



Seattle Central Community College



Biotechnology student Latrice Wilson

Seattle Central overlooks downtown Seattle from Capitol Hill, one of the liveliest neighborhoods in the city. The college has received national recognition for promoting educational excellence in its multicultural urban environment. *Time Magazine* designated Seattle Central as a 2001-2002 "College of the Year" in recognition of its innovative student services and educational programs. These include a nationally recognized Coordinated Studies Program with multi-disciplinary teams of faculty who teach around a central theme of inquiry.

The college is among the top five in the state to transfer students to four-year colleges, and it also offers more than 35 professional-technical programs, in well-paying, high-demand fields such as Arts Management, Biotechnology, Commercial Photography, Information Technology and Wireless Telecommunications. Details on these programs and more can be found in this section.

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

Student Activities Center and college bookstore



Student team working in one of the campus laboratories



Dr. Mildred W. Ollée, President of Seattle Central Community College



GETTING STARTED AT CENTRAL

Admissions	(206) 587-5450
Financial Aid	(206) 587-3844
International Student Admissions	(206) 587-3893
Registration	(206) 587-6918
TTY	varies by department

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.

LEARNING OUTCOMES

Intra-personal learning

- Life-long learning
- Self-reflection
- Self-esteem
- Self-responsibility

Appreciation and expression

- Art
- Dance
- Drama
- Literature
- Music

Skill development

- Computer use
- Critical thinking
- Language proficiency
- Information literacy
- Professional-technical skills
- Quantitative skills

Knowledge of ideas and issues shaping human history

- Economic
- Environmental
- Ethical
- Media
- Scientific
- Social systems

Seattle Central Community College is **Creating**
a Learning Environment that is Accessible,
Diverse, Responsive, and **Innovative**

FACTS AT A GLANCE*

Annual attendance 2002-2003 20,211

FALL 2003 PROFILES

Students**

Median age	26.5
Ethnic diversity	49%
Male / female	41% / 59%
With bachelor or higher degrees	13%
Employed	65%
full-time	34%
With dependents	24%
single parents	9%
Full-time / part-time attendance	59% / 41%

Programs

College Transfer	36%
Professional / Technical	32%
Basic Skills	15%
Continuing Education & Other	16%

Courses

State-funded	91%
Contract-supported	2%
Student-supported	7%

Special Enrollments

Distance Learning	2,993
Running Start	558
International Contract	861
Worker Retraining	472

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

ADDITIONAL CAMPUS FACILITIES

Seattle Maritime Academy

4455 Shilshole Ave NW Seattle, WA 98107

Seattle Maritime Academy is located on the working waterfront of the lake Washington Ship Canal, where it is a regional resource for Coast Guard-approved training courses and entry-level Engineering and Deck courses. The Academy offers certificate programs in Marine Deck Technology and Marine Engineering Technology, as well as community service training in a variety of marine-related subjects. The Academy also provides customized training under contract to private sector companies, government agencies, military units and unions.

Wood Construction Center

2310 So. Lane, Seattle, WA 98144

The Wood Construction Center has trained northwest woodworkers since 1936. Programs include core training in safety, skills, tools and materials, and specialization in Cabinetmaking, Carpentry or Boat Building, in which students can earn either an associate of applied science degree or certificate. The Center also offers evening community education classes at a variety of skill levels.

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 courses appropriate to their individual academic goals as well as the requirements for two-year degrees and/or transferring to a four-year institution.

Career Information Center (206)344-4383

The Career Information Center (CIC), located in room BE1107F, 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 and a variety of publications.

OFFICE HOURS:

Monday	8:30 a.m. – 4:30 p.m.
Tuesday	8:30 a.m. – 6:30 p.m.
Wed - Fri	8:30 a.m. – 4:30 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; résumé and employment letter critiques; on-campus employer/agency recruiting visits; annual career fair; and access to a computer for résumé and cover letter preparation

College Transfer Center (206)587-5469

Planning to transfer to a four-year school? The College Transfer Center, located in room BE 1107, is available to all registered Seattle Central students with a special focus on the needs of students of color. The Center enables Seattle Central 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.

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

OFFICE HOURS:

Mon - Fri	8:00 a.m. – 4:30 p.m.
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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 or zip disk and a lab fee are required. Students without computer experience are encouraged to enroll in MIC 102-I (a 1-credit orientation course), or MIC 102-W (a 1-credit introduction to Microsoft Word). Free introductory workshops are available. Call the Center for more information.

Counseling Services (206)587-3851

Counselors work in divisions throughout the college to assist students in educational planning and career and personal counseling.

Distance Learning

(206) 587-4060

Seattle Central's Distance Learning Programs provide the opportunity to attend college via online, correspondence, television or videocassette courses. Students may earn an Associate of Arts degree at their own pace while experiencing the same curriculum, content, and challenges as on-campus courses. Through Distance Learning, the classroom comes to the student, a great option for those who work evenings, have children at home, lack transportation or simply want to study when and where they want. For students interested in upgrading skills, a variety of non-credit Distance Learning classes are also offered, including computer and information technology courses.

Library

(206) 587-4050

The library offers a wide range of information resources to 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.

Seattle Central students have access to library collections from all three campuses. In addition to the internet, students can use inter-library loan to access library materials from other libraries in Washington and nearby states.

Media Services

(206) 587-4053

Audio-visual items available to students and faculty include audiocassettes, videotapes, CDs, DVDs, slides, and related equipment to support classroom instruction. Media Services also provides duplication services for audiocassettes, videotapes, and CDs.

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 the Lunar New Year are sponsored by the Student Leadership Office. Students can contact the Student Leadership Office, located in room SAC 315 (above the Bookstore), at (206) 587-6924.

Multicultural Initiatives

(206) 587-4085

Seattle Central attracts a culturally diverse population of students who are supported by many offices in achieving their academic goals. The Multicultural Initiatives and Multicultural Events and Activities offices collaborate on multi-ethnic, social and cultural programs and events that encourage student learning and development and implementation of programs, curriculum and services that promote multiculturalism. Programs such as the Students of Color Leadership Institute provide early learning opportunities to facilitate student success.

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).

Testing Office

Automated Appointment Scheduling	(206) 587-6913
GED	(206) 587-6915
Office Information	(206) 587-6344

The Testing Office, located in room BE1108, next to Admissions, offers Math and English placement tests, GED exams and exam proctoring services for other institutions. Testing schedules and detailed descriptions of each exam offered are available by phone and by clicking on [schedule](http://www.seattlecentral.edu/testing/) at www.seattlecentral.edu/testing/.

Tutoring: 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.

CAMPUS FACILITIES & SERVICES

M. Rosetta Hunter Art Gallery

(206) 344-4379

Located in the Atrium (room BE2116), the art gallery offers exhibits and activities from September through July. Regular hours are 9:30 a.m. to 3:30 p.m., Monday through Friday; also, 5 p.m. to 7 p.m., Tuesdays and Wednesdays.

Bookstore

(206) 587-4148

The Bookstore is located across the street from the main college building on Broadway. The bookstore 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 during final exam week of each quarter. Hours of operation can be confirmed on the website at <http://seattlecentral.bkstore.com>.

Childcare Center

(206) 587-6938 & (206) 587-6901

The Childcare Center is located in room BE1113 and is certified to care for children ages 18 months through 5 years old. The Center provides quality care with developmentally appropriate, culturally relevant activities for children of student-parents. The teacher-to-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. Priority is given to the children currently enrolled in the Center. A short waiting list will be kept for the upcoming quarter only. Student-parents are responsible for re-enrolling their children for the waiting list each quarter. Call for registration dates.

Copy Center

(206) 587-5419

Copying is done by Copy Center staff, or can be done on a self-service copier. Various sizes and colors of paper, including resume-quality, are available. The Copy Center also creates transparencies for classroom presentations. U.S. Fax service is available. The Copy Center is in Room BE 3105A.

Deaf: Center for Deaf Students

(206) 587-4183 (v/tty)

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 assists deaf and hard-of-hearing students with interpreting and counseling. Each student receiving support services from the Center works with a counselor fluent in ASL, and may receive interpreting services for classes, tutoring and school-related activities. It is important that students register with the Center for Deaf Students office before accommodations are made.

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

Food Services

(206) 344-4319

The Atrium Cafeteria, located across from Registration, is open from 7:30 a.m. until 2:30 p.m. Monday - Thursday and until 2:00 p.m. on Friday. This area features a variety of breakfast items, beverages, salads, sandwiches and snacks. The Central, located across the hall from the Financial Aid Office, has similar hours, but remains open until 8:15 p.m. Monday - Thursday. The Central features coffee, beverages, snacks, 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.

Metro Bus Service

Seattle Central Transportation Services

(206) 587-6932 & (206) 344-4393

Due to limited parking and environmental concerns, carpooling and bus transportation are 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 visit Transportation Services in room BE1112.

Parking Services

(206) 587-6932

Student parking in the garage before 12:00 noon is limited to students with Seattle Central 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 12:00 noon. After 12:00 noon, parking can also be paid for on a daily basis (\$4/day) without a quarterly permit. All parking permits and carpool applications can be purchased at the Cashier's office. Students must have registered and paid for classes prior to being able to buy a permit.

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 professional-technical classes. In the event of an on-campus accident or injury, students and faculty should report the accident to the 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

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 Security Office, as well as at the Office of the Registrar, Financial Aid Office, and Student Leadership Office.

POLICY ON DRUGS

To provide a healthy, 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 Activity Center, the 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 districtwide policy provides broad coverage at a comparatively inexpensive rate. Information is available in the Student Leadership Office (above the Bookstore).

EXTRACURRICULAR ACTIVITIES

Student Activity Center

Recreation Information Line

(206) 587-6315

Much equipment and many activities are housed in the new three-level building complex directly east of the main campus, including a 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 sports equipment. Towels are provided free of charge.

Student Leadership Division

(206) 587-6924

The Student Leadership Division, located above the Bookstore, offers students a wide variety of learning opportunities outside the formal classroom. Through involvement in co-curricular and extra-curricular social, cultural, and service programs and activities, students can identify and develop leadership skills and promote social and cultural sharing. Opportunities for involvement include:

STUDENT AMBASSADOR CORPS

This program provides a context in which to develop concrete organizational, leadership, presentation, and communication skills to represent the college. Students learn about the community college and communicate and problem solve within it. Students may explore leadership theory and may get involved in a range of students leadership roles.

COLLEGE ACTIVITIES BOARD

The students who make up the College Activities Board work closely with the coordinator of Multicultural Events and Activities to create and facilitate programs, workshops, celebrations, music, and ceremonies that promote social and cultural understanding.

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.

STUDENT COUNCIL

The official student government, responsible for representing students' interests to the college administration, is composed of 12 members selected through a competitive process each spring to serve the following academic year. The six members of the Executive Board fulfill job descriptions set forth in the Associated Student Council Bylaws, while the six Associate members may undertake seasonal or ad hoc projects and responsibilities that serve the student body. Their weekly meetings are open to all students.

STUDENT CLUBS

Each year students form 40-50 clubs representing the broad spectrum of interests and activities of Seattle Central's diverse student body.

STUDENT DEVELOPMENT TRANSCRIPT

The Student Development Transcript provides an official record of students' involvement, service and leadership in clubs, boards and committees. This record may be used as an addition to school, job and scholarship applications.

STUDENT ORGANIZATIONS BUDGET BOARD

Members of the Student Organizations Budget Board have the responsibility of allocating funds to support the projects and activities of Seattle Central clubs.

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 twice a year through Women's Programs, the *Women's Forum* features articles, poetry and artwork by and about Seattle Central students.

Student Recreation

See Student Activity Center

Wellness Center

(206) 344-4413

Central's Wellness Center, located in room BE1146, offers a comprehensive program of prevention and wellness to create an environment supportive of healthier lifestyle choices. Students should contact the Wellness Center for resources, information, and referrals for both on and off-campus services. This is not a medical office; however, resources for affordable clinics can be accessed both daytime and evenings. For more information, visit the website at www.seattlecentral.edu/wellness.

AFFILIATE ORGANIZATIONS

Seattle Central 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 Seattle Central Foundation

(206) 587-5490

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 staff and volunteer Board of Directors actively seek 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 primary funding priorities of the Foundation are the college-wide tutoring program, student scholarship program, faculty development and the childcare scholarship fund. Additional fund-raising priority projects are undertaken on a case-by-case basis.

Specialized Programs & Services

HIGH SCHOOL-TO-COLLEGE

Running Start

(206) 587-3820

The Running Start program gives high school juniors and seniors whose test scores place them in college-level coursework, the opportunity to enroll in tuition-free, college-level classes for credit while earning high school credit at the same time. For more information call or check the website: <http://seattlecentral.edu/runstart>.

TechPrep

(206) 903-3222

Students earn college credit while in high school and start their careers in automotive technology, business information technology, culinary arts, drafting and computer-aided design, and many other fields. High school courses counted as college credit allow students to earn an Associate of Applied Science or industry-specific certificate faster. TechPrep is tuition-free. See page 25 for more information.

INTERNATIONAL STUDENT 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. 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 Education Programs

(206) 587-3893

This office can help international students get started in their educational program and adjust to the Seattle area. See page 13 for additional information.

International: District Study Abroad Office

(206) 587-3806

The Study Abroad Office coordinates academic programs in countries around the world for students at all of the Seattle Community Colleges. Currently, programs are planned for London, Paris, Florence and Costa Rica. Students may earn up to 15 credits and may be eligible for financial aid. Information is also available for other study opportunities working, interning or volunteering abroad. The office is in Room 204, South Annex (Broadway and Pine). Office hours: 8 a.m.-4:30 p.m., M-F. Additional information: <http://seattlecentral.org/international/sccd/index.htm>

TRAVEL/STUDY COURSES

Cooperative Education & Career Placement

(206) 587-5422

Travel/Study courses provide students with an 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.

EDU 291	Using the World as a Classroom	5-10
ITL 197	International Cooperative Education	5
ITL 198	International Cooperative Education	5
HUM 289	Chinese Language Enhancement through Experiential Activities	5-10
HUM 290	German Language Enhancement through Experiential Activities	5-10
HUM 291	Spanish Language Enhancement through Experiential Activities	5-10
HUM 292	French Language Enhancement through Experiential Activities	5-10
HUM 293	Italian Language Enhancement through Experiential Activities	5-10
HUM 297	Japanese Language Enhancement through Experiential Activities	5-10
HUM 298	Portuguese Language Enhancement through Experiential Activities	5-10
SCI 296	Natural History: Tropical Ecosystems in Costa Rica	5-10
SCI 297	Natural History: Tropical Ecosystems	5-10
SSC 297	Travel/Study Experience	5-10

Senior Adult Education

Washington State residents 60 years old or older may register for up to two courses either audit or credit for a fee of \$5.00 per class. Seniors register on a space-available basis beginning the second week of the quarter but prior to the tenth day of the quarter. Students should attend class the first week of the quarter with instructor permission while waiting to find out if class space is available. If the instructor allows the student to attend, the student should pick up an enrollment form from the registration or information center to obtain instructor's signature to enroll. Students are responsible for any additional charges, such as I.D. card, lab fees, activity fee, transportation fee, books or supplies.

Veterans' Affairs

(206) 587-4147

This office provides several special services for veterans. For more details, see "Financial Assistance for Veterans," pages 9 and 12.

Women's Programs

(206)587-3854

Women's Programs, located in room 202 of the Fine Arts Building at Harvard and Pine, assists women in identifying and achieving their educational and career goals. Programs place 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 and WorkFirst work study. Students can also access program information at the Internet site: www.seattlecentral.edu/womens-prog.

The *Women's Forum*, a student publication celebrating the literary and artistic expression of Seattle Central 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 and 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. Seattle Central students may also register for HDC 190, Women in Society, to receive credit for participating in the lecture/discussion series.

Worker Retraining

(206)587-6310V/TTY

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
- training
- placement
- job search assistance
- financial aid

WorkFirst Services

(206)587-3854

WorkFirst Services primarily assist parents who are receiving public assistance through the Temporary Assistance for Needy Families (TANF) program, and who wish to improve their job skills and further their education. Some services are also available to other low-income parents. WorkFirst classes and services are free to eligible students. Seattle Central's current WorkFirst programs include:

CUSTOMIZED JOB SKILLS TRAINING

Seattle Central works with local employers to offer 12- to 22-week training programs to WorkFirst participants, and provides intensive job placement assistance for program completers.

WORKFIRST WORKSTUDY

The WorkFirst Work Study program provides work experience and additional income for WorkFirst students in conjunction with job skills courses, GED preparation or other basic skills courses.

TUITION ASSISTANCE FOR WORKING PARENTS

The WorkFirst Program provides funds for tuition, fees and books for eligible low-income working parents to take job skills courses and programs, when other financial aid is not available. For more information, contact the WorkFirst Office.

College Transfer Programs

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 earn 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 pages 17-21 for information on transfer degrees.

ACADEMIC PROGRAMS

College transfer courses are offered in several disciplines, including:

Anatomy & Physiology	Earth Science	Journalism
Anthropology	Economics	Mathematics
Art	English	Music
Astronomy	Environmental Science	Nutrition
Biology	General/Biological Science	Philosophy
Business	Geography	Physics
Chemistry	Geology	Political Science
Communication	Health	Psychology
Computer Science	History	Sociology
Drama	Humanities	World Languages

These fields of study are grouped among three Areas of Knowledge (see page 21) and are included throughout the A.A. degree curriculum.

Education Pre-Major

ASSOCIATE OF ARTS DEGREE (EDUCATION EMPHASIS)

Teacher Training/Education Programs (206) 287-5566

Total Program Credits: 90 (206) 587-3895

The Associate of Arts (Education Emphasis) Degree is designed for students transferring to four-year universities to pursue a professional teaching degree. Under an agreement with Western Washington University, Seattle Central A.A. (Education Emphasis) students will be given priority consideration when applying to WWU's Seattle-based program. However, this degree also provides coursework for enrollment in any Washington-state approved B.A. in Elementary Education teacher preparation program.

Students wishing to earn this degree must successfully com-

plete 90 credits of college transfer courses within the appropriate required distribution areas. See page 21.

NOTE: An A.A. degree with a cumulative GPA of 2.75 (or for the most recent 45 quarter credit hours) is required for admission to Western Washington University's B.A. in Elementary Education Teacher Preparation Program. In addition, the student must receive a B- or better in ENG 101 or ENG 102 and CMN 120.

REQUIRED COURSES

ENG 101	Composition	5
ENG 102	Composition	5
-OR-		
ENG 201	Advanced Composition	5
MAT 102	College Algebra	5
-OR-		
MAT 116	Applications of Math	5
CMN 120	Intro to Public Speaking	5
PSY 110	General Psychology	5
HUM 105	Intercultural Communication	5

SUGGESTED ELECTIVES

EDU 201	Introduction to Education	5
MIC 106	Intro to Software Applications for K-12 Educators	5

OTHER REQUIREMENTS

Credits in distribution and areas of knowledge as required for an A.A. degree.

Please see advising and the program profile brochure for additional specific A.A. (Education Emphasis) program coursework and information.

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.

Associate of Applied Science Transfer Degree

(See page 19 for information)

Basic Studies

(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) 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.) Call the office for fee information.

General Equivalency Development Preparation

Adults may demonstrate that they have reached an education level equal to a high school diploma by taking the General Equivalency 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.) Call the office for fee information

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. 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. Call for information on fees.

College Preparatory English

This program is designed for students preparing for vocational or academic study at U.S. colleges. The classes help the non-native speaker 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 advance 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.)

Pre-College English, Mathematics & Human Development Courses

Many students entering college or returning after some time away from studies need additional work to prepare for college-level courses. For these students, the Seattle Community Colleges offer a series of courses in English, mathematics and human development. Placement in one or more of these courses is determined by performance on entrance tests required for admission to specific college programs. Courses in this category are those numbered below 100. They are described in the course description sections for English, Mathematics, and Human Development. For more information about the pre-college, basic studies courses, please contact the division counselor at (206) 587-5408.

High School Completion

(206) 587-5450

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 the Admissions Office 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 since such student commenced the ninth grade unless more than ten years has passed since such entry. In such case, the student shall have the right to graduate in accordance with the standards in effect for the school of graduation for any year within the last ten years." A fee may be required (see class schedule for details).

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 *

Sophomore English (ENG 092 -OR- 096)	5**
Junior English (ENG 096 -OR- 101)	5
Senior English (ENG 096 -OR- 101 -OR- 102)	5
Fine Arts (Drama, Music -OR- Art)	5
Pacific Northwest History (HIS 264)	5
U.S. History I (HIS 111, 113, 114)	5
U.S. History II (HIS 106, 112, 115)	5
Contemporary World Problems	5
<i>Courses may be selected from POL 112, 220, 230; ENV 150; GEG 207; ECO 160, 203; HIS 103, 200; SOC 110, 200, 150, 270, ANT 130.</i>	
Mathematics series (MAT 081)	10
<i>Pre-algebra, Algebra I, or a math class at student's placement level.</i>	
Science	10
<i>Two courses, one of which must be a lab science. To complete the science requirement, the student may take any science courses for which prerequisites have been met.</i>	
Occupational Education	5
<i>May be chosen from any professional technical courses.</i>	
Physical Education	2
<i>May be waived with permission.</i>	
Health (HEA 125, 150)	5
Approved Electives	23-25
<i>Electives are chosen from college transfer or professional technical courses.</i>	

TOTAL CREDITS 95

Students who began ninth grade prior to July 1, 1987 are not required to complete the 5-credit Fine Arts requirement. For those students, a total of 90 credits is required as follows:

Required credits	70-72
Elective credits	23-25

TOTAL CREDITS 95

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

***In the Seattle Community Colleges, a 5-credit class is equivalent to one year of high school study.*

WORK EXPERIENCE

Through the Cooperative Education Office, up to 5 credits may be granted for current work experience.

**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:

U.S. History I (HIS 111, 112, -OR- 114)	5
U.S. History II (HIS 106, 112, -OR- 115)	5
Pacific Northwest History (HIS 264)	3-5

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's degree option, only the courses listed above for Option B will be covered by the waiver.

Students 18 years old and younger whose class has not yet graduated must pay the regular tuition fees for their courses unless they enroll in Running Start (see page 25). Non-residents will be charged the resident tuition fee. These 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

(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.

Cooperative Education and Career Placement

(206) 587-5422

The office of Cooperative Education and Career Placement 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

Career placement offers a variety of services to students, including job/intern/volunteer listings, professional résumé 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.

Service-learning (206) 587-5422

Service-learning is a pedagogy that integrates community service and academic instruction by focusing on critical reflective thinking and civic responsibility.

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 and new technology 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, teacher's review and comments via e-mail.

3D Animation Multimedia Courses (206) 344-4350

Seattle Central offers 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.

Customized/Contract 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, Family Education Program, and Sustainable Building Advisor Certificate Program reflect a growing trend in short-term, high-impact development for high-demand professionals with special knowledge and skills. Continuing Education units are also available for professional development requirements.

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.

Workforce Education Programs

APPAREL DESIGN & SERVICES

Communications & Design Division (206) 587-3830
 Apparel Design and Services is a full-time, six-quarter program offering an Associate of Applied Sciences degree. Courses are carefully designed to develop skills used in the garment industry, and focus on the technical aspects of apparel manufacturing such as ready-to-wear and custom construction techniques, approaches to production of patternmaking, and pattern grading. The program also includes courses in computers, design, color and textiles, alterations, and contemporary tailoring. Five credits of supervised work experience in the industry are required for completion of the program.

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

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: Apparel Design & Services*	5
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 & Résumé Development*	2
ADS 240 Computerized Pattern Grading*	3
ADS 243 Textile Technology & Design III	2
ADS 250 Final Line Design & Development	6

RELATED INSTRUCTION

ADS 298 Special Topics in Apparel Design & Services ...	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

*Classes which meet the Related Instruction requirement.

TOTAL CREDITS

90-92

APPLICATIONS SUPPORT

Communications & Design Division (206) 587-3830
 The Applications Support program is a three-quarter certificate program or 4 quarter A.A.S.-T. degree program. The curriculum is designed with input from industry representatives to include skills needed for successful employment. Students will focus on installing and configuring hardware and software, while learning how to troubleshoot various widely used applications. Students become proficient in Windows as well as relational databases, spreadsheets and complex documents. This program can prepare students to take the Microsoft Specialist (MOS) exams in various applications. Curriculum is updated frequently to respond to industry.

Certificate

TECHNICAL SPECIALTY COURSES

ITC 160 PowerPoint Presentations	4
ITC 161 Supporting Microsoft Word	4
ITC 122 Supporting Microsoft Excel	4
ITC 134 Computer Operating Systems	5
ITC 140 Intro to Computer Hardware	5
MIC 110 Program Design and Development in Visual Basic	4
MIC 120 Database, Applications & Design with MS Access	4
MIC 197 Work Experience: Microcomputer Management	4
WEB 110 Web Authoring I	4

RELATED INSTRUCTION

ACC 210 Financial Accounting Fundamentals I	5
-OR-	
NET 120 Networking Essentials-Comptia Network +	5
BUS 140 Customer Relations	5
MAT 110 Applied Math for Technicians	3

TOTAL CREDITS

51

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

Completion of Certificate Requirements	51
ENG 101 Composition	5
HUM 105 Intercultural Communications	5
MAT 116 Applications of Mathematics to Management, Life & the Social Sciences	5

- OR -

MAT 107 Math for Liberal Arts	5
ITC 285 Capstone Project	5
IT Electives	10
Science or Social Science Electives	9

TOTAL CREDITS

90

ARTS MANAGEMENT

Communications & Design Division (206) 587-3830
 The Arts Management Certificate Program provides a three-quarter (nine-month) certificate for individuals seeking employment or skill development in management and operations positions – not artistic performance positions – in arts organizations. The program emphasizes application of business, accounting, computer and communication skills. Internships provide opportunities for students to apply their skills while learning about specific arts organizations.

NOTE: This program is currently under revision. Students should check with the division office regarding current requirements.

Certificate

REQUIRED COURSES

ACC 210 Financial Accounting Fundamentals I	5
BUS 101 Intro to Business	5
COM 140 Intro to Media Images	3
COM 197 Visual & Applied Communications	3
COM 200 Small Group Productions	4
ENG 101 Composition	5
HDC 106 Interviews, Résumés & Job Hunting, Employer/Employee Interaction	1
MIC 105 Using Computers	2
MIC 130 Digital Imaging	3
COM 102 TV Production & Post Production	5
COM 214 History of Film & Video	3
COM 215 Media Law & Ethics	3
COM 225 Advanced TV Production & Applied Communication	5
COM 235 Production Management	3
COM 250 Portfolio Preparation	2
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TOTAL CREDITS	52

BIOTECHNOLOGY

Science & Math Division (206) 587-3858
 Skills and training for those interested in working at biotechnology companies or research laboratories using biotechnology. Students completing the basic Biotechnology program earn an Associate of Applied Science-Transfer Degree (A.A.S.-T). An Associate of Science Degree (A.S.) may be earned by completing the basic program requirements plus 15 additional credits in the Visual, Literary, and Performing Arts category, and 20 additional credits in the Individuals, 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.

NOTE: This program is currently under revision.

Students should check with the division office regarding current degree requirements.

Students intending to transfer to a four-year university should take 200-level BIO (Biology) and the chemistry (CHE) course designated for their major.

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

TECHNICAL SPECIALTY COURSES

BIO 101 General Biology I*	5
BIO 102 General Biology II*	5
BIO 195 Biotechnology Seminar I	1
BIO 196 Biotechnology Seminar II	1
BIO 197 Cooperative Work Experience**	3
BIO 280 Microbiology	5
BIO 282 Media & Solution Preparation	2
BIO 285 Biotechnology I	6
BIO 286 Biotechnology II	6
BIO 287 Biotechnology III	6
BIO 290 General Genetics	5
BIO 295 Immunology	5
CHE 101 Chemistry†	5
CHE 102 Chemistry†	5
CHE 103 Biochemistry†	5
CHE 211 Quantitative Analysis for Biotechnology	5
CSC 180 Scientific Computing & Bioinformatics	3
MIC 101 Intro to Microcomputer Applications††	4

RELATED INSTRUCTION

ENG 101	Composition	5
ENG 106	Technical Writing †††	3
MAT 122	Pre-calculus	5

* ANP 128, BIO 201 or higher may be taken as substitutes.

** May be taken any time during program. BIO 280 is recommended before applying for internship positions.

† Any Chemistry series higher than 100-level may be substituted.

†† Any four-credit MIC may be substituted.

††† Students intending to complete transfer degrees (A.A. or A.S.) need to take ENG 102 instead.

ELECTIVES

Select 5 elective credits

TOTAL CREDITS	95
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BUSINESS INFORMATION TECHNOLOGY

Allied Health, Business, Languages
& Cultures Division (206) 344-4347

The Business Information Technology 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

BUS 113	Diversity Issues in Business	3
BUS 116	Business Math/Spreadsheets	5
BUS 131	Integrated Communications I	5
BUS 132	Integrated Communications II	5
BUS 140	Customer Relations	5
BUS 170	Information Technology I	4
BUS 171	Information Technology II	4
BUS 172	Information Technology III	4
BUS 182	Information & Database Management	5
BUS 197	Work Experience: Business	4
BUS 216	Professional Development	5

TOTAL CREDITS	49
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Associate of Applied Science Degree (A.A.S.)

Completion of Certificate Requirements	49
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RELATED INSTRUCTION

ACC 210	Financial Accounting: Fundamentals I	5
BUS 100	Fundamentals of Supervision	3
BUS 101	Intro to Business	5
- OR -		
BUS 185	Small Business Management	5
BUS 103	Human Resource Management	3
BUS 178	Intro to Web Design/Development w/Dreamweaver	5
BUS 181	Intro to Desktop Publishing	5
MIC 120	Database, Applications & Design with MS Access	4
CMN 105	Perspectives on Communication	5

GENERAL EDUCATION COURSES

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

TOTAL CREDITS	94
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NOTE: Eligibility for graduation requires a minimum 2.0 grade in all required technical specialty and related instruction courses.

Cabinetmaking and Carpentry

See Wood Construction

Chemical Dependency Specialist

See Social and Human Services

Child & Family Studies

See Social and Human Services

ice for program content and requirements.

CULINARY ARTS

Seattle Culinary Academy

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 Associate of Applied Science or Applied Arts (A.A.S. or A.A.) degree thereafter.

NOTE: The A.A.S. degree may not transfer to a four-year institution. To continue for a bachelor's degree, students should see the division counselor or assistant dean to choose courses in support of the A.A. transfer degree.

The program offers workforce education training required for industry opportunities ranging from entry-level to executive chef and key management positions. Graduates may continue their education in the program's continuing education classes. For completion, 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.

The wide selection of classes includes extensive theory, including the French basics; hands-on training in the kitchen, bakery, dining rooms and cafeteria; restaurant management exercises; a "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 fully accredited by the Accrediting Commission of American Culinary Federation.

Culinary Arts

Certificate

TECHNICAL SPECIALTY COURSES

BAK 104	Intro to Baking: Theory	1
BAK 105	Restaurant Baking: Theory	1
BAK 114	Intro to Baking: Practicum	0.5
BAK 115	Restaurant Baking: Practicum	0.5
BAK 116	Fine Dining Baking: Practicum	0.5
CUL 101	Intro to Professional Cooking: Theory	8
CUL 102	Quantity Cooking: Theory	5
CUL 103	Restaurant Cooking: Theory	5
CUL 104	International Cooking: Theory	4
CUL 111	Intro to Professional Cooking: Practicum	4
CUL 112	Quantity Cooking: Practicum	8
CUL 113	Restaurant Cooking: Practicum	8
CUL 114	International Cooking: Practicum	8
CUL 200	Advanced Culinary Management: Clinical	1
CUL 203	Chef of the Day: Practicum	4
CUL 251	Buffet Catering/Garde Manger/ Ice Carving: Theory	4
CUL 255	Buffet Catering/Garde Manger/ Ice Carving: Practicum	8
HOS 101	Intro to Customer Service: Practicum	0.5
HOS 102	Customer Service: Practicum	1
HOS 103	Table Service: Practicum	1
HOS 104	Tablesides Service: Practicum	1
HOS 109	Advanced Customer Service	0.5
HOS 110	Principles of Sanitation	3
HOS 111	Intro to Customer Service: Theory	1
HOS 122	Purchasing & Inventory: Theory	1
HOS 123	Food Costing Principles & Application	1
HOS 124	Computerized Menu Planning	2
HOS 200	Functions of Management	6
RELATED INSTRUCTION		
BIO 103	Nutrition for Food Service Professionals	3
ENG 105	Applied Composition	3
HDC 106	Interviewing, Résumés, Job Hunting, Employer/Employee Interaction	1
MAT 110	Applied Math for Technicians	3
MIC 102	Using Computers	1
PSY 200	Contemporary Problems in Psychology	5

TOTAL CREDITS

102.5

NOTE: Certain courses require concurrent enrollment. Please check under culinary course descriptions for specifics.

Associate of Applied Science Degree (A.A.S.)
Completion of Certificate Requirements 102.5

ALLIED SUPPORT ELECTIVES

Select 12 credits from any CSC, BUS, MIC or college transfer class, or CUL 299.

GENERAL EDUCATION ELECTIVES

Select 4 credits from any humanities, social science, natural science, or CSC class.

TOTAL CREDITS 118.5

Specialty Desserts & Breads

A newly expanded, five-quarter program designed to provide skills in dessert and bread preparation for baking and pastry chef positions in upscale restaurants, hotels, private clubs, catering companies, coffeehouses and pastry shops. Students can begin the program during fall, winter or spring quarters. The curriculum provides a five-quarter certificate, with the opportunity to earn an A.A.S. degree thereafter.

Utilizing contemporary methods and state-of-the-art equipment, the hands-on training covers all aspects of baking and pastry. Students will be trained in rustic artisan breads and dough, plated desserts and complex cakes and tortes, in addition to the requisite croissants and pastries. Items covered include tarts, mousses, truffles, petits fours, wedding cakes and cake decorating, chocolate work, plated desserts and European specialties. Demonstrations of pulled and blown sugar and intricate decoration and showpieces are also included. The program is fully accredited by the Accrediting Commission of the American Culinary Federation.

Classroom theory instruction is accompanied by hands-on experience preparing and serving breads and desserts for two on-campus restaurants and the pastry shop.

NOTE: The A.A.S. degree may not transfer to a four-year institution.

Certificate

TECHNICAL SPECIALTY COURSES

BAK 101 Intro to Desserts & Breads: Theory 4
 BAK 102 Beginning Desserts & Breads: Theory 3
 BAK 111 Intro to Desserts & Breads: Practicum 6
 BAK 112 Beginning Desserts & Breads: Practicum 8
 BAK 113 Intermediate Desserts & Breads: Practicum 8
 BAK 123 Advanced Desserts & Breads: Theory 2
 BAK 124 Advanced Buffet Desserts & Wedding Cakes: Practicum 8
 BAK 125 Advanced Desserts & Breads: Practicum 8
 CUL 106 Intro to Culinary Arts: Theory 1
 CUL 116 Intro to Culinary Arts: Practicum 1
 BAK 200 Desserts & Breads Externship Project 1
 HOS 101 Intro to Customer Service: Practicum 0.5
 HOS 102 Customer Service: Practicum 1
 HOS 105 Bakery Counter Service: Practicum 1

HOS 106 Advanced Bakery Counter Service: Practicum 1
 HOS 110 Principles of Sanitation 3
 HOS 122 Purchasing & Inventory: Theory 1
 HOS 123 Food Costing Principles & Application 1
 HOS 201 Functions of Management 4
 RELATED INSTRUCTION
 BIO 103 Nutrition for Food Service Professionals 3
 ENG 105 Applied Composition 3
 HDC 106 Interviewing, Resumes, Job Hunting, Employer/Employee Interaction 1
 MAT 110 Applied Math for Technicians 3
 MIC 102 Using Computers 1
 PSY 220 Psychology of Human Relations 3

TOTAL CREDITS 76.5

Associate of Applied Science Degree (A.A.S.)
Completion of Certificate Requirements 76.5

ALLIED SUPPORT ELECTIVES

Select 12 credits from any CSC, BUS, MIC or College Transfer Class, or CUL 299.

GENERAL EDUCATION ELECTIVES

Select 4 credits from any humanities, social science, natural science, or CSC class.

TOTAL CREDITS 92.5

DEAF INTERPRETER TRAINING

Allied Health, Business,
 Languages & Cultures Division V/TTY (206) 344-4347
Also see Interpreter Training Program, page 153.

The Deaf Interpreting Certificate program prepares students to work as intermediary interpreters for deaf consumers with special needs and for 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 that prepares them for work in human services 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 arenas 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 equivalent 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 advisor for program application procedures, schedule information and revisions.

Certificate

TECHNICAL SPECIALTY COURSES

ASL 120	Intro to Deaf Studies	5
ASL 125	American Deaf Culture	5
ITP 115	Survey of Interpreting	3
ITP 119	Deaf-Blind Interpreting	4
ITP 145	Ethics of Interpreting	3
ITP 216	Interpreting Specialized Settings	3
ITP 217	Professional Entry Preparation	3
ITP 245	Applied Interpreting Experience I*	4
ITP 250	Applied Interpreting Experience II*	4
ITP 255	Applied Interpreting Experience III*	4
ITP 260	Interpreting IV*	4
ITP 261	Interpreting V*	4
LAN 110	Comparative Linguistics: ASL and English	5

RELATED INSTRUCTION

ENG 101	Composition	5
DRA 112	ASL Theatre	5
HUM 105	Intercultural Communication	5
SPS 201	Survey of Hearing Impairment	5
Any 5 credit course meeting the Math Requirement		5

**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 coursework to remain in the program.

TOTAL CREDITS 76

FILM & VIDEO COMMUNICATIONS

Communications & Design Division (206) 587-3830
 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, digital color posters, Web pages, or CD-ROM in the modern, high technology imaging and printing industry. Courses include hands-on experience with computers, imagesetters, computer-to-plate systems, 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 Associate of Applied Science (A.A.S.) degree.

This curriculum is being revised. Contact the Communications and Design Division office for current information.

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

TECHNICAL SPECIALTY COURSES

COM 101	TV Theory & Camera Composition	5
COM 102	TV Production & Post-Production	5
COM 103	TV Production Crew & Team Projects	5
COM 130	TV Production Design	3
COM 140	Intro to Media Images	3
COM 197	Work Experience - Applied Video Communications	3
COM 200	Small Group Productions	4
COM 214	History of Film & Video	3
COM 215	Media Law & Ethics	3
COM 225	Advanced TV Production/ Applied Communications	5
COM 230	Technical Operations	2
COM 235	Production Management	3
COM 236	Audio Production	3
COM 240	Production Operations	3
COM 250	Portfolio Preparation	2

COM 260 Directing	3
COM 270 In-House Productions	3-5
RELATED INSTRUCTION	
DRA 120 Intro to Acting	5
ENG 101 Composition	5
ENG 102 Composition	5
ENG 150 Writing for the Media: Scriptwriting	5
ENG 155 Writing for the Media: Advanced Scripting	3
ENG 203 Writing for the Media: Advanced Scriptwriting	3
HIS 130 History of Broadcasting	3
MIC 105 Using Computers	2
MIC 130 Digital Imaging	3
MIC 131 Nonlinear Editing	3
MIC 241 2D & 3D Animation	3
SOC 120 Sociology of the Media	3
TOTAL CREDITS	101-103

GRAPHIC DESIGN & ILLUSTRATION

Communications & Design Division (206) 587-3830
 This two-year program combines hands-on computer-based knowledge and skills for employment 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; in 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.

NOTE: The curriculum is currently under revision. Students should check with the division office regarding current information.

Certificate	
TECHNICAL SPECIALTY COURSES	
DES 101 Drawing I	3
DES 102 Drawing II	3
DES 103 Drawing III	3
DES 109 Graphic Design Business Practices	2
DES 110 History of Graphic Design	2
DES 121 Typography I	3
DES 122 Typography II	3
DES 123 Typography III	3
DES 131 Graphic Design I	3
DES 132 Graphic Design II	3
DES 133 Graphic Design III	3
DES 145 Graphic Production I	3
DES 146 Graphic Production II	3
DES 147 Graphic Production III	3
DES 197 Work Experience – Graphic Design & Illustration	3
DES 231 Graphic Design IV	4
DES 232 Graphic Design V	4
DES 233 Graphic Design VI	4
DES 234 Graphic Design VII	4
DES 235 Graphic Design VIII	4
DES 241 Illustration I	3
DES 242 Illustration II	3
DES 243 Illustration III	3
DES 244 Illustration IV	3
DES 245 Illustration V	3
DES 251 Multimedia I	3
DES 252 Multimedia II	3
DES 253 Multimedia III	3
DES 260 Portfolio Preparation	3
RELATED INSTRUCTION	
BUS 185 Small Business Management	5
IMC 100 Media Publication	3
IMC 101 Design for the Visual Arts	3
IMC 297, 298, 299 Integrated Media Communications	18
MIC 101 Intro to Microcomputer Applications	4
SOC 120 Sociology of the Media	3
Electives	12
TOTAL CREDITS	108

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

Associate of Applied Science Degree (A.A.S.)	
Completion of Certificate Requirements	108
<i>Plus 12 additional credits from business-related areas, accounting, business, computers, desktop publishing, or college transfer. Contact the Advising Center.</i>	
TOTAL CREDITS	120

GRAPHIC IMAGING & PRINTING TECHNOLOGY

Communications & Design Division (206) 587-3830
 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 Associate of Applied Science (A.A.S.) degree.

One-Year Certificate

TECHNICAL SPECIALTY COURSES

GPT 100	Intro to Digital Prepress I	3
GPT 101	Intro to Prepress	3
GPT 102	Intro to the Press	3
GPT 103	Intro to Finishing	2
GPT 104	Intro to the Graphic Arts Industry	2
GPT 110	Intro to Digital Prepress II	4
GPT 111	Multicolor Prepress	4
GPT 112	Multicolor Press	3
GPT 113	Finishing	2
GPT 120	Digital Prepress w/QuarkXPress	4
GPT 121	Prepress Practicum	4
GPT 122	Press Practicum	4
GPT 198	New Developments in the Graphic Arts Industry	2

RELATED INSTRUCTION

BUS 185	Small Business Management	5
IMC 100	Media Publication	3
IMC 101	Design for the Visual Arts	3
IMC 297,298,299	Integrated Media Communications	18
MIC 101	Intro to Microcomputer Applications	4
SOC 120	Sociology of the Media	3

TOTAL CREDITS 58

Two-Year Certificate

Completion of 1-Year Certificate Requirements		58
GPT 197	Work Experience: Graphic Imaging & Print Technology	2
GPT 200	Color Theory: Issues & Applications in a Digital World	2
GPT 201	Estimating	2
GPT 202	Production Management	3
GPT 203	Portfolio	3
GPT 211	Digital Prepress & Imaging I	5
GPT 212	Advanced Press	3
GPT 221	Digital Prepress & Imaging II: Color Issues*	4 or 8
GPT 222	Process Color Press*	4 or 8
GPT 231	Production Prepress**	4 or 8
GPT 232	Production Press**	4 or 8
GPT 261	Electronic Publishing Software Apps. I: Focus on Color	4
GPT 262	Electronic Publishing Software Apps. II: Advanced Topics	4
GPT 298	Special Topics	3
HDC 106	Interviewing, Resumes, Job Hunting, Employer/Employee Interaction	1
* 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.		
** Students will take a total of 8 credits in either GPT 231 or 232 or 4 credits in each for a total of 8 credits.		

TOTAL CREDITS 106

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

Completion of 2-Year Certificate Requirements		106
<i>Plus 12 additional credits from business-related areas, humanities, sciences, social sciences, math, or other media programs. Contact the Advising Center.</i>		

TOTAL CREDITS 118

INFORMATION TECHNOLOGY

Note: The Information Technology programs are undergoing revision. Check with the division for the latest information.

Information Technology Services (206)587-6327

Information Technology programs for three- to seven-quarter certificates and the Associate of Applied Science Transfer degree (A.A.S.-T.) prepare students for an industry with a growing need for skilled technicians. After completion of one of the six programs, graduates can expect to find employment as help desk analysts, programmers, Web designers and developers, software support specialists, network designers and administrators, database designers and administrators and IT security specialists.

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 150	Internet and the World Wide Web**	4
ITC 140	Intro to Computer Hardware††	5
NET 120	Network Essentials††	5

* Web Development, Network Design & Administration, and Database Design & Administration only.

** Web Design and Web Development only.

† Web Design and Web Development only.

†† Networking Design & Administration only.

Database Administration and Development Certificate

TECHNICAL SPECIALTY COURSES

CIS 136	UNIX Operating Systems	5
CIS 172	Visual Basic I	5
ITC 110	Programming Concepts & Fundamentals	5
ITC 134	Computer Operating Systems	5
ITC 140	Intro to Computer Hardware	5
ITC 220	Access Database Development	5
ITC 222	SQL	5
ITC 224	Database Programming	5
ITC 226	Database Administration	5
ITC 255	Systems Analysis	5
ITC 280	Web Database	5
WEB 110	Web Authoring I	4

RELATED INSTRUCTION

BUS 140	Customer Relations	5
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TOTAL CREDITS 64

Network Design and Administration

Certificate

TECHNICAL SPECIALTY COURSES

CIS 136	UNIX Operating System	5
CIS 197	Work Experience	3
- OR -		
CIS 290	Independent Study	3
ITC 110	Programming Concepts & Fundamentals	5
ITC 220	Database Development for Programmers	5
NET 122	Network OS 1 - Win2K Professional	5
NET 124	Network OS 2 - Win2K Server	5
NET 126	Network OS 3 - Win2K Network Infrastr.	5
NET 134	Network Communications - TCP/IP	5
NET 138	Unix for Network Administration	5
NET 142	Network Management Cisco I	5
NET 144	Network Management Cisco II	5
NET 146	Network Management Cisco III	5
NET 298	Special Projects for LAN	5
IT Electives		3

RELATED INSTRUCTION

BUS 140	Customer Relations	5
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TOTAL CREDITS 71

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

Completion of Certificate Requirements		71
ENG 101	Composition	5
HUM 105	Intercultural Communications	5
MAT 107	Math for Liberal Arts	5
- OR -		
MAT 116	Applications of Mathematics to Management, Life & the Social Sciences	5
Science or Social Science Elective		5

TOTAL CREDITS 91

Programming

Certificate

TECHNICAL SPECIALTY COURSES

CIS 136	UNIX Operating Systems	5
CIS 172	Visual Basic I	5
ITC 110	Programming Concepts & Fundamentals	5
ITC 115	Intro to C++ Programming	5
- OR -		
CSC 143	Computer Programming II	5
ITC 134	Computer Operating Systems	5
ITC 140	Intro to Computer Hardware	5
ITC 216	Programming for the Web	5
ITC 220	Database Development for Programmers	5
ITC 255	Systems Analysis and Design	5

TOTAL CREDITS 64

ITC 280 Web Database	5
WEB 110 Web Authoring I	4
RELATED INSTRUCTION	
BUS 140 Customer Relations	5
CSC 142 Programming	5
MAT 110 Applied Math for Technicians	3
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TOTAL CREDITS	67

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

Completion of Certificate Requirements	67
ENG 101 Composition	5
HUM 105 Intercultural Communications	5
MAT 107 Math for Liberal Arts	5
- OR -	
MAT 116 Applications of Mathematics to Management, Life & the Social Sciences	5
ITC 285 Capstone Project	5
IT Electives	5
Science or Humanities Credit	5
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TOTAL CREDITS	97

Web Design

Certificate

TECHNICAL SPECIALTY COURSES

CIS 197 Work Experience	1-2
ITC 180 Project Management for Information Technology	3
ITC 200 User Interface Design	5
WEB 105 Working on a Web Team	2
WEB 110 Web Authoring I	4
WEB 112 Typography for the Web	2
WEB 114 Photoshop for the Web	3
WEB 120 Web Authoring II	4
WEB 130 Web Design with Dreamweaver	3
WEB 150 Intro to Javascript	3
WEB 160 Writing for the Web	4
WEB 170 Web Animation Using Flash	3
WEB 200 Theory of Web Design	3
WEB 205 Web Career Strategies	2
WEB 210 Advanced Web Design	5

RELATED INSTRUCTION

BUS 140 Customer Relations	5
MIC 120 Database Applications & Design with MS Access	4
PHI 120 Intro to Logic	5
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TOTAL CREDITS	61-62

Associate of Applied Science-Transfer Degree (A.A.S.-T)	
Completion of Certificate Requirements	61-62
BUS 240 Internet Law	5
ENG 101 Composition	5
HUM 105 Intercultural Communications	5
MAT 107 Math for Liberal Arts	5
MAT 116 Applications of Mathematics to Management, Life and the Social Sciences	5
ITC 285 Capstone Project	5
MIC 298 Advanced Applications Project (Web Emphasis)	5
Science or Social Science Electives	5
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TOTAL CREDITS	91-92

Web Development

Certificate

TECHNICAL SPECIALTY COURSES

CIS 136 UNIX Operating System	5
CSC 142 Programming	5
CIS 244 Intro to Object-Oriented Programming: C++	5
- OR -	
CSC 143 Computer Programming II	5
ITC 110 Programming Concepts & Fundamentals	5
ITC 115 Intro to C++ Programming	5
ITC 134 Computer Operating Systems	5
ITC 140 Intro to Computer Hardware	5
ITC 216 Programming for the Web	5
ITC 220 Database Development for Programmers	5
ITC 280 Web Database	5
WEB 105 Working on a Web Team	2
WEB 110 Web Authoring I	4
WEB 120 Web Authoring II	4
WEB 150 Intro to Javascript	3
WEB 205 Web Career Strategies	2
WEB 210 Advanced Web Design	5
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TOTAL CREDITS	70

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

Completion of Certificate Requirements	70
BUS 240 Internet Law	5
ENG 101 Composition	5
HUM 105 Intercultural Communications	5
MAT 107 Math for Liberal Arts	5
- OR -	
MAT 116 Applications of Mathematics to Management, Life & the Social Sciences	5
ITC 285 Capstone Project	5
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TOTAL CREDITS	95

Wireless Communications

Wireless Telecommunications is a two-year AAS-T degree which prepares students for employment in the wireless communications industry. The 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 electromagnetics, GSM, RF modulation, signaling and network protocols, CDMA, as well as critical thinking, logic and problem solving (inductive/deductive/intuitive).

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

TECHNICAL SPECIALTY COURSES

EET 161 DC Principles of Electronics	5
EET 163 Solid State Electronics I.....	5
WCT 101 Intro to Wireless Systems	4
WCT 120 Information Systems	4
WCT 121 Engineering Electromagnetics I	5
WCT 122 Engineering Electromagnetics II	5
WCT 197 Work Experience	5
WCT 199 Seminar I, II, & III	4
WCT 225 Signaling	5
WCT 227 RF Modulation	4
WCT 230 Network Transport	4
WCT 231 Wireless Engineering	5
WCT 232 Air Interface Protocols	5

RELATED INSTRUCTION

BUS 101 Intro to Business	5
- OR -	
BUS 102 Business Organization & Management	3
CIS 290 Intro to UNIX	3
ENG 101 Composition	5
HUM 105 Intercultural Communication	5
MAT 116 Applications of Mathematics to Management, Life & the Social Sciences	5
MAT 117 Elements of Calculus	5
MIC 101 Intro to Microcomputer Applications	4

TOTAL CREDITS 90-92

INTERPRETER TRAINING PROGRAM

Allied Health, Business,
Languages & Cultures Division V/TTY (206) 344-4347
Also see Deaf Interpreter Training, page 148.

Seattle Central's Interpreter Training program is one of the state's few two-year (six-quarter) Associate of Applied Science-Transfer (A.A.S.-T.) degree programs in interpreting. 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 may 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 (A.A.S.)

TECHNICAL SPECIALTY COURSES

ASL 125 American Deaf Culture	5
ITP 115 Survey of Interpreting	3
ITP 119 Deaf-Blind Interpreting	4
ITP 145 Ethics of Interpreting	3
ITP 160 ASL to English, Interpretation I	4
ITP 161 English to ASL, Interpretation I	4
ITP 162 ASL to English, Interpretation II*	4
ITP 163 English to ASL, Interpretation II*	4
ITP 164 ASL to English, Interpretation III*	4
ITP 165 English to ASL, Interpretation III*	4
ITP 216 Interpreting Specialized Settings	3
ITP 217 Professional Entry Preparation	3
ITP 245 Applied Interpreting Experience I**	4
ITP 250 Applied Interpreting Experience II**	4
ITP 255 Applied Interpreting Experience III**	4

ITP 260 Interpreting IV*	4
ITP 261 Interpreting V*	4
ITP 262 Transliteration*	4
* Satisfactory performance (2.5 GPA) required in the previous interpreting class in order to continue in the program.	
** Satisfactory performance (2.5 GPA) required in the previous Applied Interpreting Experience class in order to continue in the program.	
RELATED INSTRUCTION	
ENG 101 Composition	5
HUM 105 Intercultural Communication	5
LAN 110 Comparative Linguistics: ASL & English	5
SPS 201 Survey of Hearing Impairment	5
Any 5-credit course meeting A.A. degree Math Requirement	5
OPTIONAL ELECTIVES	
ASL 120 Intro to Deaf Studies	5
DRA 112 ASL Theatre	5
DRA 120 Intro to Acting	5
TOTAL CREDITS	94

MARINE TECHNOLOGY

Seattle Maritime Academy (206) 782-2647
<http://www.seattlecentral.edu/maritime>

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.

Marine Engineering Technology. The Marine Engineering Technology program combines practical shipboard experience and required courses in engineering 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 sea component requires the student to go to sea once a week during the second and third quarters aboard the college's training vessels. The academic program is followed by a 60-day at-sea internship on a large commercial vessel.

SMA offers the Marine Engineering Technology curriculum as a 73-77-credit program. Students successfully completing this rigorous program will be awarded a certificate in Marine Engineering Technology from Seattle Central Community College. In addition, they will be eligible for a U.S. Merchant Mariners document endorsed with the following engine room (QMED) ratings: Electrician; Oiler; Pumpman; Refrigeration Engineer; and/or Junior Engineer. If the student's at-sea internship was on a vessel with steam propulsion, he/she will also be eligible for a "fireman/watertender" QMED rating. Furthermore, graduates receive eight months of sea service credit towards a license as Designated Duty Engineer of Steam or Motor Vessels of Not More Than 1,000 Horsepower. This sea service credit is two-thirds of the total required sea service for this license. The Marine Engineering Technology certificate program also qualifies each graduate for an STCW "ratings forming part of an engineering watch" endorsement. Students who elect to take the Survival Craft Course also satisfy the requirements for a Lifeboatman endorsement after obtaining three additional months of sea service.

Marine Deck Technology. The Marine Deck Technology program combines practical shipboard experience and courses in nautical science 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. The sea component requires the student to go to sea once a week during the second and third quarters aboard the college's training vessels. The academic program is followed by a 30-day at-sea internship on a large commercial vessel.

SMA offers the Marine Deck Technology curriculum as a 61-64-credit program. Students successfully completing this rigorous program will be awarded a certificate in Marine Deck Technology from Seattle Central Community College. Each graduate who successfully completes the program receives eight months of sea service credit towards a license as Master

of Inland Steam or Motor Vessels of Not More Than 100 Gross Tons, or eight months of sea service credit towards a license as Mate of Near Coastal Steam or Motor Vessels of Not More Than 200 Gross Tons. This sea service credit is two-thirds of the total required sea service for the license. Graduates also receive six months of sea service credit towards a license as Apprentice Mate (Steersman) of near coastal uninspected towing vessels. This sea service credit is one-third of the total required sea service for the license. By completing this program, the student also receives eight months of sea service credit towards an Able Seaman-Special endorsement or one-third of the required sea service credit for any other Able Seaman endorsement. Combining the eight months of sea service from the academic program with the two months of actual sea service on SMA's training vessels and the internship gives each graduate ten months of sea service towards AB-Special. By interning for three months instead of just one month, students without previous sea service will have the 12 months of sea service necessary for Able Seaman - Special. Graduates satisfy both the written and practical examination requirements for both the Able Seaman and the Lifeboatman endorsements. The Marine Deck Technology Certificate program also qualifies each graduate for an STCW "ratings forming part of a navigational watch" endorsement.

Marine Engineering Technology

Certificate

TECHNICAL SPECIALTY COURSES

MGO 101 Principles of Marine Mechanics	2
MGO 103 Survival Craft*	3
MGO 111 Seamanship	3
MGO 113 Marine Safety	3
MGO 127 Fundamentals of Marine Electricity	4
MGO 147 Marine Engineering Practicum	6
MGO 177 Adv. Engineering Practicum	6
MGO 200 At Sea Internship	4-5
MTS 212 Auxiliary Machinery & Ship Design	4
MTS 217 Marine Diesel Engine Maintenance & Oper.	4
MTS 221 Applied Marine Electricity	4
MTS 228 Marine Hydraulics	5
MTS 233 Marine Refrigeration	5
MTS 257 Advanced Marine Diesel Engines	4
MTS 263 Propulsion Systems	3
MTS 284 Shipboard Pollution Prevention	2
MTS 285 Marine Boilers	3
MTS 294 License Seminar	2

**Optional Credit*

RELATED INSTRUCTION

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

TOTAL CREDITS

73-77

Marine Deck Technology

Certificate

TECHNICAL SPECIALTY COURSES

MGO 101 Principles of Marine Mechanics	2
MGO 103 Survival Craft	3
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	6
MGO 137 Electronic Navigation	2
MGO 140 Nautical Rules of the Road	3
MGO 166 Navigation Practicum	6
MGO 200 At-Sea Internship	4-5
MTS 201 Naval Architecture	2
MTS 202 Stability	2
MTS 210 Marine Meteorology	2
MTS 223 Advanced Piloting & Navigation	3
MTS 284 Shipboard Pollution Prevention	2
MTS 294 License Seminar*	2

**Optional Course*

RELATED INSTRUCTION

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

TOTAL CREDITS

61-64

COMMUNITY SERVICE/INDUSTRY SUPPORT COURSES:

- Basic Electricity for Small Boats & Recreational Boaters
- Basic Seamanship & Deck Skills
- Celestial Navigation
- Coastal Navigation
- Electronic Navigation
- Marine Safety & Survival
- Vessel Handling
- Diesel Engine Maintenance & Operation

CERTIFICATION PREPARATORY COURSES:

- Lifeboatman
- Master 100 Ton
- Master 200/500/1600 Ton
- Mate 200/500/1600 Ton
- Refrigeration Technician (testing)
- Standard First Aid & CPR

NURSING DEGREE

Allied Health, Business,
 Languages & Cultures Division (206) 344-4347

The associate degree nursing program prepares men and women to become Associate Degree Registered Nurses. It is approved by the Washington State Nursing Care Quality Assurance Commission and accredited by the National League for Nursing Accrediting Commission. 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 Associate of Applied Science-Transfer (A.A.S.) degree and are eligible to take the National Council of State Boards of Nursing Examination to obtain a license as a Registered Nurse.

Students are accepted into the program on a first-come, first-served basis, after completion of the six prerequisite, non-nursing courses. Any required non-nursing course may be completed before entering the nursing program.

NOTE: This program is currently under revision, and prospective students should contact the division office for more information.

PREREQUISITES

ANP 213 Anatomy & Physiology I*	5
ANP 214 Anatomy & Physiology II*	5
BIO 280 Microbiology	5
CHE 101 Chemistry	5
<i>(or one year of high school chemistry in the last five years)</i>	
ENG 101 Composition	5
PSY 110 General Psychology	5
Eligibility for MAT 100 or MAT 107.	

* ANP 213 and ANP 214 MUST be taken within 5 years prior to entrance to the program.

NOTE: A 2.5 GPA is required in all nursing, science and related instruction courses in the program.

It is strongly suggested that students complete related instruction support courses prior to entrance to the program. If not, the courses must be completed in the quarter or sequence listed.

ADVANCED PLACEMENT

Students who have taken nursing education courses in another nursing program within the past three years and who meet the prerequisite and grade requirements may be considered for advanced placement. Applicants must submit a letter of intent and unofficial transcripts along with nursing course content descriptions a minimum of one quarter prior to the requested enrollment to the Nursing Program director. Applicants will be evaluated regarding the appropriate quarter for program admission. Following the evaluation advanced placement students will be accepted on a first-come, first-served, space-available basis. Contact the division office for additional information.

LPN-RN TRANSITION COURSE

Practical Nurses licensed in Washington State who have satisfied the prerequisites, first-year support courses and admission criteria may enter the LPN-RN Transition courses on a first come, first served basis. LPN-RN Transition students are accepted into the courses each summer. Upon successful completion of the summer transition courses, students are eligible to enter the second year of the nursing program in fall quarter. Call the division office for more information.

The Nursing program is part of the Seattle Health Care Education Institute of the Seattle Community Colleges. For more information, see www.seattlecolleges.com/healthcare

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

Note: The Curriculum is currently under revision. Please contact the division office for latest information.

TECHNICAL SPECIALTY COURSES

Prerequisites	30
NUR 100 Pharmacology for Nurses I	1
NUR 101 Nursing I: Fundamentals of Nursing	4
NUR 102 Nursing IIA: Medical/Surgical Nursing	2
NUR 103 Nursing III: 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 IIB: Psychosocial Nursing I	2
NUR 123 Pharmacology for Nurses II	1
NUR 135 Pharmacology for Nurses III	1
NUR 160 Pathophysiology I	1
NUR 161 Pathophysiology II	1
NUR 201 Nursing VI: Psychosocial Nursing II	2
NUR 204 Nursing IV: Obstetric Nursing	3
NUR 205 Nursing V: Pediatric Nursing	3
NUR 206 Nursing VII: Medical/Surgical Nursing	2
NUR 207 Nursing VIII: Medical/Surgical Nursing	3
NUR 211 Nursing Practice VI	3
NUR 214 Nursing Practice IV	3
- OR -	
NUR 215 Nursing Practice V	3
NUR 216 Nursing Practice VII	3
NUR 217 Nursing Practice VIII	5
NUR 219 OB/Peds Cross-Training: Assessments & Interventions	1
NUR 220 Nursing Leadership Seminar	1
NUR 230 Trends & Issues II	2
NUR 240 Pharmacology for Nurses IV	1
NUR 241 Pharmacology for Nurses V	1
NUR 260 Pathophysiology III	1
NUR 261 Pathophysiology IV	1
NUR 285 Gerontology for Nurses	1

RELATED INSTRUCTION	
ENG 102 Composition	5
NTR 150 Human Nutrition	5
PSY 206 Developmental Psychology	5
OPTIONAL	
AHE 150 HIV/AIDS Education	1
Computer Course	3
TOTAL CREDITS (BASIC ADN)	108

LPN/RN TRANSITION COURSES

The following courses are not part of the Nursing program. Licensed Practical Nurses meeting all pre-requirements and related admission criteria with a 2.5 or better are eligible for admission. Upon completion of the transition courses with a 2.5 or above students are eligible to enter the second year of the nursing program. Call the division office 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

OPTICIANRY, SCHOOL OF

School of Opticianry (206) 344-4321

Allied Health, Business,
Languages & Cultures Division (206) 344-434

This two-year program provides an Associate of Applied Science (A.A.S.) degree in dispensing opticianry and is nationally accredited by the Commission on Opticianry Accreditation (CoARC). 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 appurtenances 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 appurtenances 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; physiognomy 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.

*The Opticianry program is part of the Seattle Health Care Education Institute of the Seattle Community Colleges.
For more information, see www.seattlecolleges.com/healthcare*

PREREQUISITES

Eligibility for ENG 101 and MAT 110.

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

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	5
OPH 197 Work Experience: Opticianry	3
OPH 198 Work Experience: Opticianry	3
OPH 199 Work Experience: Opticianry	3
OPH 203 Contact Lens Technology II	5
OPH 204 Contact Lens Technology III	6
OPH 205 Contact Lens Technology IV	2
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	
AHE 165 Medical Terminology I	3
CMN 105 Perspectives on Communication	5
BUS 101 Intro to Business	5
- OR -	
BUS 185 Small Business Management	5
- OR -	
BUS 103 Personnel Management	3
PSY 110 General Psychology	5
- OR -	
PSY 206 Developmental Psychology	5
- OR -	
PSY 220 Psychology of Human Relations	3
ENG 101 Composition	5
MAT 110 Applied Math for Technicians	3
MIC 101 Intro to Microcomputer Applications	4
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TOTAL CREDITS	123-127

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

PARENT EDUCATION

Child and Family Education Division (206) 587-6906
Seattle Central Community College offers parent education programs during fall, winter and spring quarters. In addition to the on-campus Parent/Child Center classes for infants and toddlers, there are numerous off-campus parent-operated cooperatives in the Seattle area for preschool children and their parents.

On campus, parents and their children attend a weekly two-hour class which offers children the opportunity to learn and grow through music and song, art, physical activities and numerous hands-on play and exploration materials.

Parents increase their skills and knowledge by sharing their experiences and learning from each other, enabling parents to gain confidence in themselves and their abilities to set reasonable guidelines and expectations.

PHOTOGRAPHY - COMMERCIAL

Communications & Design Division (206) 587-3830
The Commercial Photography program provides comprehensive training for individuals seeking employment in both traditional and digital commercial photography. The program develops strong basic skills in black/white photography and color photography, large format camera techniques, contemporary lighting techniques, studio illustration, digital photography, and electronic imaging. Students learn quality lab procedures including black and white processing as well as digital output, manipulation and enhancement applications. Students gain experience with 4x5 digital backs, a digital service bureau, and our electronic darkroom of networked Mac G-4's equipped for large electronic image files.

Note: The Commercial Photography program curriculum is under revision. Contact the division office for current information.

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

TECHNICAL SPECIALTY COURSES

PHO 111 Basic Camera Techniques	3
PHO 112 Advanced Camera Techniques	3
PHO 121 Basic Science & Photo Lab Procedures I	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 II	4
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 II	3
PHO 245 Portraiture III	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 Publication	3
IMC 101 Design for the Visual Arts	3
MIC 101 Intro to Microcomputer Applications	4
SOC 120 Sociology of the Media	3
Electives	12

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

RESPIRATORY CARE

Allied Health, Business,
Languages & Cultures Division (206) 344-4347

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 direction of the physician, the respiratory care practitioner works with other health professionals to deliver effective health care.

The program offers an Associate of Applied Science (A.A.S.) degree and is fully accredited by the Committee on Accreditation for Respiratory Care (CoARC). 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 of Registered Therapist credentialing exams. Washington state licensure requires seven hours of HIV/AIDS education which is included in the curriculum content. New classes begin fall quarter only. For advanced placement consideration, contact the division office for specific requirements.

PREREQUISITE

Eligibility for ENG 101 and MAT 110 or MAT 114

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

TECHNICAL SPECIALTY COURSES

RCP 101 Respiratory Care Orientation	1
RCP 110 Intro to Respiratory Care	2
RCP 112 Applied Microbiology & Chemistry	2
RCP 114 Respiratory Care Fundamentals I	4
RCP 115 Pharmacology for Respiratory Care I	1
RCP 120 Clinical Practice I	4
RCP 123 Pathophysiology for Respiratory Care I	1
RCP 124 Respiratory Care Fundamentals II	5
RCP 125 Pharmacology for Respiratory Care II	1
RCP 130 Clinical Practice II	5
RCP 133 Pathophysiology for Respiratory Care II	1
RCP 134 Respiratory Care Fundamentals III	5
RCP 135 Pharmacology for Respiratory Care III	1
RCP 137 Cardiopulmonary Anatomy & Physiology	4
RCP 240 Clinical Practice III	4
RCP 241 Respiratory Care of Critically Ill Adults	2
RCP 243 Pathophysiology for Respiratory Care III	1
RCP 244 Respiratory Care Fundamentals IV	3
RCP 245 Pharmacology for Respiratory Care IV	1
RCP 250 Clinical Practice IV	6
RCP 251 Respiratory Care of Infants & Children	3
RCP 253 Pathophysiology for Respiratory Care IV	1
RCP 254 Respiratory Care Fundamentals V	3
RCP 260 Clinical Practice V	6
RCP 264 Respiratory Care Fundamentals VI	3
RCP 270 Clinical Practice VI	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 128 Survey of Human Anatomy & Physiology	5
ENG 101 Composition	5
ENG 102 Composition	5
PSY 110 General Psychology	5
- OR -	
PSY 206 Developmental Psychology	5

ELECTIVE

Select 5 credits from the Social Sciences/Humanities.

TOTAL CREDITS 111

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 and is linked to specific classes as either a requirement or an option. Course assignments and final grades are determined by the faculty of the linked course. The program works to link Service-Learning options to specific classes as either a requirement or an option. Service Learning is specifically integrated into certain courses and programs. Faculty determine course requirements and hours. Advantages of Service Learning include the opportunity to enhance understanding of course content, build experience for a résumé, explore career options, and earn college credit. Please contact the Service-Learning department for more information.

SOCIAL & HUMAN SERVICES

(206) 587-4164

The Social and Human Services 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.

Two options to the Social and Human Services degree are the Chemical Dependency Specialist certificate and the Child and Family Studies certificate or the SHS with an emphasis in Child and Family Services. For information on entrance requirements and additional coursework, contact the division office.

PREREQUISITE

Eligibility for ENG 101 and MAT 110 or MAT 114.

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

HUMAN SERVICES CORE

SHS 100	Intro to the Human Services	5
SHS 103	Survey of Institutions	5
SHS 106	Principles of Interviewing & Counseling	5
SHS 108	Group Dynamics & Counseling	5
SHS 197	Field Placement: Social & Human Services	3
SHS 198	Field Placement in Human Services	3
SHS 199	Field Placement in Human Services	4

HUMAN SERVICES SPECIALIZATIONS

Select 30 credits from the following classes:

SHS 150	HIV/AIDS Workshop	1
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SHS 200	Advanced Counseling Techniques	4
SHS 205	Crisis Management & Intervention	3
SHS 207	Behavior Management	3
SHS 210	Multicultural Counseling	3
SHS 215	Adolescent Development & Treatment	5
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 242	Mental Health Diagnosis in Chemical Dependency & Other Human Service Settings	5
SHS 245	Mental Health Overview	3
SHS 250	Client & Community Advocacy	4
SHS 255	Dual Diagnosis (MICA): Treatment Issues & Services	5
SHS 265	Management & Supervision	5
SHS 270	Law & Ethics in Chemical Dependency	3
SHS 275	Chemical Dependency & Domestic Violence	3
SHS 280	Chemical Dependency Case Management	3
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 applied towards degree.*

RELATED INSTRUCTION

ENG 101	Composition	5
ENG 102	Composition	5
PSY 110	General Psychology	5
SOC 110	Survey of Sociology	5
CMN 105	Perspectives on Communication	5
Social Science/Humanities Elective	5

TOTAL CREDITS 90

NOTE: 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 working with children and their families in a wide range of employment opportunities. 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: Social & Human Services	3

RELATED INSTRUCTION

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

CFS SPECIALIZATION AREA

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

CFS 110 Planning Age-Appropriate Activities & Environments for Young Children	3
CFS 120 Supporting Young Children's Physical & Intellectual Development	3
CFS 130 Guiding & Supporting Young Children's Social & Emotional Development	3
CFS 145 Activities that Foster Development During the School Age Years	3
CFS 155 Development During the Adolescent Years	3
CFS 180 Guiding Behavior & Social Development During the School Age & Adolescent Years	3
CFS 208 Planning Activities & Spaces for School-Age & Youth Programs	2
CFS 215 Science & Technology in School-Age & Youth Programs	2
CFS 223 Physical Development in School-Age & Youth Programs	2
CFS 225 Assessment/Programming	3
CFS 228 Childhood & Adolescent Sexuality & Educ.	3
CFS 245 Building Partnerships with Diverse Families	3
CFS 252 Violence Prevention & Community Development with Children, Youth & Families	3
CFS 263 Working with Children with Disabilities	3
CFS 270 Child & Family Health	3

CFS 280 Methods for Cultural Relevancy/Anti-Bias: Strategies for Children & Families	3
CFS 284 Literacy Development for Children & their Families	3
CFS 290 Budget & Finance	1-4
CFS 296 Personnel & Supervision	1-4
CFS 299 Seminars	1-5

TOTAL CREDITS 45

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

PREREQUISITES

Eligibility for ENG 101 and MAT 110 or MAT 114

Chemical Dependency Specialist

The Chemical Dependency Specialist 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.

PREREQUISITES

Eligibility for ENG 101 and MAT 110 or MAT 114.

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
- OR -	
SHS 215 Adolescent Development & Treatment*	5
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 Chemical Dependency 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)	5
- OR -	
PSY 207 Developmental Psychology (Adolescent)	5

TOTAL CREDITS	66-71
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NOTE: 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's degree or its academic equivalent in any area, and 2,500 clock hours of qualified internship are required.*

SURGICAL TECHNOLOGY

Allied Health, Business,
Languages & Cultures Division (206) 344-4347

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 room, operating room equipment and aseptic techniques, and is nationally accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). Students earn a certificate in Surgical Technology. 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 and must be completed in the designated quarter to proceed to the next quarter. Entry is during the fall quarter only. Seven hours of HIV/AIDS education is included in the program.

The Surgical Technology program is part of the Seattle Health Care Education Institute of the Seattle Community Colleges. For more information, see www.seattlecolleges.com/healthcare

PREREQUISITES

Eligibility for ENG 101 and MAT 110 or MAT 114.

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 128 Survey of Anatomy & Physiology	5
ENG 101 Composition	5

TOTAL CREDITS	60
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TECHNICAL COMMUNICATIONS

Communications & Design Division (206) 587-3830

The Technical Communications curriculum is a two-year, A.A.S.-T. degree program focusing on comprehensive language skills. The program prepares students to enter entry-level to mid-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 the 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-Transfer Degree (A.A.S.-T)

TECHNICAL SPECIALTY COURSES

TEC 110 General Editing	4
TEC 120 Principles of Developmental Editing	5
TEC 130 Style Guides & Visual Design	4
TEC 140 Mapping Information/Architecture	4
TEC 150 Specialization	4
TEC 197 Work-Based Learning	5
- OR -	
TEC 299 Independent Study	5
TEC 200 Senior Seminar I	5
TEC 220 Senior Seminar II	5
TEC 230 Technical Communications Seminar	4
TEC 294 Copy Editing/Writing I	5
TEC 295 Copy Editing/Writing II	5

RELATED INSTRUCTION

CIS 136 UNIX Operating System	5
- OR -	
CIS 142 C Programming	5
- OR -	
CIS 172 Visual Basic I	5
DES 251 Multimedia I	3
ENG 294 Copy Editing/Writing I	5
ENG 295 Copy Editing/Writing II	5
HUM 105 Intercultural Communications	5
MAT 107 Mathematics for Liberal Arts	5
MIC 104 Using Computers II	2
MIC 110 Program Design & Development in Visual Basic	4
PHI 120 Intro to Logic	5

SPECIALTY ELECTIVES

Select 14 special elective credits.

TOTAL CREDITS 91

Web Development & Design

See Information Technology, page 152.

Wireless Telecommunications

See Information Technology, page 153.

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 Certificate program are required to complete 13 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 the students learn the tools and techniques of the cabinetmaking trade.

WCO 110 Intro to Professional Woodworking	18
WCO 150 Basic layout, blueprints, cabinet construction, safe shop practices	18
WCO 150 Advanced layout, blueprints, machinery, hardware, laminates, machine safety	18
WCO 150 Advanced layout, blueprints, cabinet construction, machinery, hardware, laminates, on-the-job safety	18
WCO 150 Student optional projects w/permission of instructor	18
WCO 150 Selected class projects (Optional - Instructor approval required)	18

RELATED INSTRUCTION

ENG 105 Applied Communication	3
MAT 110 Applied Math for Technicians	3
MIC 103 Intro to Computers on the Macintosh	3
PSY 220 Psychology of Human Relations	3
WCO 120 Construction & Maritime First Aid	1

TOTAL CREDITS 103

TOTAL CREDITS

91

Carpentry

Certificate

The Carpentry 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. Students in the Carpentry program often build a house or a complete structure each school year.

WCO 110 Intro to Professional Woodworking	18
WCO 140 Concrete forms & footings, floor systems, safety on the job	18
WCO 140 General frame construction, roof framing, safe staging, working at heights	18
WCO 140 Finish work, setting windows & doors, machine safety	18
WCO 140 Selected class projects (Optional - Instructor permission required)	18

RELATED INSTRUCTION

ENG 105 Applied Communication	3
MAT 110 Applied Math for Technicians	3
MIC 103 Intro to Computers/Macintosh	3
PSY 220 Psychology of Human Relations	3
WCO 120 Construction & Maritime First Aid	1

TOTAL CREDITS 85

Wood Construction

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

The A.A.S. degree requires completion of certificate requirements for the Cabinetry and Carpentry programs (103 or 85 credits, as listed above) plus 17 credits of related instruction.

RELATED INSTRUCTION

MIC 203 Intro to CADD	3
WCO 160 Architectural Blueprint Reading & Cost Estimating for the Building Trades	3
WCO 164 Roof Framing & Stairbuilding	2
WCO 167 Fine Furniture Making I	4
WCO 197 Work Experience-Wood Construction	5-15
<i>or any ACC, BUS, CSC, HDC, MIC, MTS, OFO, TDR or liberal arts course.</i>	

TOTAL CREDITS 109-119

Marine Carpentry (Boatbuilding)

Certificate

The Marine Carpentry (Boatbuilding) 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.

WCO 110 Intro to Professional Woodworking	18
WCO 130 Lofting, layout, patterns, elements of design, basic joinery, safe shop practices, bevels, & the bandsaw	18
WCO 130 Fiberglass lay-up, safe shop practices w/fiberglass materials, personal safety, & fiberglass repair	18
WCO 130 Fiberglass fitting out, machine safety, fiberglass repair, spray gun use & maintenance	18
WCO 130 Wood boat construction, estimating & bidding, shop practices, safe use of equipment & compounds	18
WCO 130 Wood boat construction, fitting out, material selection, interior & exterior joinery	18

RELATED INSTRUCTION

ENG 105 Applied Communication	3
MAT 110 Applied Math for Technicians	3
PSY 220 Psychology of Human Relations	3
WCO 120 Construction & Maritime First Aid	1

TOTAL CREDITS 118

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

Completion of Certificate Requirements 118

The A.A.S. degree requires completion of certificate requirements for the Marine Carpentry program (118 credits), plus 20 credits of related instruction.

MIC 203 Intro to CADD	5
MIC 204 CADD II	5
WCO 160 Architectural Blueprint Reading	4
WCO 164 Roof Framing & Stairbuilding	2
WCO 197 Work Experience	3
Any ACC, BUS, CSC, HDC, ITC, MIC, MTS, NET or liberal arts course	5

TOTAL CREDITS 138

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. Students earn academic credit 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.

Co-op provides students with an 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.

ADS 197 Apparel Design	2-5
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
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 Film & Video	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	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
ITL 197 International Cooperative Education	5
ITL 198 International Cooperative Education	5
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
TEC 197 Technical Communications	5
WCO 197 Wood Construction	2-15
WCT 197 Wireless Telecommunications	2-8

Faculty & Administration

OFFICE OF THE PRESIDENT

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B.A., Teaching Certificate, University of Washington.

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

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

BYSTROM, VALERIE A.
English
B.A., M.A., Ph.D., University of Washington.

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

CARDENAS, JAIME
History
B.A., University of California at San Diego, La Jolla; M.A., Ph.D., University of California at Los Angeles.

CASEY, SUSAN
English
B.A., Florida State University; M.A., University of Colorado.

CAUTER, 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
Library
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
Mathematics
B.A., Whitman College; B.A., M.S., University of Washington.

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

CIOFFI, SANDY,
Film and Video Communications
B.A., Colgate University; Professional Technical Teaching Certificate.

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

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

CLARK, RICHARD
English
B.A., Portland State University; MFA, University of Washington.

CLAYTON, GARY
School of Opticianry
Master of Ophthalmic Optics; American Board of Opticianry, Certified Optician; B.S., City University; Professional Technical Teaching Certificate.

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

COLE, S. ALLIS
ESL
B.A., M.A., Southern Oregon State College.

COLLINS, MINNIE
English
B.A., Virginia Union University; M.A., George Washington University.

COMIDY, COLLEEN
ESL
B.A., University of Washington; M.A., New York University.

- CONGER, STEVE
Information Technology
B.A., Gonzaga University; M.A., University of Idaho; Professional Technical Teaching Certificate.
- CONLEY, CHRIS
ESL
B.A., Moorehead State University; TESOL, M.A.T., School for International Training.
- COOKE, ROLAND
Information Technology
B.S., Northwest Nazarene College; M.S., University of Idaho; Professional Technical Teaching Certificate.
- COSTA, CRAIG
ABE
B.A., Whitworth College.
- CROON, PAUL
English
B.A., University of Washington; M.A., University of Illinois.
- CUIZON, DAPHNE
ESL
B.A., University of Washington; M.A., Monterey Institute of International Studies.
- DAVIDSON, FRAN
Child and Family Studies
B.S., University of British Columbia; M.A., Pacific Oaks College.
- DAVIS, THOMAS
Institute of English
B.A., University of California at Los Angeles; M.A.T., University of Washington.
- DELA CRUZ, ROCHELLE
ESL
B.A., University of Washington; M.A., University of Hawaii; Diplome Superieur, Université De Paris.
- DELA ROSA, MICHELE J.
Counselor, Mathematics and Science
B.A., Seattle University; M.A., University of Guam.
- DILLARD, DIANA
Hospitality/Culinary Arts
A.O.S., Culinary Institute of America; Food & Management Sanitation Certificate; Seattle Wine School Certificate; Professional Technical Teaching Certificate.
- DILLARD, TOM
Hospitality/Culinary Arts
A.O.S., Culinary Institute of America; B.A., Florida International University.
- DO WONG, CAM
Child and Family Studies
B.A., Western Washington University, Professional Technical Teaching Certificate.
- DODSON, LYNNE
Psychology
B.A., M.S., California State University at Long Beach; Ph.D., University of Washington.
- DUNN-MARSH, MICHELLE
Graphic Design and Illustration
B.A., Bard College; M.S., Pace College; Professional Technical Teaching Certificate.
- 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.
- ESCUADERO-SHAFER, PAULINE
English
B.A., M.A., University of Washington.
- FIELDEN, FRANCES R.
Counselor
N.C.C., B.A., M.A., Wayne State University; M.Ed., University of Washington.
- GALAROSA, ANNIE
Counselor, Social Welfare
B.A., University of Washington; M.Ed., Western Washington University.
- GARMENDIA, TATIANA
Art
B.F.A., Florida International University; M.F.A., Pratt Institute of Art.
- GEORGE, JACQUELINE
ESL
B.A., Central College; M.A., Washington State University.
- GIDAY, TAARE
Geography
Diploma Education, Haile Sellassie University, Ethiopia; M.S., Sofia University, Bulgaria; M.S., Oregon State University.
- GIETZ, MERILEE
American Sign Language
B.A., Gallaudet University; M.A., Western Maryland College.
- GOGLIA, FRED
Respiratory Care
B.S., University of Missouri; Professional Technical Teaching Certificate.
- GONG, DANIEL
Biology, Computer Science
B.A., University of California at Berkeley; M.S., University of Washington.
- GOSDEN, SHARON
Associate Degree Nursing
B.S., Wheaton College; M.S.N., University of California at San Francisco Medical Center; Professional Technical Teaching Certificate.
- GROESCHELL, ROBERT
Social and Human Services
B.A., University of Washington; M.P.A., Seattle University; Professional Technical Teaching Certificate.
- HABERSHAN, ROBERT E.
Astronomy, Physics
B.S., Gonzaga University; M.S., University of Washington.
- HAMMIE, ARNOLD
Counselor
B.A., Linfield College; M.Ed., University of Washington.
- HAMMOND, LAURA
Associate Degree Nursing
B.S.N., St. Olaf College; M.N., University of Florida. Professional Technical Teaching Certificate.
- HARDY, KRISTINE
Institute of English
B.A., California State University at San Bernardino; M.A.T., University of Washington.
- HARMS, WILLIAM
Philosophy
B.A., University of California, Santa Cruz; M.A., Ph.D., University of California at Los Angeles.
- HARVEY, JOHN B.
Cabinetmaking
Occupation Education Certificate, South Seattle Community College; Professional Technical Teaching Certificate.
- HIERHOLZER, LINDA
Hospitality/Culinary Arts
A.O.S., The Culinary Institute of America; Professional Technical Teaching Certificate.
- HIKIDA, ALLEN
English
B.A., M.A., University of Washington.

HINCKLEY, GREGORY
Sociology
B.A., M.S., Brigham Young University.

HOFFMAN, ERICH
Business Information Technology
B.A., Houghton College; M.A., University of Southern California.

HORTON, MARCIA
Philosophy
B.A., Seattle Pacific University; M.A., University of Washington.

HUBERT, JAMES
Economics
B.A., M.A., University of Washington.

HULL, JOSEPH
Geology
B.S., University of Washington; M.A., Harvard University; Ph.D., University of Rochester.

IMANAKA, CYNTHIA CHAN
Sociology
B.A., University of California at Berkeley; M.A., University of Washington.

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

JOHN, ANNIE C.
ABE
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.

JONES, I. RANDY
Carpentry
B.S., East Tennessee State University.

KANNE, LYNN
Library
B.A., University of California at Santa Cruz; M.L.S., University of Washington.

KAPUR, VIJAY
Political Science
B.A., M.B.A., University of Delhi, India; Ph.D., University of South Carolina.

KAPUR, VIKRAM
Humanities
B.A., Armstrong Atlantic State University; M.M.C., University of Georgia.

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

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

KAYNE-BABCOCK, JUDITH
ESL
B.A., Stony Brook University; M.S., Dowling College.

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

KHILE, DONALD
Cabinetmaking
Professional Technical Teaching Certificate.

KIRK, BRIAN
Music
B.A., California State University at Hayward; M.A., New York University.

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

KOALA, BERTIN
Information Technology
B.S., M.S., University of Washington; Professional Technical Teaching Certificate.

KOVAL-HUENUQUEO, RENEE
ESL
B.A., M.A.T., University of Washington.

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

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
ABE
B.S., Penn State University; M.A., Boston University.

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

LEGTTERS, MATTHEW
Biology
B.A., University of Washington; M.S., Bastyr University.

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

LEUNG, ELLEN
ESL
B.A., University of Hawaii; M.A., M.A.T., University of Washington.

LEVINE, ANN
ESL
B.A., Indiana University; M.A., Arizona State University; MATESOL, and Teaching Certificate, Seattle Pacific University.

LIVINGSTON, CARL L.
Political Science
B.A., Oral Roberts University; J.D., University of Notre Dame.

LONAY, JOANNE
French
B.A., Whitman College; M.A., University of Washington.

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

LYLES, MARIAN
Communications
B.A., Alaska Pacific University; M.Ed., University of Alaska at Fairbanks.

MALODY, CHARLES W.
English
B.A., University of Washington; M.A., California State University at Sacramento.

MATHAY, GEOFF
American Sign Language, Linguistics
B.A., University of Washington; M.A., New York University.

MAXWELL, DAVID
Business Administration/Accounting
B.A., University of Washington.

MCCALLUM, ROBERT
Respiratory Care
Certificate, California Paramedical and Technical College; B.S., University of Washington; Professional Technical Teaching Certificate.

MCCORMICK, LISA
ESL
B.A., Pacific Lutheran University; ESL Certificate, Seattle University.

MCKIVOR, JUNE
English
B.A., M.A., University of Washington.

- MCRAE, KIMBERLY
Counselor
B.A., Alabama State University; M.Ed., City University.
- MESLER, DAVID
Music
B.F.A., M.F.A., University of Southern California.
- MESTEMACHER, FRANK
Carpentry
B.A., M.F.A., San Jose State University.
- MICHAELSEN, KAREN L.
Library
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.
- MILNE, ROBERT
Commercial Photography
B.A., Loyola College; Professional Technical Teaching Certificate.
- MIYATA, KEIJIRO
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; Professional Technical Teaching Certificate.
- MOH, YUN
Computer/Microcomputer Management
A.S., LaGuardia Community College; B.A., Cornell University; Professional Technical Teaching Certificate.
- MOHEB, PARVIZ
ESL
Mash-had University, Iran; M.A., University of Leeds, U.K./Tehran University (Joint Project).
- MOISE, DAVID M.
Graphic Imaging & Printing Technology
A.A., Laney College, Oakland; B.A., California State University; M.A., University of California; Professional 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., Gallaudet University.
- MUHICH, JANE
Mathematics
B.S., University of California at Los Angeles.
- MULLENS, DAVID
Marine Carpentry
A.A.S., Seattle Central Community College; B.S., City University; Professional Technical Teaching Certificate; O.T.E., South Seattle Community College.
- MUNCH, DAVID
Chemistry
B.S., Portland State University; Ph.D., University of Washington.
- MURRAY, MACK
Political Science
B.A., J.D., University of Washington.
- MURRAY, RICHARD
Mathematics
B.S., University of Massachusetts; M.S., New York University.
- NAEEMI, 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 Technical Teaching Certificate.
- NATOLI, ROBERT
Microcomputer Management
B.A., Seattle University; M.A., Simon Fraser University; Professional Technical Teaching Certificate.
- NAZARIAN, HAJI
Microcomputer Management
B.S., M.Ed., University of Washington; Professional Technical Teaching Certificate.
- NELSON, A. WADIYAH
Counselor
A.A.S., Community College of Philadelphia; B.A., M.Ed., Temple University.
- NGUYEN, QUYNH X.
ESL
B.A., Saigon University; M.A., Syracuse University.
- NISHI, JEAN
ESL
B.A., University of Washington.
- NORTON, DANIEL
Communication
B.S., Illinois State University; M.A., Eastern Illinois University.
- OAKLEY, NADA
English
B.A., M.A., Washington State University.
- O'NEILL, MICHAEL P.
Accounting
B.A., University of Washington; M.B.A., Pacific Lutheran University; C.P.A.
- ORZEL, DOROTHY
Apparel Design Services
B.A., State University of New York; Professional Technical Teaching Certificate.
- PALAZZO, MARLENE
Business Information Technology
A.A.S., South Seattle Community College; B.A., Eastern Washington University; M.B.A., California Coast University; Professional Technical Teaching Certificate.
- PARKER, MARGARET
Graphic Design & Illustration
B.Ed., Seattle University; Certificate, San Francisco Art Institute; Professional Technical Teaching Certificate.
- PENDERGRASS, MARCELLA M. ABE
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; Professional Technical Teaching Certificate.
- PETTIFORD-WATES, TAWNIA
Drama
B.F.A., Carnegie-Mellon University; M.F.A., Ph.D., Union Institute.
- POUPORE, EILEEN
Associate Degree Nursing
A.D.N., Columbia Basin Community College; B.S.N., M.S.N., Post-Master's Primary Care Nurse Practitioner, University of Washington; Professional Technical Teaching Certificate.
- QUINN, MICHELE
ESL
B.A., Seattle University.

- QUINTANA, VIOLETA
Spanish
A.A., Kirkwood Community College; B.A., M.A., University of Iowa.
- QUINTERO, DAVID
Spanish
B.A., 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.
- RIGHI, BOBBY
Mathematics
B.S., Lamar State University; M.A., Purdue University.
- ROBERTS, JOHN W.
ESL
B.S., M.A.T., University of Washington.
- ROBERTSON, REBECCA
Spanish
A.A., Tacoma Community College; B.A., M.A., University of Washington.
- ROCKHILL, WENDY
Biology
B.S., M.S., Washington State University.
- RODMAN, KIM
ESL
B.A., University of Malaya, Malaysia; M.Ed., University of Washington.
- ROMBOUTS, ERNESTINE
Social and Human Services
B.S.W., University of Washington; M.S.W., University of Denver; Professional Technical Teaching Certificate.
- RUTHERFORD, KAY
Communications
B.A., M.A., Washington State University.
- SALDIN, JOSEFINA A.
ESL
B.A., University of St. Thomas; M.A., Dela Salle University.
- SALVERDA, MARC
Graphic Design & Illustration
B.A., Washington State University; Professional Technical Teaching Certificate.
- SANSTAD, GORDON
Marine Carpentry
Professional Technical Teaching Certificate; Occupation Education Certificate, South Seattle Community College.
- SASAKI, YUKA
Music
B.A., Toho Gakuen, Tokyo, Japan; M.M., Ph.D., University of Washington.
- SCHMIDT, VIRGINIA H.
ESL
B.A., University of Washington.
- SCHROEDER, SANDRA
English
B.A., University of Kansas; M.A., University of Washington.
- SCHWARTZ, KRAIG
History
B.S., University of Wisconsin, Whitewater; M.A., Pennsylvania State University; Ph.D., University of Maine.
- SEREQUEBERHAN, MIRIAM
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
Library
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 Technical Teaching Certificate.
- SILVERMAN, LAWRENCE R.
English
B.A., M.Ed., University of Washington.
- SIMMONS, A. YVONNE
Counselor
B.A., California State College at Stanislaus; M.A., University of San Francisco.
- SISON, VERNA
ESL
B.A., University of San Carlos (Philippines); M.A., Seattle University.
- SITTERLEY, MARY
Associate Degree Nursing
R.N., St. Joseph's School for Nursing; B.A., Arizona State University; M.Ed., M.N., University of Washington; Professional Technical Teaching Certificate.
- SKIDMORE, ALEXANDREA
Institute of English
B.A., M.A., Seattle University.
- SMITH, BRIAN
Counselor
B.A., M.Ed., Ph.D., University of Washington.
- SOLOWAN, DOUGLAS
Mathematics
B.A., Central Washington State College; B.A., M.A., Ph.D., University of Washington.
- SOULÉ, MARY ANN
Counselor
B.A., Webster College; M.S., University of Southern California.
- SOUMA, ALFRED
Counselor, Special Education
B.S., Fitchburg State College; M.A., University of Northern Colorado.
- SPAIN, ANTHONY
Music
B.A., University of Northern Colorado; M.A., Colorado State University; Ph.D., University of Washington.
- SPARKS, GRACE
Biology
B.S., Allegheny College; Ph.D., University of Washington.
- STACY, LIAM
Biology
B.A., University of Chicago; M.S., University of Oregon.
- SPENCE-WILCOX, SHARON G.
Library
B.A., Barry University; M.L.S., University of Washington.
- ST. VIL, CAPRI
Communications
B.F.A., M.A., New York University.
- STRICKLAND, KAREN
Social & Human Services
B.A., California State University at Long Beach; M.S., California State University at Fullerton; Professional Technical Teaching Certificate.
- SUN, YILIN
ESL
B.A., Central China Normal University; M.A., Ph.D., University of Toronto.
- SWISSHELM, JOHN
Mathematics
B.S., Ohio State University; M.S., Cleveland State University.

- TANZI, RON
Fine Arts
B.F.A., University of Washington, M.F.A., University of Cincinnati.
- TAYLOR, MICHAEL
Microcomputer Management
B.S., Arizona State University; M.Ed., Seattle University; Professional Technical Teaching Certificate.
- TENNYSON, BILL
Business Administration
B.A., University of Washington; M.S., University of Oregon.
- TESDELL, REBECCA
ESL
B.A., University of Washington; M.A.T., School for International Training.
- TICE-DEERING, BEVERLY
ESL
B.A., Knox College; M.A., M.S., Indiana University.
- 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.
- TOMAS-HAMMOND, ALEJANDRO
Commercial Photography
B.A., Brooks Institute of Photography; Professional Technical Teaching Certificate.
- TONACCHIO, SAL
Film and Video Communications
B.F.A., City College/CUNY; M.S., Brooklyn College/CUNY; Professional Technical Teaching Certificate.
- TREAT, JAMIE
ESL
B.A., Tufts University.
- TRIPP, SHARON
The School of Opticianry
Certified Optician; A.A.S., Seattle Central Community College; Professional Technical Teaching Certificate.
- TROTTIER, EVELYN
ESL
B.A., University of Malaya (Malaysia); M.A., University of Washington.
- TROXCLAIR, MADELYN
English
B.A., Louisiana State, Baton Rouge; M.A., Western Washington University; Ph.D., University of Washington.
- 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. A.B.S., Bastyr University.
- VERKUILEN, MARTI
Counselor, Vocational Rehabilitation
B.S., University of Wisconsin-Stout; M.S., Western Oregon University.
- VINCENT, CLYDE
American Sign Language, Deaf Studies
B.A., Gallaudet University; M.S., Western 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.
- WEST, BEVERLEY L.
ESL
B.A., University of Nevada; M.A., San Francisco State University.
- WESTON, NATHANIEL P.
History
B.A., Hampshire College; M.A., University of Louisiana at Lafayette.
- WHITHAM, KATHREN
English
B.A., M.A., Western Washington University.
- WICK, DOUGLAS
Chemistry
A.B., Harvard University; Ph.D., University of Rochester.
- WILLIAMS, BETTY
Child and Family Studies
B.A., Vanderbilt University; M.S.W., University of Washington; Professional Technical Teaching Certificate.
- WILSON, CYNTHIA
Hospitality/Culinary Arts
B.S., Oregon State University; M.S., University of Washington; Registered Dietician.
- WILSON, KIT
Associate Degree Nursing
A.S., Mission College; B.S., San Francisco State University; M.S.N., University of New England; Professional Technical Teaching Certificate.
- WILSON, NAT
American Sign Language, Theater
B.A., Gallaudet University
- WOODMANSEE, ANN
Institute of English
B.A., University of California at Berkeley; M.A., San Francisco State University.
- WOODS, STEPHEN
English
B.A., Metropolitan College, Denver; M.A., Western Washington University; Ph.D., University of Washington.
- WRIGHT, GERARD
Mathematics
B.A., Gonzaga University; M.A., University of Washington.
- WYMAN, JEB
English, Journalism
B.A., University of Wisconsin; M.A., Western Washington University.
- YASUDA, LAUREN
Biology, Biochemistry, Biotechnology
B.S., University of California at Los Angeles; Ph.D., University of Washington.
- YOSHIDA, KAORI
English and Japanese
B.A., Hokusei Gakuen University, Japan; Teaching Japanese as a Second Language Certificate; Washington state Teaching Certificate.
- YOUNG, EVAN KENT
ESL
B.A., The Evergreen State College; Teaching Certificate, 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.
- ZERETZKE, DALE E.
Counselor
Journeyman Certificate, Skagit Valley Community College; B.A., M.Ed., Western Washington University.
- ZOUARI, JAWED
Humanities, Social Sciences
B.A., Portland State University; M.A., University of Washington.