



Welcome

Seattle Central overlooks downtown Seattle from Capitol Hill, one of the liveliest neighborhoods in the city.

Since it was established as the city's first community college in 1966, Seattle Central has served the higher education and training needs of more than 500,000 students.

The college was honored by Time Magazine as a 2001-2002 "College of the Year" in recognition of its innovative student services and academic programs, and for its nationally renowned Coordinated Studies Program, which involves a multi-disciplinary team of faculty teaching around a central theme of inquiry. For those interested in obtaining a bachelor's degree, Seattle Central is the place to start. In fact, after transferring to the University of Washington, our graduates achieve as high or higher grades than students who began there as freshman.

Seattle Central also offers hands-on training in over 30 Professional / Technical Programs in workforce education, in high-demand fields such as Biotechnology, Commercial Photography, Dental Hygiene, Graphic Design and Illustration, Information Technology and many more.

It's not all study on campus. The Student Activity Center draws students with its gym, weight rooms and a wide array of fitness classes and intramural sports. There are over 40 student clubs and organizations on campus. In addition, the Fine Arts Center and Erickson Theatre Off Broadway benefit students and the city's arts scene.

Medred W. Allie

President, Seattle Central Community College



GETTING STARTED at Central

Admissions	(206) 587-5450
International Students	(206) 587-3893
Financial Aid	(206) 587-3844
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.



FACTS at a Glance*

Annual attendance 2004-2005 17,495

FALL 2005 PROFILES

Students**

Median age	26.0
Ethnic diversity	49%
Male / female	42% / 58%
With bachelor or higher degrees	13%
Employed	64%
full-time	31%
With dependents	23%
single parents	8%
Full-time / part-time attendance	43% / 57%

Programs

College Transfer	43%
Professional / Technical	30%
Basic Skills	12%
Continuing Education & Other	15%

Courses

State-funded	89%
Contract-supported	3%
Student-supported	8%

Special Enrollments

Distance Learning	2,733
Running Start	629
International Contract	722
Worker Retraining	412

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

Specialized TRAINING CENTERS

Seattle Maritime Academy

4455 Shilshole Ave NW, Seattle, WA 98107
(206) 782-2647

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
(206) 587-5460

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 a certificate. The Center also offers evening community education classes at a variety of skill levels.

Academic & Student SUPPORT SERVICES

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 up-to-date academic information before and during registration by assisting them in selecting courses that meet their individual academic goals as well as the requirements for two-year degrees and /or transferring to a four-year institution.

CAREER Services

Career Information Center

(206) 344-4383

The Career Information Center provides career exploration assessments, college program information, college major's relationship to careers, mentorship opportunities, LSAT preparation software, and books and publications on a wide variety of careers. In addition, the center coordinates and delivers career-related presentations in classrooms and the community and offers scholarship/grant information, applications and assistance.

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; an 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 is available to all registered Seattle Central students with a special understanding of 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 college catalogs, transfer guides, applications, and information on majors for local and national four-year schools. It has Internet access to universities and colleges nationwide.

Center staff is available to answer questions and provide support throughout the transfer process. Each

quarter, the center offers transfer planning workshops on topics such as "Choose Your Major," "Prepare Your Application," and "Write Your Personal Statement."

Students are encouraged to take charge of their education and become experts in their own transfer planning.

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.

COUNSELING Services

Student Development

(206) 587-3851

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

DISABILITY Support Services

(206) 587-4183 v/tty

Seattle Central provides support services to help students with disabilities meet their educational needs. Students are expected to take an assertive role in talking with faculty and staff members about their disability, adaptation and accommodation needs.

Support services include advocacy, audiological referral services, counseling, interpreters, notetakers, readers, special testing accommodation and consultation with faculty. Priority registration is available to qualified students who are unable due to their disability to register on their regularly appointed date. Physical disabilities such as blindness, deafness and wheelchair use can qualify for this accommodation. Persons with disabilities should contact this office prior to registration, present certified documentation and meet with a counselor.

This office has two counselors: one focusing on disabilities, and the other working with Deaf students. Please request services in advance: 3-4 weeks for interpreters and 6 weeks for Braille or books on tape. Adaptive equipment for students with special needs is available upon request from this office.

DISTANCE Learning

See page 55 for Distance Learning at Central and page 16 for detailed information on district-wide options.

FINANCIAL AID

See page 27 for information about Financial Aid.

INTERNATIONAL EDUCATION Student Services

(206) 587-3893

This student services office can help international students get started in their educational program and adjust to the Seattle area. It offers advising, counseling, activities and additional resources.

See page 22 for additional information about International Programs.

LIBRARY

(206) 587-4050

The library offers a wide range of information resources and services. Resources include collections of books, periodicals, online databases, audiovisual media, and access to the Internet. Study rooms, photocopiers, media equipment, research stations, and open lab computers are also available. Librarians provide reference services for those seeking individual research help and instruction for classes with assignments. Seattle Central students have access to library collections from all three campuses, as well as materials from other regional libraries through inter-library loan. Visit www.dept.sccd.ctc.edu/cclb/.

MEDIA SERVICES

(206) 587-4053

Media Services provides audio and visual resources and equipment to support classroom instruction and independent research. Resources include DVDs, CDs, videotapes, slides, video cameras and monitors, along with audiovisual duplication services.

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), or call (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.

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.

Student ACADEMIC ASSISTANCE Department

(206) 587-3852

The Student Academic Assistance Department, a federally funded TRIO Program, promotes the success of low-income, first-generation, and disabled college students. It provides support services which include personal, academic and career counseling; transfer advising; visits to universities and colleges; personal growth and study skills workshops; and tutoring services.

TESTING Office

GED (206) 587-6915
Office Information (206) 587-6344

The Testing Office 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" at www.seattlecentral.edu/testing/.

TUTORING Services

College-wide Tutoring

(206) 587-5463 or 587-3852

The college-wide tutoring service provides individual and group tutoring. In addition, a wide range of workshops to improve study skills is available.

VETERANS Affairs

(206) 587-4147

This office provides Veterans' Affairs services and guidance.

See page 28 for financial assistance information.

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. Students can access program information at 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 EM-POWER, 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

See page 54 for Central's program and page 24 for district-wide information.

WORKFIRST Services

(206) 587-3854

WorkFirst Services, which is coordinated by Women's Programs, primarily assists 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. Services include tuition assistance for low-income parents and WorkFirst work study. 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.

Student LIFE

ART Gallery

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.

Hours: 9:30 a.m. to 3:30 p.m., Monday through Friday
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 available 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 and 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 each quarter. Call for registration dates.

COPY Center

(206) 587-5419

Copying is done by Copy Center staff or 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.

FOOD Services

(206) 344-4319

The Atrium Cafeteria 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 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 over 75,000 cups of java of every description each year to the campus community.

During the instructional quarter, students from the Culinary Arts program prepare and serve a variety of specialty menu meals in the Square One and One World restaurants. These are open to the public.

HOUSING

(206) 587-6924

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

RECREATION & Fitness

Student Activity Center

(206) 587- 6315 Recreation Information Line

Much equipment and many fitness and recreational activities are housed in the three-level building complex directly east of the main campus, including a 88,000 sq. ft. fitness center, locker rooms with saunas, indoor running track, weight room, indoor squash and racquetball courts, and a basketball 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. Community membership is also available. Visit www.seattlecentral.edu/sac/.

SAFETY

(206) 587-5442 Campus Security

For all on-campus security issues, call or stop by room BE 1131. For serious emergencies, dial 9-911. The students' well-being and safety are of utmost importance. It is vital 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.

See page 38 for additional information on personal safety.

Student ATHLETICS

(206) 527-3745 (Men's) & (206) 527-3773 (Women's)

The intercollegiate men's and women's basketball teams, the Seattle Community Colleges Storm, are based at North's Wellness Center. These teams compete in the 33-member Northwest Athletic Association of Community Colleges conference. Students from all three Seattle Community Colleges are eligible to try out for the teams. Athletic scholarships are available to qualified students. Visit www.northseattle.edu/services/athletics.

Student INSURANCE

For information on Student Health Insurance, contact the Student Leadership Office at (206) 587-6924. International students should contact the International Programs Office.

For information on Student Accident Insurance, see page 32.

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 student 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 promoting social and cultural understanding.

Leadership Institute

(206) 587-3890

The Leadership Institute, designed for leaders but open to all, features discussions with campus and community leaders and skill-building workshops. Meetings are Tuesdays at 1:30 in the Leadership Conference Room.

Student Council

The official student government, responsible for representing students' interests to the college administration, has 12 members selected competitively 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 added 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.

TRANSPORTATION & PARKING**Metro Bus Service**

Seattle Central Transportation Services, Room BE1112
(206) 587-6932

Due to limited parking and environmental concerns, car-pooling and bus transportation are strongly encouraged. The college is well-served by the Metro bus system.

Students registered for 10 or more credits 1) are eligible to purchase a "Go Pass" (a reduced price Metro pass) at the Cashier's Office or 2) if using Community Transit, Pierce Transit or the State Ferry systems, are eligible for a quarterly subsidy.

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 tuition to buy a permit.

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. Contact the Wellness Center for resources, information, and referrals for both on and off-campus services. This is a not a medical office; however, resources for affordable clinics can be accessed both daytime and evenings. Visit www.seattlecentral.edu/wellness.

AFFILIATE Organizations**Seattle Central Alumni Association****(206) 587-5491**

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) 587-5491**

The Seattle Central Community College Foundation's primary focus is helping the college ensure its students receive the educational access and opportunities they need to succeed. The Foundation's staff and volunteer Board of Directors actively seek funding to support essential college programs and activities not funded by state or federal monies. The Board also 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.

8 Educational Directions

- 1 Academics **College Transfer**
- 2 **Adult Basic Education** ESL
- 3 Careers **Professional/Technical**
- 4 **Continuing** Education
- 5 **Distance** Learning
- 6 **High School** Programs GED
- 7 **International** Programs
- 8 **Worker** Retraining

DEFINITION AND RATIONALE of General Education

See page 4.

GENERAL EDUCATION Learning Outcomes

INTRA-PERSONAL LEARNING

- Lifelong learning
- Self-esteem
- Self-reflection
- Self-responsibility

APPRECIATION AND EXPRESSION THROUGH

- Art
- Dance
- Drama
- Literature
- Music

SOCIAL BEHAVIOR

- Social interaction
- Social responsibility

SKILL DEVELOPMENT

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

KNOWLEDGE OF IDEAS AND ISSUES SHAPING HUMAN HISTORY

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

ASSOCIATE OF SCIENCE DEGREE Learning Outcomes

The Seattle Central Community College student completing the A.S. degree should:

- Have college-level knowledge and skills in critical thinking, quantitative analysis, and written composition.
- Have college-level mastery of information literacy and be technologically literate.
- Demonstrate effective oral and written communication, teamwork and collaboration in scientific, mathematical and other settings.
- Have the ability to design and conduct experiments, as well as to analyze and interpret data.
- Understand methods of inquiry specific to traditional and contemporary areas of knowledge in mathematics and the natural and physical sciences.
- Understand the interdisciplinary and multicultural nature of knowledge.
- Demonstrate academic honesty and ethical behavior.
- Be able to appreciate and apply their knowledge of science in the outside world.

1 | ACADEMICS

College Transfer at Central

ACADEMIC PROGRAMS

(206) 587-5469

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 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.

College transfer courses are offered in several disciplines, including:

These fields of study are grouped among three Areas of

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

Knowledge and are included throughout the A.A. degree curriculum.

See pages 8-10 for more information on A.A. and A.S. degree requirements.

ASSOCIATE OF SCIENCE Transfer Degree

See page 8 for information.

ASSOCIATE OF SCIENCE DEGREE (A.S.)

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

Associate of Arts EDUCATION Emphasis

K-8 Education Pre-Major

Teacher Training/Education Programs
www.teachertrainingprogram.com
 (206) 587-3895

The program is designed for students transferring to a four-year university to pursue a professional teaching degree. The A.A. program is designed to simultaneously fulfill prerequisite courses needed for B.A. in Elementary Education (K-8) programs in Washington state. The program provides a foundation for transfer to B.A. in Elementary Education programs in Washington state. City University offers a B.A. in Education program on the Seattle Central campus.

**A minimum 2.0 GPA in each course and overall 2.0 GPA is required to earn the A.A. degree. However, many competitive programs require a 3.0 or better in program prerequisites as well as an overall average above a 3.0 GPA. Students must check with university education programs to see specific GPA information, as it does vary. In addition, students must meet various other university program requirements before entering a B.A. in Education program, including taking the WEST-B test and up to 80 hours supervised work with children.*

REQUIRED COURSES

ENG 101	Composition	5
ENG 102	Composition	5
MAT 170	Math for Elementary School Teachers	5
EDU 201	Intro to Education	5
CMN 135	Effective Presentations	5
HUM 105	Intercultural Communication	5
PSY 206	Developmental Psychology	5

SUGGESTED COURSES

MIC 106	Software Applications for K-12 Educators	5
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OTHER COURSEWORK

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

See advising for specific requirements and information.

OTHER REQUIREMENTS

Students need to demonstrate computer literacy in software programs (Word, Powerpoint, Excel) and Internet skills. Students must meet with a counselor to assess whether they have met this requirement.

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.

2 | ADULT BASIC EDUCATION ESL

Basic Studies Department
(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 matching 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. Course descriptions are listed under Adult Basic Education (ABE). 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 level 1 (pre-beginning) and progress through level 6 (advanced). Emphasis is on improving listening, comprehension, pronunciation, vocabulary development and English structure. Call for information on fees.

NOTE: International students take ESL classes offered through International Programs.

College PREPARATORY ENGLISH

This program is designed for students preparing for workforce 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 increasingly advanced levels. Two levels of Transitional English as a Second Language are available. Students must qualify for transitional ESL by taking the COMPASS/ESL test. Pre-college level courses require payment of tuition. Course descriptions are listed under Languages & Literature / English / English as a Second Language.

NOTE: International students take ESL classes offered through International Programs.

PRE-COLLEGE 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 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 contact the division counselor at (206) 587-5408.

3 | CAREERS

Professional-Technical Programs

See pages 55-74 for these programs at Central.

4 | 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.

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. Continuing Education courses are listed under non-credit classes in Central's quarterly class schedules.

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 3-D animation and new technology certification. A variety of computer training programs that include Microsoft Office Suite, database software, multimedia software, web design and computer programming and networking are available.

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 email.

3-D 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 3-D animation.

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 integrates community service and academic instruction by focusing on critical reflective thinking and civic responsibility.

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. Certified specializations such as Nutritional Therapist, Sustainable Building Advisor, Personal Trainer, and many others 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 classes from the college's Continuing Education Department.

TEACHER TRAINING/ EDUCATION PROGRAMS**(206) 587-3895**

The office of Teacher Training/Education Programs offers diverse programs related to teacher training and education. The department offers the following credit and non-credit based programs and courses.

Teaching English to Speakers of Other Languages Certificate Program (TESOL)

The non-credit TESOL certificate program has been created for those who are interested in teaching English overseas. The program includes a practicum and introduces major approaches and effective methods in the second language acquisition field.

Associate of Arts Education Emphasis

This K-8 education pre-major is designed for students transferring to a four-year university to pursue a professional teaching degree.

See page 50 for degree details.

5 | DISTANCE Learning**(206) 587-4060**

The Distance Learning Office at Central provides information and support services for students taking online, correspondence, television or videocassette courses. Students may take occasional distance learning classes or they may earn an Associate of Arts degree at their own pace while experiencing the same curriculum, content, and challenges as on-campus courses. For students interested in upgrading skills, a variety of non-credit Distance Learning classes are also offered, including computer and information technology courses.

See page 16 for information on distance learning options.

6 | HIGH SCHOOL— COLLEGE GED**HIGH SCHOOL / COLLEGE LINKS****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. Website: <http://seattlecentral.edu/runstart>.

See page 19 for more information.

TechPrep**(206) 903-3222**

Students earn college credit while in high school and start their careers in fields such as automotive technology, business information technology, culinary arts, drafting and computer-aided design, and many others. 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 19 for more information.

PRE-COLLEGE Courses

Please see page 20 for these college preparation courses.

GED PREPARATION**(206) 587-4180**

Adults may demonstrate they have reached an education level equal to a high school diploma by taking the General Educational 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, which is accepted by colleges, workforce training 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.

See page 20 for more information.

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 Standard High School Diploma and the Associate Degree Conversion Diploma. 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.

See pages 20-21 for details about the diploma options and possible tuition waiver for high school completion.

7 | INTERNATIONAL Programs**INSTITUTE OF ENGLISH****(206) 587-3893**

The Seattle Central Institute of English (SCIE) 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.

See page 22 for further information or visit www.seattlecentral.edu/international

TRAVEL / STUDY ABROAD**(206) 587-3899**

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

8 | WORKER RETRAINING Program**WORKER RETRAINING****(206) 587-6310 V/TTY**

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

Services may include:

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

See page 24 for additional information on the Worker Retraining Program.

Professional / Technical PROGRAMS

Seattle Central Community College offers over 30 degrees and certificates in workforce education areas. These programs, which vary in length from one to seven quarters, are designed to prepare students for careers and/or to expand skills in their career area. Seattle Central Community College, including these programs, is accredited by the Northwest Commission of Colleges and Universities.

APPAREL DESIGN & SERVICES

Business, Information Technologies & Creative Arts 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, several 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 (12-14 CREDITS)

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

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-T 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 regarding current degree requirements. Students must maintain a minimum 2.0 GPA in their coursework to remain in the program.

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

Associate of Applied Science Degree-T (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

Students intending to complete transfer degrees (A.A. or A.S.) need to take ENG 102 instead.
**BIO 201 may be substituted.*
***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.

ELECTIVES

Select 5 elective credits 5
 TOTAL CREDITS 95

BUSINESS INFORMATION TECHNOLOGY

Business, Information Technology & Creative Arts Division
 (206) 587-3830

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

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

COMPLETION OF CERTIFICATE REQUIREMENTS 49

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 Resources Management. 3
 BUS 178 Intro to Web Design/
 Development with 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

Ten credits selected from approved list.
 Contact the Advising Center.

TOTAL CREDITS 94

CULINARY ARTS

Seattle Culinary Academy
Hospitality & Culinary Arts Division
 (206) 587-5424

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 (A.A.S.) 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 choose courses in support of the A.A. 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 GPA 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; the "Chef-of-the-Day" menu writing and production course; and optional participation in competitive food shows and exhibits. All training is directly supervised by world-class executive chefs and pastry chefs.

This program is fully accredited by the Accrediting Commission of the American Culinary Federation.

Culinary Arts Certificate

TECHNICAL SPECIALTY COURSES

BAK 105	Restaurant Baking: Theory	1.5
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	6
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	6
CUL 112	Quantity Cooking: Practicum	8
CUL 113	Restaurant Cooking: Practicum.	8
CUL 114	International Cooking: Practicum	8
CUL 120	Introduction to Wine.	2
CUL 150	Sustainable Food System Practices	2
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 108	Dining Room & Kitchen Management	2
HOS 109	Advanced Customer Service	0.5
HOS 110	Principles of Sanitation	3
HOS 122	Purchasing & Inventory: Theory.	1
HOS 123	Food Costing Principles & Application	1
HOS 124	Computerized Menu Planning	2
HOS 201	Functions of Management.	2

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 103

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 103

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 119

Specialty Desserts & Breads

Specialty Desserts & Breads is a newly expanded, five-quarter program designed to teach 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. The A.A.S. degree may not transfer to a four-year institution; for more information see the division counselor.

Utilizing contemporary methods and state-of-the-art equipment, the comprehensive, hands-on training covers all aspects of baking and pastry, including rustic artisan breads and dough, plated desserts, complex cakes and tortes, croissants and pastries as well as tarts, mousses, truffles, petit fours, wedding cakes and cake decorating, chocolate work, 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.

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
CUL 120	Introduction to Wine	2
CUL 150	Sustainable Food System Practices	2
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	2

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		78.5

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

Completion of Certificate Requirements 78.5

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 94.5

DEAF INTERPRETER TRAINING

Health and Human Services Division
V/TTY (206) 344-4347

Also see Interpreter Training Program, page 63.

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

Deaf interpreters work in areas such as colleges, public schools, or as freelance interpreters. This program provides students with a background 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 settings in which deaf and hearing people interact.

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

Certificate**TECHNICAL SPECIALTY COURSES**

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
DRA 112	ASL Theatre	5
LAN 110	Comparative Linguistics: ASL & English	5

RELATED INSTRUCTION

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

** 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

DENTAL HYGIENE

(206) 587-4186

Health and Human Services Division

(206) 344-4347

Seattle Central's new two-year (seven quarter) Dental Hygiene Program began enrolling first-year students in fall quarter 2005. The program includes general education courses; dental hygiene theory, lab, and clinical practice. Registered Dental Hygienists are licensed oral health professionals who focus on preventing and treating oral diseases to both protect teeth and gums and patients' total health. Hygienists provide direct oral health care services in settings such as private dental offices, public and community health clinics, managed care organizations, correctional institutions, schools, nursing homes, and oral health research facilities.

The range of patient services performed by hygienists varies from state to state and may include performing oral health care assessments, educating patients about preventive oral health care techniques, cleaning and polishing teeth, taking and developing x-rays, administering local anesthetics, placing and contouring dental fillings, and providing additional preventive oral care services.

Eighteen students are accepted into the program each fall after successfully completing program prerequisites listed below with a 2.8 or higher GPA in each class, completing the program application and participating in the student selection/interview process.

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

PREREQUISITES

ENG 101	Composition	5
ENG 101/102	English Composition	5/5
PSY 110	General Psychology	5
HUM 105/ISP 105	Intercultural Communication	5
CHE 101	General Chemistry	5
CHE 102	Organic Chemistry	5
ANP 213/214	Anatomy and Physiology I and II	5/5
BIO 280	Microbiology	5
MAT 107	Math for Liberal Arts	5
NTR 150	Human Nutrition	5
SOC 110	Survey of Sociology	5
- OR -		
ANT 202	Cultural Anthropology	5
MIC 101	Intro to Microcomputer Applications (4)	
	<i>(Recommended if no prior basic computer course or evidence of basic computer skills.)</i>	

TOTAL PREREQUISITE CREDITS 60

TECHNICAL SPECIALTY COURSES

DHY 100	Fundamentals of Dental Hygiene I	3
DHY 101	Clinical Dental Hygiene I	3
DHY 102	Health Promotion	2
DHY 103	Dental Radiology I	4
DHY 104	Preventive Dentistry	2
DHY 105	Oral Biology	5
DHY 107	Pharmacology	3
DHY 108	Periodontology I	2
DHY 110	Head and Neck Anatomy	4
DHY 113	Dental Radiology II	1
DHY 114	Restorative Practice and Materials I	3
DHY 117	Emergency Management	1
DHY 118	Pain Control Anesthesia	4
DHY 119	Restorative Practice and Materials II	3
DHY 120	Fundamentals of Dental Hygiene II	2
DHY 121	Clinical Dental Hygiene II	4
DHY 122	Oral Pathology	2
DHY 130	Fundamentals of Dental Hygiene III	2
DHY 131	Clinical Dental Hygiene III	4
DHY 200	Fundamentals of Dental Hygiene IV	2
DHY 201	Clinical Dental Hygiene IV	8
DHY 203	Ethics and Jurisprudence	2
DHY 208	Periodontology II	2
DHY 215	Special Needs	2
DHY 220	Fundamentals of Dental Hygiene V	2
DHY 221	Clinical Dental Hygiene V	8
DHY 222	Community Health I	1
DHY 223	Community Health II	3
DHY 224	Community Health III	2
DHY 230	Fundamentals of Dental Hygiene VI	2
DHY 231	Clinical Dental Hygiene VI	8
DHY 233	Restorative Practice and Materials III	2
DHY 234	Restorative Practice and Materials IV	2
DHY 235	Restorative Practice and Materials V	2
DHY 236	Restorative Practice and Materials VI	2
DHY 240	Fundamentals of Dental Hygiene VII	2
DHY 241	Clinical Dental Hygiene VII	8
TOTAL CREDITS		114

TOTAL PROGRAM CREDITS INCLUDING PREREQUISITES: 174

For further information on healthcare professions, see www.seattlecolleges.edu/healthcare.

NOTE: Eligibility for graduation requires a 2.8 GPA in Related Instruction courses and a 2.5 GPA in Technical Specialty courses.

FILM & VIDEO COMMUNICATIONS

Business, Information Technologies &
Creative Arts Division
(206) 587-3830

The Film and Video Communications Program is a two-year, A.A.S. degree program characterized by interdisciplinary teaching and cooperative educational opportunities, with an emphasis on development of technical and creative skills needed to work in the industry. Faculty and staff use current technology in the curriculum and rely on experts from the media industry. This program prepares its graduates for entry-level employment as audio, lighting, set, camera and/or production technicians; photojournalists; and producer, director, editor, and independent video and film makers. For further information, visit www.seattlecentral.edu/proftech/PROvideo.php.

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

Business, Information Technologies &
Creative Arts 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; newspaper, retail, corporate, and in-house graphics departments; as freelance print and electronic designers and illustrators; and design studios assisting in the design and creation of corporate logos, annual reports, posters, brochures and Web graphics.

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

Choose 6 credits from:

BUS 185	Small Business Management	5
IMC 100	Media Publication	3
IMC 101	Design for the Visual Arts	3
IMC 297	Integrated Media Communications*	5
IMC 298	Integrated Media Communications*	7
IMC 299	Integrated Media Communications*	6
MIC 101	Intro to Microcomputer Applications	4
SOC 120	Sociology of the Media	3

- PLUS -

Electives		12
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Students may choose from any business, art, humanities, social science, science or math course.

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

TOTAL CREDITS		108
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Associate of Applied Science Degree (A.A.S.)

Completion of Certificate Requirements		108
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Plus 12 additional credits from business related areas, accounting, business, computers, desktop publishing, or college transfer. Contact the Advising Center.

TOTAL CREDITS		120
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INFORMATION TECHNOLOGY**Information Technology Programs
(206) 287-5558**

Seattle Central's Information Technology three- to seven-quarter certificate and Associate of Applied Science degree (A.A.S.-T.) programs prepare students for an industry with a growing need for skilled technicians. Information Technology offers certificates and/or degrees in six areas: Applications Support, Database Administration and Development, Network Design and Administration, Programming, Web Design, and Web Development. 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

ITC 102	Information Systems Concepts	3
ENG 106	Technical Writing	3
MAT 119	Mathematics Behind Information Technology*	3
MIC 101	Intro to Microcomputer Applications	4
MIC 110	Program Design & Development in Visual Basic	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, Web Development, and Applications Support only.*

† Networking Design & Administration only.

Applications Support**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
BUS 140	Customer Relations	5
MAT 110	Applied Math for Technicians	3

TOTAL CREDITS		51
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Associate of Applied Science - T Degree (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 and the Social Sciences	5
- OR -		
MAT 107	Math, A Practical Art	5
ITC 285	Capstone Project	5
IT Electives		10
Science or Social Science Electives		9
TOTAL CREDITS		90

Database Administration and Development**Certificate**

ITC 136	UNIX Operating Systems	5
ITC 172	Visual Basic I.	5
ITC 280	Web Database	5
ITC 110	Programming Concepts and 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
WEB 110	Web Authoring I	4

RELATED INSTRUCTION

BUS 140	Customer Relations	5
TOTAL CREDITS		64

Network Design and Administration**Certificate****TECHNICAL SPECIALTY COURSES**

ITC 136	UNIX Operating System	5
ITC 197	Work Experience	3
- OR -		
ITC 290	Independent Study	3
NET 122	Network OS 1 – Win2K Professional	5
NET 124	Network OS 2 – Win2K Server	5
NET 126	Network OS 3 – Win2K Network Infrastructure	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
Electives		3

RELATED INSTRUCTION

BUS 140	Customer Relations	5
Approved IT Electives		10
TOTAL CREDITS		71

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

Completion of Certificate Requirements	71	
ENG 101	Composition	5
HUM 105	Intercultural Communications	5
MAT 107	Math, A Practical Art	5
- OR -		
MAT 116	Applications of Mathematics to Management, Life and the Social Sciences	5
Electives		5
TOTAL CREDITS		91

Programming**Certificate****TECHNICAL SPECIALTY COURSES**

ITC 136	UNIX Operating Systems	5
CSC 142	Programming	5
ITC 172	Visual Basic I.	5
ITC 110	Programming Concepts and 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
ITC 280	Web Database	5
WEB 110	Web Authoring I	4

RELATED INSTRUCTION

BUS 140	Customer Relations	5
MAT 119	Math Behind IT	3
TOTAL CREDITS		67

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

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

Web Design**Certificate****TECHNICAL SPECIALTY COURSES**

ITC 197	Work Experience	1-2
ITC 180	Project Mgmt. for Information Technology	3
ITC 200	User Interface Design	5
MIC 120	Database Applications & Design with MS Access	4
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
PHI 120	Intro to Logic	5
TOTAL CREDITS		61-62

Associate of Applied Science - T 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, A Practical Art	5
- OR -		
MAT 116	Applications of Mathematics to Management, Life and the Social Sciences	5
ITC 285	Capstone Project	5
	Science or Social Science Electives	5
TOTAL CREDITS		91-92

Web Development**Certificate****TECHNICAL SPECIALTY COURSES**

ITC 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 and 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
TOTAL CREDITS		70

Associate of Applied Science - T 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, A Practical Art	5
- OR -		
MAT 116	Applications of Mathematics to Management, Life and the Social Sciences	5
ITC 285	Capstone Project	5
TOTAL CREDITS		95

INTERPRETER TRAINING PROGRAM**Health and Human Services Division
(206) 344-4347**

Also see Deaf Interpreter Training, page 58.

Seattle Central's Interpreter Training program is one of the few two-year (six-quarter) Associate of Applied Science - T (A.A.S.-T.) degree programs in interpreting in Washington. The program prepares graduates to facilitate communication between deaf and hearing people using American Sign Language and English. It has a national reputation for its training program and for producing graduates with marketable skills.

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

The program includes skill-building classes, seminars, and applied interpreting experiences. Approximately 40 students per year are accepted in this sequential program beginning 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 – T Degree (A.A.S.-T)**TECHNICAL SPECIALTY COURSES**

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

* 2.5 GPA required in the previous interpreting class in order to continue in the program.

** 2.5 GPA required in the previous Applied Interpreting Experience class in order to continue in the program.

RELATED INSTRUCTION

ASL 125	American Deaf Culture.	5
ENG 101	Composition	5
HUM 105	Intercultural Communication	5
LAN 110	Comparative Linguistics: ASL and English	5
SPS 201	Survey of Hearing Impairment.	5
MAT 107	Math for Liberal Arts.	5

OPTIONAL ELECTIVES

ASL 120	Intro to Deaf Studies	5
DRA 112	ASL Theatre.	5
DRA 120	Intro to Acting	5

TOTAL CREDITS	94
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MARINE TECHNOLOGY

Seattle Maritime Academy
4455 Shilshole Avenue NW, Seattle, WA 98107
<http://www.seattlecentral.org/maritime>
(206) 782-2647

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 any and all of 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 2/3 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.

Marine Deck Technology

The Marine Deck Technology program combines practical shipboard experience and requisite 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 2/3 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. 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. Graduates also receive six months of sea service credit towards a license as Apprentice Mate (Steersman) of near coastal uninspected towing vessels.

Marine Engineering Technology

Certificate

TECHNICAL SPECIALTY COURSES

MG0101 Principles of Marine Mechanics	2
MG0103 Survival Craft*	3
MG0111 Seamanship	3
MG0113 Marine Safety	3
MG0127 Fundamentals of Marine Electricity	4
MG0147 Marine Engineering Practicum	6
MG0177 Adv. Engineering Practicum	6
MG0200 At Sea Internship	4-5
MTS 212 Auxiliary Machinery & Ship Design	4
MTS 217 Marine Diesel Engine Maintenance & Operation	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

RELATED INSTRUCTION

ENG 105 Applied Composition	3
MG0105 Leadership & Management	3
MG0119 Marine Mathematics	3
TOTAL CREDITS	73-77

*Optional course

Marine Deck Technology

Certificate

TECHNICAL SPECIALTY COURSES

MG0101 Principles of Marine Mechanics	2
MG0103 Survival Craft	3
MG0111 Seamanship	3
MG0112 Marlinespike	2
MG0113 Marine Safety	3
MG0120 Vessel Maintenance	2
MG0123 Basic Piloting & Navigation	3
MG0124 Basic Vessel Handling	2
MG0133 Seamanship Practicum	6
MG0137 Electronic Navigation	2
MG0140 Nautical Rules of the Road	3
MG0166 Navigation Practicum	6
MG0200 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 (optional course)	2

RELATED INSTRUCTION

ENG 105 Applied Composition	3
MG0105 Leadership & Management	3
MG0119 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
- Diesel Engine Maintenance & Operation
- Electronic Navigation
- Marine Safety & Survival
- Vessel Handling

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: R.N. ASSOCIATE DEGREE

Nursing
(206) 587-4123

Health and Human Services Division
(206) 344-4347

The associate degree nursing program prepares men and women to become Registered Nurses. It is approved by the Washington State Board of Nursing and accredited by the National League for Nursing 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. See website for application deadlines. Graduates are awarded an Associate of Applied Science - T (A.A.S.-T.) degree and are eligible to take the State Board examination to obtain a license as a Registered Nurse. As part of the state licensing requirement, seven hours of HIV/AIDS education instruction is included in curriculum content.

Admission and application procedures are under revision. See website: www.seattlecentral.edu. Any required non-nursing course may be completed before entering the nursing program. For more information contact the division office.

PREREQUISITES

ANP 213	Anatomy and Physiology I*	5
ANP 214	Anatomy and Physiology II*	5
BIO 280	Microbiology	5
CHE 101	Fundamentals of Inorganic 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

Eligible for Math 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 each nursing, science and related instruction course in the program.

It is strongly suggested 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.

TOTAL PREREQUISITE COURSES	30
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ADVANCED PLACEMENT

Students who have taken nursing education courses within the past three years and who meet the prerequisite and grade requirements stated above may be considered for advanced placement. After evaluation of transcripts, advanced placement students will be accepted on a first-come, first-served, space-available basis.

Washington State Licensed Practical Nurses who have satisfied the prerequisites and first-year support courses may enter the second year of the nursing program after successful completion of the one-quarter transition courses, NUR 106, 120, 140, and 162.

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

GENERAL EDUCATION NURSING SUPPORT COURSES

MAT 107	Math for Liberal Arts	5
NTR 150	Human Nutrition	5
PSY 206	Developmental Psychology	5

TOTAL GENERAL EDUCATION	
NURSING SUPPORT COURSES	15

TECHNICAL SPECIALTY COURSES

NUR 101	Nursing I: Fundamentals of Nursing	5
NUR 102	Nursing II: Medical-Surgical Nursing	3
NUR 103	Nursing III: Medical-Surgical Nursing	4
NUR 111	Nursing Practice I	3
NUR 112	Nursing Practice II	3
NUR 113	Nursing Practice III	4
NUR 122	Nursing I B Psychosocial Nursing I	2
NUR 123	Pharmacology for Nursing Care	4
NUR 185	Gerontology for Nurses	2
NUR 201	Nursing IV A: Psychosocial Nursing II	2
NUR 206	Nursing IV B: Medical-Surgical Nursing	3
NUR 207	Nursing V: Medical- Surgical Nursing	4
NUR 208	Nursing VI: Developing Family Nursing	6
NUR 211	Nursing Practice IV A	3
NUR 216	Nursing Practice IV B	3
NUR 217	Nursing Practice V	5
NUR 218	Nursing Practice VI	3
NUR 220	Health Promotions and Managing Care in Nursing	2
NUR 230	Transition to Professional Nursing Role	2

TOTAL TECHNICAL SPECIALTY COURSES	63
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TOTAL PROGRAM CREDITS INCLUDING PREREQUISITES	108
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*For further information on healthcare programs,
see www.seattlecolleges.edu/healthcare.*

SCHOOL OF OPTICIANRY

School of Opticianry
(206) 344-4321

Health and Human Services Division
(206) 344-4347

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 (COA). According to the Washington State Administrative Code and licensing guidelines: "The ophthalmic dispenser (dispensing optician) prepares duplications of and dispenses lenses, spectacles, eye-glasses, 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.

NOTE: 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	Benchmark 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
TOTAL CREDITS		123-127

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

For further information on healthcare programs, see www.seattlecolleges.edu/healthcare.

PHOTOGRAPHY, COMMERCIAL

Business, Information Technologies &
Creative Arts 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.

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
-OR- All 5 Courses Below:		
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
- PLUS -		
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
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PUBLISHING ARTS

**Business, Information Technologies &
Creative Arts Division**
(206) 587-3830

Publishing Arts is a new program for learning how to plan, create and publish. The program – a unique combination of creative and technical – links the latest pub-

lishing software with advanced color computer labs (PC and Macintosh) and a full range of digital imaging technology. Students will learn all about the publishing industry through a hands-on, team-based experience, earning an Associate of Applied Science (A.A.S.) degree or a one-year certificate. Students publish their own designs in the form of posters, brochures, note cards, books, T-shirts and many other commercial-quality products and house their digital portfolio on the web. Student develop professional-level skills in color management, using specialized imaging software, project management, customer service, and small computer network maintenance.

Associate of Applied Science Degree (A.A.S.)**TECHNICAL SPECIALTY COURSES**

PUB 101	History of Publishing	3
PUB 110	Intro to Graphic Production	3
PUB 111	Intro to Digital Input	3
PUB 112	Intro to Digital Output	3
IMC 297	Integrated Media Communications	5
PUB 120	Graphic Production	3
PUB 121	Digital Workflow	3
PUB 122	Intro to Imaging	3
PUB 123	Intro to Finishing	3
IMC 298	Integrated Media Communications	7
PUB 130	Graphic Production II	3
PUB 131	Digital Workflow II	3
PUB 132	Imaging II	3
PUB 133	Finishing II	3
IMC 299	Integrated Media Communications	6
PUB 210	Intro to Project Management	4
PUB 211	Advanced Digital Workflow	4
PUB 212	Production Imaging and Finishing	4
PUB 214	Advanced Digital Processes	2
PUB 215	Intro to Estimating and Engineering	2
PUB 220	Advanced Graphic Production	4
PUB 221	Advanced Digital Workflow II	4
PUB 222	Production Imaging and Finishing II	4
PUB 224	Advanced Digital Processes II	2
PUB 225	Project Management	2
PUB 230	Advanced Graphic Production II	4
PUB 232	Production Practicum	4
PUB 234	Advanced Digital Processes III	2
PUB 235	Portfolio	2
PUB 236	Career Building	2
PUB 197	Cooperative Education	2
Related Instruction	12

TOTAL CREDITS	114
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RESPIRATORY CARE

Health and Human Services 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 the 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. Because the A.A.S. degree may not transfer, students transferring to a four-year institution should take college transfer English and science courses. Graduates are eligible for licensure as Respiratory Care Practitioners in Washington state, and are also eligible and prepared for the National Board Registered Therapist credentialing exams. Washington state licensure requires seven hours of HIV/AIDS education which is included in the curriculum content. New classes begin fall quarter only. For advanced placement consideration, contact the division office for specific requirements.

NOTE: Prerequisite — Eligibility for ENG 101 & 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.

For further information on healthcare programs, see www.seattlecolleges.edu/healthcare.

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. 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

Social & Human Services
(206) 587-6900

Health and Human Services Division
(206) 344-4347

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.

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

NOTE: Prerequisite — Eligibility for ENG 101 and MAT 084.

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

HUMAN SERVICES CORE

SHS 100	Intro to the Social and 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 and 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	AIDS Workshop	1
SHS 200	Advanced Counseling Methods	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. Designed for students who wish to make a positive impact in their field and in the lives of children and families.

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 COURSES

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 and Adolescent Years	3
CFS 208	Planning Activities and 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 & Education	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	2
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.

NOTE: Prerequisite—Eligibility for ENG 101 and MAT 084.

Chemical Dependency Specialist

The Chemical Dependency Specialist program includes an integrated 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.

NOTE: Prerequisite — Eligibility for ENG 101 & MAT 084.

NOTE: Additional courses may be needed to meet state certification requirements. 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

**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.*

*** In the topic areas of Multicultural Counseling, Adolescent Assessment & Relapse Prevention.*

FIELD PLACEMENT COURSES

CDS 197	Field Placement in Human Services	5
CDS 198	Field Placement in Human Services	5
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

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

Health and Human Services 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). 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. For more information contact the division office.

NOTE: Prerequisites — eligibility for ENG 101 and 100 level college math.

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

For further information on healthcare programs, see www.seattlecolleges.edu/healthcare.

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, and 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

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 (103 credits) or Carpentry (85 credits) programs, plus 17 credits from related instruction such as the following courses:

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

or any ACC, BUS, CSC, HDC, MIC, MTS, OFO, TDR or liberal arts course.

TOTAL CREDITS		102-120
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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
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The A.A.S. degree requires completion of certificate requirements for Marine Carpentry (Boatbuilding) Cabinetry (118 credits), plus 20 credits from related instruction such as the following courses:

RELATED INSTRUCTION

MIC 203 Intro to CADD	5
MIC 204 CADD II	5
WCO 160 Architectural Blueprint Reading	4
WCO 164 Roof Framing and Stairbuilding	2
WCO 197 Work Experience	3
Any ACC, BUS, CSC, HDC, ITC, MIC, MTS, NET or liberal arts course	5-15
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 workforce education programs. Students earn academic 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
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
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
PUB 197 Publishing Arts	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 Social & Human Services	2-5
SSC 197 Social Science	2-15
WCO 197 Wood Construction	2-15