>
</tr>
<tr>
<td>WCT 120</td>
<td>Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>WCT 121</td>
<td>Engineering Electromagnetics I</td>
<td>5</td>
</tr>
<tr>
<td>WCT 122</td>
<td>Engineering Electromagnetics II</td>
<td>5</td>
</tr>
<tr>
<td>WCT 197</td>
<td>Work Experience</td>
<td>5</td>
</tr>
<tr>
<td>WCT 199</td>
<td>Seminar I, II, &amp; III</td>
<td>4</td>
</tr>
<tr>
<td>WCT 225</td>
<td>Signaling</td>
<td>5</td>
</tr>
<tr>
<td>WCT 227</td>
<td>RF Modulation</td>
<td>4</td>
</tr>
<tr>
<td>WCT 230</td>
<td>Network Transport</td>
<td>4</td>
</tr>
<tr>
<td>WCT 231</td>
<td>Wireless Engineering</td>
<td>4</td>
</tr>
<tr>
<td>WCT 232</td>
<td>Air Interface Protocols</td>
<td>5</td>
</tr>
</tbody>
</table>

RELATED INSTRUCTION

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 101</td>
<td>Intro to Business</td>
<td>5</td>
</tr>
<tr>
<td>BUS 102</td>
<td>Business Organization &amp; Management</td>
<td>3</td>
</tr>
<tr>
<td>CIS 290</td>
<td>Intro to UNIX</td>
<td>3</td>
</tr>
<tr>
<td>ENG 101</td>
<td>Composition</td>
<td>5</td>
</tr>
<tr>
<td>HUM 105</td>
<td>Intercultural Communication</td>
<td>5</td>
</tr>
<tr>
<td>MAT 116</td>
<td>Math Applications</td>
<td>5</td>
</tr>
<tr>
<td>MAT 117</td>
<td>Elements of Calculus</td>
<td>5</td>
</tr>
<tr>
<td>MIC 101</td>
<td>Intro to Microcomputer Applications</td>
<td>4</td>
</tr>
</tbody>
</table>

TOTAL CREDITS 90-92

WOOD CONSTRUCTION

2310 South Lane, Seattle, WA 98144  (206)587-5460
The Wood Construction Program prepares students for employment in the following three areas:
- Cabinetmaking & Fine Woodworking
- Carpentry
- Marine Carpentry (Boatbuilding)

All students enrolling in any full-time Wood Construction Program are required to complete 14 credits of related instruction coursework in math, communication, computer computation, human relations, and first aid.

CABINETMAKING & FINE WOODWORKING

Certificate

This program prepares students for entry-level employment in the cabinetmaking and fine woodworking trades. The curriculum combines technical information with practical shop applications. Students learn to build fine furnishings with precision and steadiness. A series of assigned projects helps students learn the tools and techniques of the cabinetmaking trade.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WCO 110</td>
<td>Intro to Professional Woodworking</td>
<td>18</td>
</tr>
<tr>
<td>WCO 150</td>
<td>Basic layout, blueprints, cabinet construction, safe shop practices</td>
<td>18</td>
</tr>
<tr>
<td>WCO 150</td>
<td>Advanced layout, blueprints, machinery, hardware, laminates, machine safety</td>
<td>18</td>
</tr>
<tr>
<td>WCO 150</td>
<td>Advanced layout, blueprints, cabinet construction, machinery, hardware, laminates, on-the-job safety</td>
<td>18</td>
</tr>
<tr>
<td>WCO 150</td>
<td>Student optional projects w/permission of instructor</td>
<td>18</td>
</tr>
<tr>
<td>WCO 150</td>
<td>Selected class projects</td>
<td>18</td>
</tr>
</tbody>
</table>

RELATED INSTRUCTION* 14

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 105</td>
<td>Written Communication</td>
<td>3</td>
</tr>
<tr>
<td>MAT 110</td>
<td>Applied Math for Technicians</td>
<td>3</td>
</tr>
<tr>
<td>MIC 103</td>
<td>Intro to Computers/Macintosh</td>
<td>3</td>
</tr>
<tr>
<td>PSY 220</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>WCO 120</td>
<td>Construction &amp; Maritime First Aid</td>
<td>2</td>
</tr>
</tbody>
</table>

*Students who may have completed these courses are required to register for 14 credits of alternative related instruction courses (3 computer; 6 communication; 2 computers; 1-2 human relations).

TOTAL CREDITS 104
Carpentry Certificate
This program prepares students for entry-level carpentry positions in the home construction, remodeling, and light commercial construction trades. The units of study cover the major job responsibilities of a carpenter in the trade. Hands-on shop learning is emphasized and supplemented by classroom instruction. Often the Carpentry program students build a house or a complete structure each school year.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WCO 110</td>
<td>Intro to Professional Woodworking</td>
<td>18</td>
</tr>
<tr>
<td>WCO 140</td>
<td>Concrete forms &amp; footings, floor systems, safety on the job</td>
<td>18</td>
</tr>
<tr>
<td>WCO 140</td>
<td>General frame construction, roof framing, safetasting, working at heights</td>
<td>18</td>
</tr>
<tr>
<td>WCO 140</td>
<td>Finish work, setting windows &amp; doors, machine safety</td>
<td>18</td>
</tr>
<tr>
<td>WCO 140</td>
<td>Selected class projects (Optional - Instructor permission required)</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>RELATED INSTRUCTION*</td>
<td>14</td>
</tr>
<tr>
<td>ENG 105</td>
<td>Written Communication</td>
<td>3</td>
</tr>
<tr>
<td>MAT 110</td>
<td>Applied Math for Technicians</td>
<td>3</td>
</tr>
<tr>
<td>MIC 103</td>
<td>Intro to Computers/Macintosh</td>
<td>3</td>
</tr>
<tr>
<td>PSY 220</td>
<td>Psychology of Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>WCO 120</td>
<td>Construction &amp; Maritime First Aid</td>
<td>2</td>
</tr>
</tbody>
</table>

*Students who have completed these courses are required to register for 14 credits of alternative related instruction (3 computation; 6 communication; 2 computers; 1-2 human relations).

Total Credits 86

Wood Construction Associate of Applied Science Degree
Completion of certificate requirements for the Cabinetry and Carpentry programs (104 or 86 credits), plus 16 credits of related instruction. For an A.A.S. in Marine Carpentry, please contact the division at (206) 587-5460 for details.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIC 203</td>
<td>Intro to CADD</td>
<td>3</td>
</tr>
<tr>
<td>WCO 160</td>
<td>Architectural Blueprint Reading &amp; Cost Estimating for the Building Trades</td>
<td>3</td>
</tr>
<tr>
<td>WCO 164</td>
<td>Roof Framing &amp; Stairbuilding</td>
<td>2</td>
</tr>
<tr>
<td>WCO 167</td>
<td>Fine Furniture Making</td>
<td>4</td>
</tr>
<tr>
<td>WCO 197</td>
<td>Work Experience- Wood Construction</td>
<td>5-15</td>
</tr>
<tr>
<td></td>
<td>or any ACC, BUS, CSC, HDC, MIC, MTS, OFO, TDR or liberal arts course</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 102-120

Marine Carpentry (Boatbuilding) Certificate
This program prepares students for entry into the boatbuilding, boat repair and related industries. The course curriculum includes lofting and layout, fiberglass lay-up and repair, spray gun technique, wood boat construction and repair, and interior and exterior joinery. Students learn the craft by working on assigned projects. The class and shop atmosphere are similar to an actual boatbuilding shop.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WCO 110</td>
<td>Intro to Professional Woodworking</td>
<td>18</td>
</tr>
<tr>
<td>WCO 130</td>
<td>Lofting, layout, patterns, elements of design, basic joinery, safe shop practices, bevels, &amp; the bandsaw</td>
<td>18</td>
</tr>
<tr>
<td>WCO 130</td>
<td>Fiberglass lay-up, safe shop practices w/fiberglass materials, personal safety, &amp; fiberglass repair</td>
<td>18</td>
</tr>
<tr>
<td>WCO 130</td>
<td>Fiberglass fitting out, machine safety, fiberglass repair, spray gun use &amp; maintenance</td>
<td>18</td>
</tr>
<tr>
<td>WCO 130</td>
<td>Wood boat construction, estimating &amp; bidding, shop practices, safe use of equipment &amp; compounds</td>
<td>18</td>
</tr>
<tr>
<td>WCO 130</td>
<td>Wood boat construction, fitting out, material selection, interior &amp; exterior joinery</td>
<td>18</td>
</tr>
<tr>
<td>WCO 299</td>
<td>(2-quarter option) Students may select special projects of their choosing or instructor may assign a project to help a student who needs more time to develop specific boatbuilding skills</td>
<td>15</td>
</tr>
</tbody>
</table>

*Students who have completed these courses are required to register for 14 credits of alternative general education courses (3 computation; 6 communication; 2 human relations; 2 computers).

Total Credits 119
WORK EXPERIENCE
COOPERATIVE EDUCATION

Cooperative Education & Career Placement (206) 587-5422

Cooperative Education (Co-op) is a "work for credit" program offered to students enrolled in college transfer or professional-technical programs. Academic credit is earned for learning that occurs on the job. Students may earn credit for jobs, paid or unpaid internships, or volunteer service in the community. Co-op is a coordinated effort between the student, the employing organization, and the college.

Advantages of Co-op include the opportunity to explore or clarify career choices, acquire career-related experience, improve existing skills or learn new skills applicable to future employment, and earn college credit.

Permission required. Contact the Cooperative Education Office for additional information.

ACC 197 Accounting ................................................................. 2-5
ACC 197 Apparel Design ............................................................. 2-5
ADS 197 Apparel Design ............................................................... 2-8
AHE 197 Allied Health ................................................................. 2-5
AHE 198 Allied Health ................................................................. 2-5
AHE 199 Allied Health ................................................................. 2-5
BIO 197 Internship in Biotechnology .......................................... 3-5
BUS 197 Business Occupations .................................................. 2-15
CDS 197 Work Experience: Chemical Dependency .................... 2-5
CDS 198 Work Experience: Chemical Dependency .................... 2-5
CDS 199 Work Experience: Chemical Dependency .................... 2-5
CHA 197 Work Experience: Community Health Advocate .......... 2-5
CHE 197 Chemistry ................................................................. 2-5
CIS 197 Computer Information Systems ...................................... 2-5
CMS 197 Community Service .................................................... 2-3
CMS 198 Community Service .................................................... 2-3
CMS 199 Community Service .................................................... 2-3
COM 197 Video Communications ............................................. 2-5
CWE 197 Co-op Work Experience .............................................. 2-15
CWE 198 Co-op Work Experience .............................................. 2-15
CWE 199 Co-op Work Experience .............................................. 2-15
DES 197 Graphic Design/Illustration ......................................... 2-5
EDU 197 Education ................................................................. 2-5
EDU 198 Education ................................................................. 2-5
EDU 199 Education ................................................................. 2-5
GPT 197 Graphic Imaging/Printing Technology ......................... 2-5
HDC 197 Leadership Practice & Application ............................. 2-3
HOS 197 Culinary Arts ............................................................. 2-15
HUM 197 Humanities .............................................................. 2-15
ITAL 197 International Cooperative Education ......................... 2-15
ITAL 198 International Cooperative Education ......................... 2-15
OPH 197 Opticianry ............................................................... 2-5
OPH 198 Opticianry ............................................................... 2-5
OPH 199 Opticianry ............................................................... 2-5
PHO 197 Photography ............................................................. 2-5
RCP 196 Respiratory Care ....................................................... 2-5
RCP 197 Respiratory Care ....................................................... 2-5
RCP 198 Respiratory Care ....................................................... 2-5
RCP 199 Respiratory Care ....................................................... 2-5
SAL 197 Sales Occupations ...................................................... 2-15
SCI 197 Science ................................................................. 2-15
SHS 197 Work Experience: Social & Human Services .............. 2-5
SHS 198 Work Experience: Social & Human Services .............. 2-5
SHS 199 Work Experience: Social & Human Services .............. 2-5
SSC 197 Social Science .......................................................... 2-15
WCO 197 Wood Construction .................................................. 2-15
WCT 197 Wireless Communications .......................................... 2-8
Administration & Faculty

OFFICE OF THE PRESIDENT
CHARLES H. MITCHELL, President/Vice Chancellor: B.A., University of Washington; M. Ed., Seattle University; Ed.D., Brigham Young University.
SUE BEAN, Director, Development: B.A., University of Washington.
DANNY HOWE, Director, Communications: B.A., University of Washington; M.S.W., University of Washington.
TINA LEIMER, Director, Planning and Research: B.A., M.A., University of Houston.
KATHRYN WOODLEY, Affirmative Action Officer/Personnel Representative.
CAROLYN S. YEAGER, Executive Assistant to the President.

STUDENT SERVICES
LORIS BLUE, Dean, Enrollment Services: B.A., Seattle University; M.Ed., University of Washington.
BEA KIYOHARA, Dean, Student Development: B.A., M.A., University of Washington.
JOAN M. RAY, Assistant Dean of Financial Aid and Student Services: B.A., California State University, Los Angeles; M.Ed., Seattle University.
RICARDO APACIBLE, Project Director, Student Academic Assistance: B.A., M.A., University of St. Thomas; M.Ed., University of Washington.
ELIZABETH BALDIZAN, Registrar: B.A., University of Northern Colorado; M.A., University of New Mexico; Ed.D., University of Nevada, Las Vegas.
RICARDO BALDIZAN, Manager, Student Activities Center: B.S., M.S., University of New Mexico.
LEXIE EVANS, Director, Student Leadership: B.A., University of Washington; M.A., Western Washington University.
RONALD KLINE, Manager, Testing Office: B.S., University of Washington; M.Ed., Western Washington University.
MARTHA PRINCE, Manager, Wellness Center: B.A., Florida State University; M.Ed., Springfield College.

ADM INISTRATIVE SERVICES
GEORGE GARY, Director, Administrative Services: B.S., Long Island University.
DICK COULTER, Director, Auxiliary Services: M.S., Cornell University.
JEFFREY WATTS, Director, Facilities, Planning and Operations.

OFFICE OF INSTRUCTION
RON HAMBERG, Vice President, Instruction: B.A., B.S., University of Minnesota; M.Ed., Ph.D., University of Washington.
JAMES M. HASSELBALCH, Director, Seattle Maritime Academy: B.S., U.S. Coast Guard Academy; M.S., Naval Postgraduate School.
WAI-FONG LEE, Associate Dean, Instructional Resource Services: B.S., Chinese University of Hong Kong; M.A., M.L.S., University of Hawaii; Ph.D., University of Arizona.
ANDRE LOH, Assistant Dean, Basic Studies Division: B.A., Whitman College; M.A., Ph.C., University of Washington.
JULIE LUTZ, Associate Dean, Science and Math Division: B.A., San Diego State University; M.S., Ph.D., University of Illinois.
JOHN J. MCMAHON, Associate Dean, Business and Communications Division: B.S., Providence College; M.S., University of Hawaii; Ph.D., Oregon State University.
DONNA MILLER-PARKER, Director, ABLE Network and Northwest Regional Literacy Resource Center: M.A., Seattle University.
MYRTLE MITCHELL, Dean, Professional Technical Education: B.S., M.S.N., Ph.D., University of Washington; B.S., Seattle Pacific University.
GREG MOWRER, Associate Dean, Hospitality/Culinary Arts.
A. BARRETT O'GILVIE, Dean, Continuing Education/Special Programs: B.A., University of Washington; M.A., Ed.D., Seattle University.
CHERYL ROBERTS, Associate Dean, Health and Human Services Division: B.A., Seattle University; M.A., The Ohio State University; Ed.D., Seattle University.
BOB TARPOCHINOFF, Assistant Dean, Distance Learning: B.A., University of Toledo; M.A., Bowling Green State University.
JAN WEST, Associate Dean, Languages and Cultures Division: B.S., University of Wisconsin; M.Ed., University of Cincinnati.

THE FACULTY
AL-MADANI, MOHAMMAD, Anthropology: B.S., Muskingum; M.A., Oregon State University; Ph.D., University of Florida.
ALVING, WENDY, Biology: B.S., M.S., Washington State University.
ARAGON, CONNIE, Business Information Technology: B.A., University of New Mexico; M.Ed., Ed.D., University of Washington; Professional Vocational/Technical Teaching Certificate.
AREVALO, MARGARET, Graphic Design & Illustration: B.Ed., Seattle University; Certificate, San Francisco Art Institute; Professional Vocational/Technical Teaching Certificate.
AZPITARTE, MARIA, Associate Degree Nursing: R.N., B.S.N., Seattle University; M.S.N., University of Portland; Community College Vocational Certificate.
BELIEU, RANDY, Nursing: B.S.N., University of Washington; M.S.N., F.N.P., Seattle Pacific University.

BERNARD, REGIS, Pastry Cook Diploma, Versailles, France; Brevet de Maitrise, Professional School of Pastry; Rue Jean Ferandis, Paris.

BIELAWSKI, DEBORAH, Physics: B.S., B.A., Seattle Pacific University; M.S., University of Washington.

BLACK, CLAUDE, Accounting: B.A., University of Washington; M.B.A., City University.


BORGATTI, DAVID J., Wood Construction: Community College Vocational Certificate, B.S., University of Miami.

BOTZ, DANIEL D., Mathematics: B.S., M.S., Western Washington University.

BOYCE, MICHAEL R., Religion: B.S., M.S., St. John's Abbey, University of Hawaii; M.A., University of Washington; M.D., Seattle University.


BRUNETTE, KATHRYN, Pastry Cook Diploma, Versailles, France; Brevet de Maitrise, Professional School of Pastry; Rue Jean Ferandis, Paris.

BRUNETTE, MINAKO, Japanese: B.A., Seattle University.

BRUNETTE, KATHRYN, English: B.A., Western Washington University; M.A., Portland State University.

BURNIE, DOLORES, Biology: B.S., St. Joseph's College; M.T. (ASCP Certification), New Britain General Hospital; M.S., University of Minnesota.

BURTON, DICK, Philosophy: B.A., Whitman College; M.A., Ph.D., Purdue University.


CAMPBELL, ELIZABETH, Biology/Oceanography: B.A., Smith College; M.A., Boston University.

CAUSER, JAMES, Music: B.A., California State University at Hayward; M.A., San Francisco State University.

CELLMAN, CAROL, ESL: B.A., University of Denver; M.A., University of Wisconsin.

CHAN, IAN, Librarian: B.A., Wheaton College; M.L.S., University of Pittsburgh.

CHEN, WEIAN, ESL: B.A., Shanghai Teacher's University; M.A., University of Idaho.

CHIN, SUSAN, Math: B.A., Whitman College; B.S., M.S., University of Washington.

CIK, EDWARD, Institute of English: B.S., St. Peter's College; M.S., State University of Buffalo.

CLAASEN, GAIL, Institute of English: B.A., Evangel College; M.A., Biola University.

CLAYTON, GARY, School of Opticianry: Master of Ophthalmic Optics; American Board of Opticianry; Certified Optician; B.S., University of Washington.


COLE, DOUGLAS, English: B.A., San Diego State University; M.A., Western Washington University.


CONGER, STEVE, Microcomputer Management: B.A., Gonzaga University; M.A., University of Idaho; Professional Vocational/Technical Teaching Certificate.

COSTA, CRAIG, Adult Basic Education: B.A., Whitworth College.

CUIZON, DAPHNE, ESL: B.A., University of Washington; M.A., Monterey Institute of International Studies.


DELA CRUZ, ROCHELLE, ESL: B.A., University of Washington; M.A., University of Hawaii; Diplome Superieur, Universite De Paris.

DILLARD, DIANA, Hospitality/Culinary Arts: A.O.S., San Francisco Institute of Culinary Arts; Food & Management Sanitation Certificate; Seattle Wine School Certificate; Community College Vocational Certificate.

DODSON, LYNNE, Psychology: B.A., M.S., California State University at Long Beach; Ph.D., University of Washington.

Dwyer, Patrick M., ESL: B.A., M.A., University of Montana.

EKSTROM, JOANN L., ESL: B.S., Portland State University.

ELIZONDO, JOANNA M., Adult Basic Education: B.A., University of Washington.


FUCHS, CHARLES, Institute of English: B.A., Creighton University; M.A., University of Missouri at Columbia.


GONG, DANIEL, Biology: B.A., University of California at Berkeley; M.S., University of Washington.

GRENSCH, ELINE, English: B.A., University of California at Santa Cruz; M.A., San Jose State University.


HABERSHAM, ROBERT E., Astronomy/Physics: B.S., Gonzaga University; M.S., University of Washington.

HARVEY, JOHN B., Cabinetmaking: Community College Vocational Certificate; Occupational Teacher Certificate; South Seattle Community College.


HIERHOLZER, LINDA, Hospitality/Culinary Arts: A.O.S., The Culinary Institute of America; Community College Vocational Certificate.


HINCKLEY, GREGORY, Anthropology: B.A., M.S., University of California, Santa Cruz; M.L.S., University of Washington.

JACKSON, BRYAN, Mathematics: B.S., Colorado School of Mines; M.S., University of Washington.

JEFFREYS, CHARLES, Psychology: B.A., Tennessee State University; M.A., Antioch University.

JOHN, ANNE C., Adult Basic Education: B.A., University of Calabar, Nigeria; M.A., University of Port Harcourt, Nigeria.

JOHNS, BRYAN, Mathematics: B.S., Colorado School of Mines; M.S., University of Washington.

KANE, LYNN, Librarian: B.A., University of California, Santa Cruz; M.L.S., University of Washington.

KATO, FRAN, Counselor: B.A., M.S.W., University of Washington.

KAWAKAMI, KRISTINE, ESL: B.A., University of Washington.

KELLEY, JIMMY, Business & Economics: B.A., M.A., University of Washington; graduate study in civil engineering.

KEMPEN, LAURA C., French/Literature: B.A., University of the Pacific; M.A., Stanford University; Ph.D., University of Washington.

KHILE, DONALD, Cabinetmaking: Community College Vocational Certificate.

KIRK, BRIAN, Music: B.A., California State University at Hayward; M.A., University of Washington.

KNOTSON, PETER, Anthropology: B.A., New School for Social Research; Ph.D., University of Washington.


KROLL, MICHIO A., ESL: B.A., Kinjo University; M.A., University of Washington.

LA COSTE, JOHN DAVID, Mathematics: B.S., Whitworth College; M.S., University of Idaho.

LAI, TRACY, History: B.A., University of California at Berkeley; M.Ed., University of Washington.

LANGKAMP, GREG, Mathematics: B.S., Purdue University; M.S., University of Washington.

LANSBERRY, LOUISE, Adult Basic Education: B.S., Penn State University; M.A., Boston University.

LAUWERS, JOLENE, Cosmetology: Walla Walla Community College; Cosmetology Instructor; Glen Dow Academy; Master Technician, Gene Juarez Advanced Training Center.

LEAVENS, ILEANA, Art: B.A., Wilson College; M.A., Ph.D., University of Washington.

LEPEINTRE, FRANCOIS, Engineering, Computer Science: M.E., Ecole Centrale de Paris; M.S., Ph.D., University of Washington.


LIVINGSTON, CARL L., Political Science: B.A., Oral Roberts University; Juris Doctor, University of Notre Dame.

LOOS, DANIEL R., ESL: B.A., University of Washington; M.A., University of California at Los Angeles.

LYLES, MARIAN, Speech: B.A., Alaska Pacific University; M.E.D., University of Alaska at Fairbanks.

MADAYAG, SR., DAVID, Hospitality/Culinary Arts: Certified Executive Chef; Certified Culinary Educator; American Academy of Chefs; NRA Sanitation Certificate; Community College Vocational Certificate.


MCRAE, SANDY, English: B.A., Michigan State; M.A., Boston University.


MICHAELSEN, KAREN L., Librarian: B.A., M.A., University of California at Santa Barbara; M.L.S., University of Washington.

MILLER, LORI, Counselor: B.A., Pacific Lutheran University; M.C., Seattle University.

MISKELL, WHITNEY, Nursing: B.S.N., Simmons College; M.S.N., University of Michigan.

MIYATA, KIJIRO, Hospitality/Culinary Arts A.O.S., The Culinary Institute of America; Certified Culinary Educator, Certified Executive Chef, American Academy of Chefs; NRA Sanitation Certificate; Seattle Wine School Certificate; Community College Vocational Certificate.

MOHEB, PARVIZ, ESL: Mash-had University, Iran; M.A., University of Leeds, U.K./Tehran University (Joint Project); Ph.D. candidate, University of Illinois.

MOISE, DAVID M., Graphic Imaging & Printing Technology: A.A., Laney College, Oakland; B.A., California State University; M.A., University of California; Professional Vocational/Technical Teaching Certificate.

MORALES, LAWRENCE, Mathematics: B.A., California State University; M.S., Brown University.

MOSELEY, VICKI, Counselor, Sociology: B.A., Stephen F. Austin State University; M.A., School Counseling, Gallaudet University.

MUHICH, JANE, Mathematics: B.S., University of California at Los Angeles; Math Credential Program, California State University.

MULLENS, DAVID, Marine Carpentry: A.A.S., Seattle Central Community College; B.S., City University; Community College Vocational Certificate; A.A.S., South Seattle Community College.
MUNCH, DAVID, Chemistry: B.S., Portland State University; Ph.D., University of Washington.

MYERS, BRUCE A., Physics: B.A., University of California at Berkeley; M.S., University of Washington.

NAEI, ESMAEEL, Chemistry: B.S., Southwest Texas State University; M.S., Ph.D., New Mexico State University.

NAKAYA, HISAKO, Apparel Design and Services: B.A., University of Washington; Professional Vocational/Technical Teaching Certificate.

NAKAYA, HISAKO, Apparel Design and Services: B.A., University of Washington; Professional Vocational/Technical Teaching Certificate.

NAMBI, PACHA, Chemistry: B.S., University of Madras, India; M.S., Indian Institute of Technology, Madras, India; Ph.D., University of Oregon.

NATOLI, ROBERT, Computer Information Systems/ Microcomputer Management: B.A., Seattle University; M.A., Simon Fraser University; Professional Vocational/Technical Teaching Certificate.


NGUYEN, QUYNH X., ESL: B.A., Saigon University; M.A., Syracuse University.

NISHI, JEAN, ESL: B.A., University of Washington.


OLLING, SCOTT, Graphic Imaging and Printing Technology: California State Sacramento; Professional Vocational/Technical Teaching Certificate.

O'NEILL, MICHAEL P., Accounting: B.A., Sociology, University of Washington; M.B.A., Pacific Lutheran University; Certified Public Accountant.

PALAZZO, MARLENE, Business Information Technology: A.A.S., Vocational/Technical Education, South Seattle Community College; B.A., Eastern Washington University; Professional Vocational/Technical Teaching Certificate.

PATTERSON, NYETTA V., Nursing: R.N., A.D.N., Kentucky State University; B.S.N., Midway College; M.S.N., University of Louisville.

PENDERGRASS, MARCELLA M., Adult Basic Education: B.A., University of Michigan.

PEPE, MICHAEL, Mathematics: B.A., Princeton University; M.A., University of Washington; J.D., University of Michigan.

PERKINS, TRICIA, Mathematics: B.S., Grand Valley State University; M.S., University of Michigan.

PETERSON, DEBORAH N., Interpreter Training: B.A., Gallaudet University; M.S., Western Maryland College.


POLYCHRONIDIS, VASILIS, Wireless Communications Technology: B.S., University of Athens; M.S., Ph.D., University of California at Los Angeles; Professional Vocational/Technical Teaching Certificate.

PORTER, SANDRA, Biotechnology: B.S., University of Minnesota; M.S., Ph.D., University of Washington; Community College Vocational Certificate.

QUILL, MICHELE, ESL: B.A., Seattle University.

QUINTANA, VIOLETA, Special Education: A.A., Kirkwood Community College; B.A., University of Iowa.

QUINTERO, DAVID, Spanish: M.A., Ph.D., University of Washington.


REED, DONALD, Hospitality/Culinary Arts: B.A., University of Montana; Pastry and Specialty Baking Certificate, South Seattle Community College.

REMASH, HUBERT S., English: B.A., Franklin and Marshall College; M.A., Purdue University.

RIGHI, BOBBY, Mathematics: B.S., Lamar State University; M.A., Purdue University.

ROBERTS, JOHN W., ESL: B.S., M.A.T. University of Washington.

ROISSMAN, KIM, ESL: B.A., University of Malaya, Malaysia; M.Ed., University of Washington.

ROSE, TERRI, Nursing: B.S.N., M.S.N., Texas Women's University.

RUDO, JOANNE, ESL: B.S., Portland State University.

SALDIN, JOSEFINA A., ESL: B.A., University of St. Thomas; M.A., Defa Salle University.

SALVERDA, MARC, Graphic Design & Illustration: B.A., Washington State University; Professional Vocational/Technical Teaching Certificate.

SANSTAD, GORDON, Marine Carpentry: Community College Vocational Certificate.

SAKAI, YUKI, Music: B.A., Toho Gakuen, Tokyo, Japan; M.M., Ph.D., University of Washington.


SCHROEDER, SANDRA, English: B.A., University of Kansas; M.A., University of Washington.

SCHROEDER, SANDRA, English: B.A., University of Kansas; M.A., University of Washington.

SCHROEDER, SANDRA, English: B.A., University of Kansas; M.A., University of Washington.

SCHOEPBERN, MARIA, ESL: B.A., University of Massachusetts; Certificate in Teaching English as a Second Language, Seattle University.

SHAH, JING-SONG, ESL: B.A., University of Sichuan, China; M.A., University of Washington.

SHOOP, JANE, Librarian: B.A., University of Washington; M.L.S., University of Denver.

SIGELMANN, CAMILA, Apparel Design and Services: A.A.S., Seattle Central Community College; B.A., University of Washington; Professional Vocational/Technical Teaching Certificate.


SIMMONDS, YVONNE, Counselor: B.A., California State College at Stanislaus; M.A., University of San Francisco.

SIMMONDS, YVONNE, Counselor: B.A., California State College at Stanislaus; M.A., University of San Francisco.


SOLLE, MARY ANN, Counselor: B.A., Webster College M.S., University of Southern California.

SOUMA, ALFRED, Counselor, Special Education: B.S., St. Francis; M.A., University of California at Los Angeles.

SOUMA, ALFRED, Counselor, Special Education: B.S., St. Francis; M.A., University of California at Los Angeles.
SPAIN, ANTHONY, Music: B.A., Colorado State University; M.A., University of Northern Colorado; Ph.D., University of Washington.

SPENCE, SHARON G., Librarian: B.A., Barry University; M.L.S., University of Washington.

STEWART, J.T., English: B.A., Fisk University; M.A., Fordham University.

STRICKLAND, KAREN, Social & Human Services: B.A., California State University at Long Beach; M.S., California State University at Fullerton; Community College Vocational Certificate.


SUAREZ, JASON, History: B.A., University of California at Santa Barbara; Ph.D. candidate.

SUN, YILIN, ESL: B.A., Central China Normal University; M.A., University of Washington.

SWISHELM, JOHN, Mathematics: B.S., Ohio State University; M.S., Cleveland State University.


TENNYSON, BILL, Business Administration: B.A., University of Washington; M.S., University of Oregon.

TESDELL, REBECCA, ESL: B.A., University of Washington; M.A., School for International Training.

THOMAS-SCHIER, MARALYN, Child and Family Studies: B.S., M.H.Ec., Oregon State University; Community College Vocational Certificate.


TILLEY, DANIELLE, R., Biology/Microbiology/Biotechnology: B.S., The College of New Jersey; Ph.D., University of Southern California at Los Angeles.

TIU, FELICE, Mathematics: B.S., University of San Carlos (Philippines); M.S., Colorado State University; M.S., Oregon State University.

TOMASHAMMOND, ALEJANDRO, Commercial Photography: B.A., Brooks Institute of Photography; Professional Vocational/Technical Teaching Certificate.

TONACCHIO, SAL, Video Communications: B.F.A., City College of CUNY; M.S., Brooklyn College CUNY; Professional Vocational/Technical Teaching Certificate.

TRIPP, SHARON, The School of Opticianry: Certified Optician; A.A.S., Ophthalmic Dispensing Technology, Seattle Central Community College; Community College Vocational Certificate.

TROTTER, EVELYN, ESL: B.A., University of Malaya; M.A., University of Washington.

TURNER, DEBORAH, Institute of English: B.A., University of Oregon; M.S., Portland State University.

VAN GENDEREN, KAREN, ESL: B.A., Seattle University; M.A., Teachers College, Columbia University.

VAUGHN, DENISE M., ESL: B.A., University of Michigan; M.Ed., Temple University Japan; M.A. ABS, Bastyr University.

VERKUILEN, MARTI, Counselor, Vocational Rehabilitation: B.S., University of Wisconsin-Stout; M.S., Western Oregon University.

VINCENT, CLYDE, American Sign Language: B.A., Gallaudet University; M.S., Western Oregon State College.

VIRK, GRUTANINDER (RICKY), Nutrition/Health: B.A., University of Texas; M.S., Ph.D., Oregon State University.

WALLMARK, JOANNE, ESL: B.A., M.A., University of California at Los Angeles.

WALUCONIS, CARL, English: B.A., Towson State University; M.A., Western Washington University.

WEISS, JANE C., ESL: B.A., National Taiwan University; M.A., University of Washington.

WEST, BEVERLEY L., ESL: B.A., University of Nevada; M.A., San Francisco State University.


WOODMANSEE, ANN, Institute of English: B.A., University of California at Berkeley; M.A., San Francisco State University.


WYMAN, JEB, English: B.A., University of Washington; M.A., Western Washington University.

YASUDA, LAUREN, Biology, Biochemistry, Biotechnology: B.S., University of California at Los Angeles; Ph.D., University of Washington.

YOUNG, EVAN KENT, ESL: B.A., The Evergreen State College; Teaching Certificate in ESL, English and Social Studies, University of Washington; M.A., City University.

ZARIF, MOHAMMAD, ESL: B.A., Kabul University, Afghanistan; equivalent B.A., University of Washington; M.A.T., School for International Training.
