Welcome

What’s the Seattle Central experience like? It’s small classes, engaging instructors, challenging programs, and a diverse student body set in a vibrant urban neighborhood in the heart of Seattle. It’s about starting your four-year degree, learning marketable skills, and making connections. Most of all, it’s about becoming a better, more capable you.

Each year, more than 15,500 students choose Seattle Central College to help them meet their educational goals. We are proud to be one of the most diverse educational institutions in Washington state. We attract people from all walks of life who seek education to better their lives, representing a multitude of ages, races, nationalities, ethnicities, and backgrounds, which creates a rich learning environment.

Our main campus on Capitol Hill is easily reached by public transportation, with light rail connecting the campus to other parts of the city, including the University of Washington. Our urban location offers countless choices for shopping, dining, and entertainment.

We also offer classes at three nearby locations. The Wood Technology Center, in the Central District, has been training woodworkers since 1936. The Seattle Maritime Academy features a new facility on the working waterfront in Ballard and trains students to work in the maritime industry. Our Health Education Center at Pacific Tower in Beacon Hill opened in 2016 and features the latest in medical technology to prepare students to work in the health care industry.

The college offers a range of programs, degrees, and certificates serving the career goals of students and the demands of employers in culinary arts, apparel design, information technology, maritime, health care, and social and human services. All programs provide real-world, hands-on training from instructors who stay current with the latest industry trends.

Whatever your educational goals, Seattle Central can help. Unlike many colleges, we have an open admissions policy. If you want to succeed in college, we have a place for you. Visit www.seattlecentral.edu/future or call (206) 934-3898.

Getting Started at Central

Admissions
International Students (206) 934-5450
International Students (206) 934-3893

Financial Aid (206) 934-3844

Information Center (206) 934-3800

Registration (206) 934-6918

Mission

As an open-access learning institution, Seattle Colleges prepares each student for success in life and work, fostering a diverse, engaged, and dynamic community.

Vision

Seattle Colleges is recognized as an exemplary learning institution that transforms lives, promotes equity, and enriches the community.

Core Themes

- Responsive Teaching and Learning
- Catalyst for Opportunities and Success
- Diversity in Action
- Communities Engagement
Facts at a Glance*

2017–2018 ANNUAL PROFILES
Annual attendance 2017–2018 16,699

Special Enrollments
Distance Education 9,009
Running Start 702
International Students 1,958
Worker Retraining 491

FALL 2017 PROFILES

Students **
Median age 25
Ethnic diversity 68%
Male/Female 40%/53%
With bachelor or higher degrees 10%
Employed 35%
  full-time 17%
With dependents 15%
  single parents 6%
Full-time/Part-time attendance 52%/48%

Programs
College Transfer 52%
Professional Technical 31%
Basic Skills, Pre-college, and Other 17%

Course Funding Sources
State-funded 62%
Contract-supported 27%
Student-supported 11%

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

Specialized Training Centers

Seattle Maritime Academy
4455 Shilshole Ave NW, Seattle, WA 98107
(206) 934-2647
maritime.seattlecentral.edu
Seattle Maritime Academy’s focus is as a Professional Technical school helping supply the industry with confident and competent middle-rate mariners to fill the looming gap in the maritime workforce. We support Seattle and the Pacific Northwest in preparing students for family/living-wage jobs to rebuild the middle class. It is located in the heart of Ballard on the working waterfront of the Lake Washington Ship Canal. The academy offers certificate programs in Marine Deck Technology and Marine Engineering Technology as well as community education training in a variety of marine-related subjects. The academy also provides professional development and customized trainings and skill-building classes to private-sector companies, government agencies, military units, and unions.

Wood Technology Center
2310 South Lane, Seattle, WA 98144
(206) 934-5460
woodtech.seattlecentral.edu
The state-of-the-art Wood Technology Center has trained Northwest woodworkers since 1936. Programs include core training in safety, skills, tools, and materials, as well as specializations in cabinetmaking, fine woodworking, carpentry, marine technology, boatbuilding, and repair. Students can earn associate degrees or a series of skill-specific certificates.

Health Education Center
1200 12th Ave S, HEC 202 Seattle, WA 98144
(206) 934-4347
healthcare.seattlecentral.edu/health-education-center
Seattle Central’s Health Education Center offers a variety of intensive, hands-on training programs that prepare students for successful health care careers. Occupying five floors of the historic Pacific Tower on Beacon Hill, the center contains facilities that include modern labs equipped the latest health care technology, providing a real-world training environment. With day, evening, and hybrid classes, students have the flexibility to enroll in certificate, associate degree and bachelor’s degree programs in Dental Hygiene, Respiratory Care, Nursing, Surgical Technology, Health Care Services Management, and more.
Academic & Student Support Services

Advising Center
(206) 934-4068
seattlecentral.edu/advising

The Advising Center helps students set long-range educational goals and provides assistance with scheduling, transfer guidance, entry advising for Professional Technical programs, unofficial transcript evaluation, and referrals to college services. Students using the center expect to transfer for further education and often plan to receive an associate degree before transferring to another college. Students not planning to transfer can receive advice through their specific areas, such as Running Start, Professional Technical programs, Basic Studies, International Education, or bachelor’s degree programs.

Career Services Center
(206) 934-4383
seattlecentral.edu/careercenter

Career Information
The Career Services Center provides career exploration assessments, web-based resources, information about college majors and their relationships to careers, and a wide variety of career-related resources for students who are undecided about their majors and career paths. In addition, the center coordinates and delivers career-related presentations in classrooms and the community, and it offers individual career testing and counseling, an annual career fair, scholarship and grant information, and application assistance.

Employment Assistance
The Career Services Center offers job listings online and in hard copy, an automated online job board for students and alumni called Career Hub, job search information; resume and cover letter critiques, mock interviews, employer fairs, access to computers for job searches, and resume and cover letter preparation.

Class Schedule Quarterly
(206) 934-3800
mycentral.seattlecolleges.edu

Seattle Central produces a quarterly class schedule that lists specific courses offered that quarter. It is available online approximately six weeks before the start of each quarter. To view the online class schedule, visit Seattle Central’s home page and click on “class schedule.”

College Success Program
(206) 934-3168
seattlecentral.edu/collegesuccess

The College Success Program is especially designed to support students who have been in the foster care system. Resources and support include assistance with enrolling, attending, completing, and transitioning to employment or a four-year transfer degree to move on to university. In addition, the program provides advocacy support, a network of campus and community support systems, and – depending on eligibility – limited and specific financial assistance for qualified school expenses and living costs. Please visit Room BE 4170A to learn more, register for the program, and see eligibility requirements for financial assistance.

College Transfer Center
(206) 934-5469
seattlecentral.edu/transfer

Services in the College Transfer Center are available to all registered Seattle Central students who want to transfer to a four-year college or university to pursue a bachelor’s degree. The Transfer Center enables Seattle Central students to learn about transfer opportunities and to meet representatives from local and national four-year schools at college fairs, events, and workshops each quarter. The center houses college catalogs, transfer guides, applications, and transfer planning materials. There are two student computers to help students conduct college searches, complete online applications, and write transfer essays. The staff is available to answer questions and provide support throughout the transfer process.

Computer Center
(206) 934-4194
seattlecentral.edu/it-services/computerlabs

The Computer Center is open to all Seattle Central students and has PC and Apple computers with student network software and internet connectivity. Printing is available at minimal cost. Current Seattle Central enrollment is required. A student ID number is required for access, and a student ID card is needed for equipment checkout. Visit the Computer Center in Room BE3148 for more information.
Counseling Services
(206) 934-3295
seattlecentral.edu/counsel

The primary goal of counseling is the retention of students by addressing educational, career, and personal issues. Counselors also teach strategies that help students develop critical thinking skills, set academic goals, engage in lifelong learning, develop skills for employment, maintain personal wellness, and navigate a diverse environment. Counselors are assigned to individual departments.

Disability Support Services
(206) 934-4183
seattlecentral.edu/disability-support

The role of the Disability Support Services Office is to provide physical and academic accommodations to students with documented disabilities. This office helps determine academic adjustments, and it consults for the provision of such accommodations. Disability Support Services arranges for a variety of auxiliary services, such as sign language interpreters, assistive technology, extended time on exams, and academic assistance. To avoid delays, auxiliary requests, such as ordering books in an electronic format and interpreting services for ongoing classes, require four weeks’ advance notice. At least three business days are required for special requests/one-time interpreting services.

Located in BE 1112, this office also offers consultations to faculty and staff to help design accommodations that provide equal access.

See page 45 for specific details and additional information on eligibility and policies.

International Education Student Services
(206) 934-3893
seattlecentral.edu/international/index.php

International Students: This office helps international students get started in their educational programs and adjust to the Seattle area. It offers advising, counseling, activities, and additional resources in BE 1113.

Study Abroad: This office also offers instruction on various Study Abroad opportunities, internships abroad, and international service learning.

See page 27 for additional information about international programs.

Library & Media Services
Circulation (206) 934-4050
Reference (206) 934-5421
Media (206) 934-4053
seattlecentral.edu/library

The main library for Central campus, located in BE 2101, maintains collections of books, reserved textbooks, e-books, periodicals, DVDs, CDs, and research databases to support student learning. Student network computers, laptops, iPads, Chromebooks, and Wi-Fi are available. The library also provides study space, group study rooms, photocopiers, scanners, and media equipment. Librarians offer individual reference service to students seeking research help in person and online through email and 24/7 chat reference. Librarians also teach credit courses on information research and course-integrated research workshops.

Multicultural Services
(206) 934-4085

Multicultural Services is committed to creating an institutional climate and practice that supports Seattle Central’s diverse student populations in achieving their academic goals. The office, located in BE 1103, develops innovative services, collaborates with other college departments and divisions on campuswide initiatives, presents professional development activities on multiculturalism and diversity, and disseminates information on diversity resources for students, faculty, and staff. Multicultural Services advances institutional responsiveness to the needs of students of diverse cultural backgrounds through such efforts as the Annual Students of Color Conference, which supports critical thinking, leadership skills, and social justice activism.

Senior Adult Education

Washington state residents 60 years or older may register for up to two courses for audit or credit for a fee of $5 per class. Seniors register on a space-available basis beginning the second week of the quarter but prior to the 10th day of the quarter. Students should attend class the first week of the quarter with instructor permission while waiting to find out if 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 ID card, lab fees, activity fee, transportation fee, books, or supplies. When seniors enroll for more than two courses, they pay for the additional credits at regular tuition rates. Credits taken using the senior citizen waiver cannot be used toward degree completion.
Student Academic Services/Tutoring

Seattle Central Learning Support Network
(206) 934-0973
seattlecentral.edu/learningsupportnetwork

The Learning Support Network provides high-quality academic support to Seattle Central’s diverse student population in order to improve comprehension, increase competence, instill confidence, and promote success. This consortium of learning centers works together to provide uniform and proven support to students. Services are free to all current students, who can choose individual appointments or walk-in or online support. Trained tutors include alumni, retired instructors, and current students.

BE Learning Center
(206) 934-0973
seattlecentral.edu/learningsupportnetwork

The BE Learning Center in BE 2102 provides one-to-one learning support and a quiet area for personal studying. Students can find help with humanities, writing, business, accounting, economics, languages, ASL/ITP, culinary arts, and apparel design courses. Appointments can be guaranteed by booking up to a week in advance. Walk-ins can get help if tutors are available.

Math Path
seattlecentral.edu/learningsupportnetwork
Email: samlearningsupport@seattlecolleges.edu

The Math Path in Science and Math 100 provides learning support specifically for students enrolled in pre-college math (Math 080, 081, 087, 088, 091, 092, 096, and 098). Faculty and student peer tutors work together to model and foster successful math learning.

Science and Math (SAM) Learning Centers
seattlecentral.edu/learningsupportnetwork
Email: samlearningsupport@seattlecolleges.edu

Monday through Friday, 9 a.m. to 6 p.m.

Each discipline in the Science and Math building provides learning support for students on a drop-in basis. Visit the SAM Learning Centers in SAM 100 for help with math, chemistry, physics, computer science, and engineering. Several computers are available for students who need assistance with online assignments.

The Biology Learning Center, located on the third floor of the SAM building, is a drop-in center that allows students to use course- and laboratory-specific materials.

TRIO Student Academic Assistance
(206) 934-3852
seattlecentral.edu/trio

In BE 1102B1, Student Support Services, a TRIO program funded by the U.S. Department of Education, promotes retention, graduation, and transfer of underserved students through the delivery of targeted services to empower personal, academic, and professional growth. Services include counseling, tutoring, career advice, college campus tours, and quarterly cultural events. Eligible students need to either be first generation or low income or have a documented disability. For more information, stop by the TRIO office.

Testing Office
(206) 934-6344
seattlecentral.edu/testing

Most students seeking a degree or certificate or enrolling in most English or mathematics classes must take placement tests prior to registration. These tests help the student and advisor select appropriate classes. This office also offers ASL (American Sign Language) placement tests, ESL placement tests, GED exams, and exam proctoring services for other institutions. Testing schedules and detailed descriptions are available online or by phone.

Veterans Affairs
(206) 934-4147
seattlecentral.edu/veterans

For information about using VA benefits to attend Central or how to qualify for a veterans tuition discount, visit the website or contact the veterans coordinator in BE 1104C. For a complete description of the educational benefits for veterans and their dependents, as well as assistance for students interested in pursuing careers in the military, visit the U.S. Veterans Affairs website at www.va.gov.

See page 34 for more details.
Women’s Programs
907 E. Pine St.
Seattle, WA 98122
(206) 934-3854
seattlecentral.edu/student-support/womens-programs.php

Through the Wednesday noon lecture series “Women in Society,” campus health fairs, and other student events, Women’s Programs build community awareness around gender concerns while creating a voice and community. It provides information about a variety of community financial resources and other forms of assistance to all students. It coordinates a schedule of visiting community partners available to meet with students to provide resources and additional referrals. Emergency funds are available for students who qualify through a variety of resources.

Workforce Services
(206) 934-3854
seattlecentral.edu/workforce/
907 E. Pine
Seattle, WA 98122

Workforce Services assists students in identifying and achieving their educational and career goals, with a special emphasis on support for low-income returning students pursuing nontraditional career options and training in high-wage, high-demand jobs.

Financial assistance for tuition, books, and supplies is available to students who qualify through the Worker Retraining program, Basic Food Education & Training (BFET) program, WorkFirst programs, and Opportunity Grant programs. Visit startnextquarter.org to help determine preliminary eligibility.

Educational planning with professional staff helps students access education and success through individual plans and campus and community resources.

Both current students and those wanting information and assistance in attending Seattle Central can contact Workforce Services.

Art Gallery
M. Rosetta Hunter Art Gallery
(206) 934-4379
9:30 a.m. to 3:30 p.m., Monday through Friday
5 to 7 p.m., Tuesday and Wednesday

The Art Gallery, located in the Atrium, is an educational exhibition space that enhances Seattle Central’s academic goals and contributes to the cultural enrichment of the institution. It hosts exhibits and activities that reflect and serve our multicultural population. The gallery presents approximately nine exhibits throughout the academic year and one show during the summer. Many feature the work of Seattle Central students and graduates.

Bookstore
(206) 934-4148
seattlecentral.bncollege.com

The Bookstore, located in SAC 250 across the street from the main college building on Broadway, carries required and recommended textbooks for courses. Textbooks and supplies can also be ordered online at seattlecentral.bncollege.com. The Bookstore offers a wide array of rental and digital titles as well as new and used textbooks. Rentals can save you up to 50 percent of the cost, and e-textbooks can be as much as 80 percent less than a new textbook. The Bookstore offers a textbook buyback service year-round, with a special buyback for students with proper ID during final exam week each quarter. It also carries school supplies, clothing, gifts, and snacks. For hours of operation and current information, visit the website or faceook.com/seattlecentralbooks.

Copy Center
(206) 934-5419
Online ordering: seattlecentral.edu/copycenter/index.php

The Copy Center in BE 3105A provides copying service for students, faculty, and staff. In addition to copying services, self-service copiers are available. Supplies such as blue books, scantrons, envelopes, transparencies, and course packets are for sale here. Fax service available within the U.S.

Erickson Theatre
1524 Harvard Ave, (between Pike & Pine on Capitol Hill)

The Erickson Theatre is the home of the SCC Drama Department, teaching drama and technical theatre classes as well as being used for campus and community special events.
Food Services
(206) 934-4319
All are open to the public.

The Atrium cafeteria is open from 7:30 a.m. to 6 p.m. Monday through Thursday and until 2:30 p.m. Friday. The Atrium features a variety of cafeteria-style food, including a breakfast menu, burgers, pizza, beverages, healthy salads, sandwiches, Grab ‘n Go items, and prepackaged snacks.

The Buzz by the Broadway entrance offers a wide variety of espresso, coffee, and smoothies, as well as pastries and other sweets created by the Culinary Arts students. It is open from 7:30 a.m. to 6 p.m. Monday through Thursday and until 2:30 p.m. Friday.

The Buzz Pastry Case offers both savory and sweet baked goods and pastries made by students of the Specialty Desserts & Breads program. Selections include a variety of breakfast pastries, European pastries, cakes, cookies, many desserts, chocolates, and a large selection of rustic artisan breads. It is open 10 a.m. to 3:30 p.m. Tuesday through Friday.

During Fall, Winter, and Spring Quarters, students from the Culinary Arts program prepare and serve a variety of specialty meals in the Square One Bistro and One World Dining Room. Guests who dine at our student-run restaurants give students the opportunity to acquire the necessary experience to be successful out in industry. These restaurants are open to the public Tuesday through Friday from 11:15 a.m. to 12:45 p.m.

Square One Bistro features contemporary, casual dining with fresh market salads, soups, entrees, and baked goods, as well as pastas and artisanal pizzas from the woodstone oven.

One World Restaurant offers seasonally focused ever-changing menus with global influences, featuring quality local and sustainably produced ingredients.

For current menus, visit www.seattleculinary.com.
Reservations for restaurants: (206) 934-4330

Summer Quarter students prepare “small-plate” cuisine of sample salads, sandwiches, canapés, entrées, pâtés, international street food, and tantalizing desserts, including house-made ice cream and gelato. Most of the ingredients are sourced from student-grown produce on Skagit Valley farmlands. The menu changes daily. The small-plates buffet is open Tuesday through Thursday from 11:15 a.m. to 1 p.m. Restaurants close for several weeks during the year when students are in finals or on break. Check the website for current status and hours.

Public Safety
(206) 934-5442 Public Safety Department
BE 1108

Seattle Central College Public Safety Department is committed to providing a safe environment for the college community, including students, staff, faculty, and visitors. The department takes a community approach to campus security and safety prevention. It is important that everyone speaks up. If you see something suspicious, tell someone.

- For all on-campus emergencies, call 911. When calling 911 for assistance, clearly state the type of emergency: police, fire, or medical. Clearly state your name, location, telephone number, building, and room number. Describe the emergency and follow the dispatcher’s instructions. Do not hang up until told to do so by the 911 dispatcher. When safe, please call Public Safety at (206) 934-5442.
- For on-campus security and safety concerns, call Public Safety at (206) 934-5442 or stop by Room BE 1108.

See page 42 for more information on personal safety.

Recreation & Fitness
Charles H. Mitchell Student Activity Center (MAC)
(206) 934-6315
seattlecentral.edu/wp/mac

7 a.m. to 8 p.m. Monday through Friday, 10 a.m. to 4 p.m. Saturday and Sunday

The Mitchell Activity Center offers a wide range of recreational and fitness activities. The facility includes a basketball gym, a running track, indoor squash and racquetball courts, a well-equipped game room, a weight room, pool and ping-pong tables, cardiovascular workout equipment, and men’s and women’s saunas. Drop-in fitness classes, recreational tournaments, and events for students are also offered. Membership for faculty/staff and community members is available.

Student Parent Support Program
907 E Pine St.
Seattle, WA 98122
(206) 934-3854

The Student Parent Support Program offers funding, parenting information, and referral resources to student parents. Parents eligible for our quarterly need-based funding can receive financial assistance toward a portion of their child care costs. Through our resources, parents can learn how to access and choose quality child care. We support an on-campus parent club, with the purpose of providing an avenue for student-parents to network, support each other, and share information and tips. Our parent resource fairs and workshops are designed to celebrate and support our student-parents.
Student Leadership Division

Student Leadership
(206) 934-6924  SAC 350 (above the bookstore)
seattlecentral.edu/student-leadership

Student Leadership supports student learning and success through leadership development and involvement opportunities on campus. Students can develop and practice organizational and leadership skills in a nurturing learning environment, enhancing personal, social, and professional development.

Associated Student Council (ASC)
(206) 934-4057  SAC 356

The ASC, the official student government of Central, is responsible for representing student interests to the college administration. ASC organizes a broad range of student committees, addresses issues, and promotes services that support student interests. The ASC includes six student executives, chosen each spring by a student vote, and six associates who work on specific projects.

College Activities Board
(206) 934-6335  SAC 355

The College Activities Board (CAB) enriches campus life through multicultural events and activities that celebrate diversity, involvement, and collaboration, ranging from parties, dances, and fairs to comedy shows, poetry nights, speakers on cutting-edge social issues. CAB members learn all aspects of event planning.

Global Engagement Team (GET)
(206) 934-0971  MAC 314

The GET works to maximize interaction between local and international students by coordinating the Conversation Partners language exchange program, assisting with orientation, and providing leadership opportunities that enhance the international student experience.

Organizations, Clubs, and Student Organization Resource Council (SORC)
(206) 934-4028  SAC 357

Clubs empower students to create community, explore learning outside the classroom, and put ideas into action. Contact the office for a list of student organizations on campus. The Student Organizations Resource Council (SORC) facilitates the organization and orientation of campus clubs, reviews student organization funding requests, and presents a Student Involvement Fair every quarter.

Committee Involvement

Students serve the college and gain experience through participation on committees that address specific campus issues, mobilize energy toward organizing events and activities, or provide policy recommendations to the administration. Information is available at the Student Leadership Office.

Leadership Institute

Drop-in training sessions every Thursday at 2 p.m. in MAC 210 are open to all students. Facilitated by various Central staff and Seattle community members, sessions cover essential leadership topics, such as time management, individual core values, and listening skills.

Tournaments & Games Team
(206) 934-6315  MAC 151

Tournaments and Games Team (TAG) organizes and facilitates recreational and sports activities and tournaments that promote student involvement, fair play, and physical activity.

Website & Publications Team
(206) 934-0943  BE 4108

The Student Website and Publications (SWAP) Team is responsible for presenting the voice of students on campus through online and print publications that feature the creative, artistic, and intellectual work of Seattle Central students, including fair, accurate, and inclusive reporting and analysis of activities and events on campus.

Phi Theta Kappa
(206) 934-2928

Phi Theta Kappa is the International Academic Honor Society of the two-year college. The members of Seattle Central chapter, Alpha Chi Zeta, promote Phi Theta Kappa’s mission to recognize and encourage the academic achievement of two-year college students and to provide opportunities for individual growth and development.

Student Development Transcript

The Student Development Transcript (SDT) provides an official record of students’ involvement in clubs, boards, committees, and other extracurricular activities and accomplishments at Central, which can enhance applications for transfer to four-year institutions, for scholarships, and for employment.
Transportation & Parking
Seattle Central Transportation Services
BE 1143
(206) 934-6932 (Parking)
seattlecentral.edu/transportation

Alternative Transportation
Seattle Central encourages alternate forms of transportation, like mass transit, biking, carpooling, and walking. Bike racks/lockers are available on campus. Central’s main campus is well served by Metro. Students registered for 10 or more credits are eligible to purchase a discounted ORCA transit pass issued by the college. The ORCA pass may be used to ride Sound Transit and Community, Everett, Kitsap, Metro, and Pierce transit systems. For additional information, contact our office or visit our website.

Public Parking
A very limited supply of parking permits for Central’s parking garage is available for purchase by students who live more than five miles away. Thirty days before the quarter starts, individual permits may be purchased online at seattlecolleges.edu/parkingpermits.
General Education Definition and Rationale

See page 4.

General Education

Learning Outcomes

Seattle Central students will achieve personal and professional goals in diverse and multicultural settings because they are able to:

THINK: Analyze, create, and reflect to address and appreciate challenges and opportunities
- Gather, interpret, and evaluate information
- Identify problems and issues
- Formulate hypotheses
- Generate and implement creative strategies
- Create and appreciate aesthetic work
- Evaluate their thinking process

COLLABORATE: Work effectively with others to learn, complete tasks, and pursue common goals
- Identify problems and create action plans
- Apply understanding and knowledge of group process
- Pursue and critically evaluate different social and cultural perspectives
- Manage conflict productively
- Engage in community and civic life

COMMUNICATE: Exchange ideas and information through intentional listening, speaking, signing, reading, writing, or presenting
- Determine the purpose and context for communicating
- Organize and present information purposefully
- Seek feedback and revise to enhance effectiveness
- Attend to conventions of communication to minimize barriers
- Consider perspectives, experiences, and cultural differences to develop understanding

CONNECT: Apply knowledge and skills to solve problems
- Select and use theoretical models, quantitative and qualitative techniques, information sources, and technology tools
- Identify and solve problems using logical strategies and evaluate results
- Gather data from various reliable sources and assess the validity and relevancy
- Critically evaluate solutions using research-based evidence
- Use technology and apply to a wide range of practices, fields, and industries

CONTINUE LEARNING: Self-evaluate and act to improve knowledge and skills
- Analyze own performance and revise to improve
- Transfer learning by applying it in other contexts
- Increase knowledge by identifying gaps and acting to fill them
- Seek mentors and share knowledge with others
- Provide and receive feedback

Associate of Arts Degree

Learning Outcomes

- Communication (Reading, Oral or Signed, Written, Other Forms of Expression)
- Explain meaning of written work, presentations, arts, and media in different contexts and present oral, signed, written, or other forms of expression to increase knowledge, foster understanding, or promote change in an audience.
- Critical Thinking, Inquiry and Analysis, and Problem-Solving
- Explore issues, ideas, phenomena, and artifacts to define and articulate problems or to formulate hypotheses. Analyze evidence to formulate an opinion, identify strategies, develop and implement solutions, evaluate outcomes, and/or draw conclusions.
- Global Learning and Intercultural Knowledge and Competence
- Critically analyze complex, interdependent national and global systems, and their legacies and implications, regarding the distribution of power. Reflect on how one’s position in these systems affects both local and global communities. Apply a set of cognitive, affective, and behavioral skills that support effective and appropriate interaction in a variety of cultural contexts.
- Quantitative Literacy
- Reason and solve quantitative problems in a wide array of contexts and use quantitative evidence to develop and communicate sound arguments.
- Creative Thinking
Synthesize existing ideas, images, or expertise in original ways.

Information Literacy
Identify, locate, and evaluate needed information in a complex and changing environment. Effectively and responsibly use that information to develop ideas, address issues, and solve problems.

Technology Literacy
Effectively and critically evaluate, navigate, and use a range of digital technologies.

Integrative Learning
Connect disciplinary and divergent ideas across contexts by synthesizing and transferring integrative learning principles to complex situations within and/or beyond the classroom.

Collaboration
Work effectively with others to learn, complete tasks, and pursue common goals that shape, influence, and benefit the individual and/or society.

Ethical Reasoning
Examine, assess, and articulate core beliefs and values, and apply that knowledge to analyze and evaluate complex ethical situations from various perspectives.

Civic Engagement
Promote the quality of life in the civic community through actions that enrich individual life and benefit the community.

Foundations and Skills for Lifelong Learning

**Associate of Science Degree Learning Outcomes**
Seattle Central College students 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
### 8 Directions for Your Education and Training

1. College Transfer
2. Professional Technical Programs
3. Bachelor’s Degrees
4. Continuing Education
5. Bridge to College/Pre-College
6. eLearning /Distance Education
7. International Programs
8. Worker Retraining Program

### Academic Programs

**Central Programs of Study**

(206) 934-5469  
seattlecentral.edu/transfer-degrees

Seattle Central College offers a wide 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 College for greater ease of transfer to a four-year institution; they may also take individual classes for transfer. It is recommended that students confer with an academic advisor to ensure course transferability.

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

These fields of study are grouped among three areas of knowledge and are included throughout the A.A. degree curriculum.

See pages 5-9 for more information on A.A. and A.S. degree requirements.

### Associate of Arts Degree (A.A.)

The Associate of Arts (A.A.) degree is a 90-credit transfer degree that fulfills the general education requirements for most four-year degrees in arts and sciences. To earn the A.A. degree, students must achieve a cumulative GPA of 2.0 or better in courses numbered 100 and above, complete at least 15 credits at one of the colleges (North, Central, or South) awarding the degree, and meet all degree requirements. Students should contact an advisor to develop their programs of study.

### Special Emphasis Areas in Academic Programs

#### Emphasis in Equity and Social Justice

The Equity and Social Justice emphasis can be completed with either the A.A. or A.S. transfer degree and focuses on understanding social movements in society while helping build critical reasoning and analytical skills. It prepares students to work or study in a variety of local or international fields dedicated to diversity, equity, and social change.

#### Emphasis in Global Health

The Global Health emphasis can be completed within either the A.A. or A.S. transfer degree and places a priority on improving health and achieving health equity. The focus is on worldwide health access and improvement, reduction of disparities, and protection against global health challenges. It prepares students to work with diverse populations, provide international service, and understand the nuances of global health care.

#### Emphasis in Global Studies

This emphasis can be completed within either the A.A. or A.S. transfer degree and integrates the study of politics, economics, and the arts with the analysis of cultural practices, beliefs, and social systems. Students learn to appreciate and understand world cultures, focus on themes of global significance, and develop an interdisciplinary approach to international issues.
Emphasis in Sustainable Agriculture
This innovative emphasis offers interdisciplinary courses and hands-on service learning and internship opportunities in the emerging field of urban agriculture. The emphasis provides a foundation of knowledge and skills for students interested in pursuing related education at four-year institutions or entering the green workforce. For details, contact Central Advising Office or visit seattlecentral.edu/learn/sage.

Dual Degree Pathways
Seattle Central College offers dual degree pathways so that students can earn two degrees at the same time without taking extra credits. Students can earn an Associate of Arts (A.A.-DTA) and Associate of Applied Science (A.A.S.-T) in Allied Health at the same time by earning 90 credits. Pathways can also include a degree emphasis in Global Health or Equity and Social Justice.

These degree pathways can lead to the Community Health & Education and Health Care Services Management Bachelor of Applied Science (B.A.S.) in Allied Health programs. Contact AlliedHealthBAS@seattlecolleges.edu for more information about the B.A.S. program.

- A.A.-DTA & A.A.S.-T in Allied Health: Generalist
  seattlecentral.edu/pdf-library/dual-degrees/
  AA-DTA-allied-health-dual-degree-pathway.pdf

- A.A.-DTA: Global Health Emphasis and A.A.S.-T in Allied Health: Generalist
  seattlecentral.edu/pdf-library/dual-degrees/
  global-health-dual-degree.pdf

- A.A.-DTA: Equity and Social Justice Emphasis and A.A.S.-T in Allied Health: Generalist
  seattlecentral.edu/pdf-library/dual-degrees/
  equity-and-social-justice-dual-degree.pdf

- A.A.-DTA & A.A.S.-T in Allied Health Pre-Physician Assistant Preparation Pathway
  seattlecentral.edu/pdf-library/dual-degrees/
  prepa-prep-pathway-dual-degree.pdf

Student Steps to Complete a Dual Degree:
1. Complete the standard procedure for admission to the college and declare your intent to the college to be an A.A.-DTA student.
2. Advisors are available to help you register and plan classes.
3. Earn the Care Navigation and Coordination certificate for A.A.-DTA and A.A.S.-T in Allied Health: Generalist dual degrees OR Earn the Nursing Assistant – Certified certificate for the A.A.-DTA and A.A.S.-T in Allied Health Pre-Physician Assistant Preparation Pathway.
4. Apply to the A.A.S.-T in Allied Health: Generalist program.
   https://healthcare.seattlecentral.edu/programs/
   allied-health/getstarted

5. Submit the A.A.-DTA Application for Graduation and the A.A.S.-T in Allied Health: Generalist Application for Graduation (available in Registration) one quarter prior to anticipated graduation date. https://seattlecentral.edu/enrollment-andfunding/enrollment-and-admissions/registration/graduation/forms

Associate of Science Transfer (A.S.) Degree
The Associate of Science (A.S.) is designed to transfer to a four-year college or university in the state of Washington. A.S. degree requirements include satisfactory completion of at least 90 approved credits with a 2.0 cumulative GPA. At least 15 college-level credits must be earned at the college awarding the degree.

Two different study options are offered:
1. biological sciences, environmental/resources sciences, chemistry, geology, and earth sciences
2. engineering, computer science, physics, and atmospheric science.

Please contact an advisor for more information on this degree program.

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

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

Associate in Business – Direct Transfer Agreement (A.B.-DTA)
The Associate in Business (A.B.) is a transfer degree for students planning to transfer to a four-year college or university and major in Accounting, Business Administration, Marketing, or a related major.

The A.B. transfer degree is 90 college-level credits, and students will complete their prerequisite courses as part of this transfer degree. Students are strongly encouraged to meet with an advisor to discuss specific career goals and recommended coursework.
Associate in Business Requirements

This degree shall be granted only to students who have completed 90 college-level credits with a minimum cumulative 2.0 GPA.

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

BASIC REQUIREMENTS

ENGL& 101 English Composition ......................... 5
ENGL& 102 Composition II .................................. 5
MATH 116 Applications of Math: Management, Life
& Social Sciences. ........................................... 5
The following MATH courses are taken together.
Minimum 10 credits in MATH is required.
MATH 116 and MATH&148
-OR- MATH&141, MATH&142, and MATH&151
This course meets the quantitative/symbolic
reasoning requirement.
MATH& 141 Precalculus I .................................. 5
The following MATH courses are taken together.
Minimum 10 credits in MATH is required.
MATH 116 and MATH&148
-OR- MATH&141, MATH&142, and MATH&151
This course meets the quantitative/symbolic
reasoning requirement.
MATH& 142 Precalculus II .................................. 5
The following MATH courses are taken together.
Minimum 10 credits in MATH is required.
MATH 116 and MATH&148
-OR- MATH&141, MATH&142, and MATH&151
This course meets the quantitative/symbolic
reasoning requirement.
MATH& 148 Business Calculus ............................. 5
The following MATH courses are taken together.
Minimum 10 credits in MATH is required.
MATH 116 and MATH&148
-OR- MATH&141, MATH&142, and MATH&151
This course meets the quantitative/symbolic
reasoning requirement.
MATH& 151 Calculus I .......................... 5
The following MATH courses are taken together.
Minimum 10 credits in MATH is required.
MATH 116 and MATH&148
-OR- MATH&141, MATH&142, and MATH&151
This course meets the quantitative/symbolic
reasoning requirement.

BUSINESS REQUIREMENTS

ACCT& 201 Principles of Accounting I .............. 5
ACCT& 202 Principles of Accounting II ........... 5
ACCT& 203 Principles of Accounting III .......... 5
BUS& 201 Business Law. ................................. 5

AREAS OF KNOWLEDGE DISTRIBUTION REQUIREMENTS

Total of 15 credits for each of the three areas of knowledge is required.
- Visual, Literary, and Performing Arts
- Individuals, Cultures, and Societies
- Natural World

One course taken should also be able to fulfill the U.S. Cultures special requirement.

ECON& 201 Micro Economics. .......................... 5
Credits from this class applied toward the 15 credits
required for Individuals, Cultures, and Societies.

ECON& 202 Macro Economics .......................... 5
Credits from this class applied toward the 15 credits
required for Individuals, Cultures, and Societies.

MATH& 146 Introduction to Statistics .................. 5
Following can be substituted:
BUS 210 – Bus & Econ Statistic .................. 5
Credits from this class applied toward the 15 credits
required for Natural World

Visual, Literary, and Performing Arts .................. 15
Minimum of two different subjects.

Individual, Cultures, and Societies ...................... 5
Select course with a non-ECON prefix from
the list from approved courses.

The Natural World ...................................... 5
Minimum of two different subjects.

Natural World – Lab Science ........................... 5
Minimum of two different subjects.

ELECTIVES

Elective ................................................. 5
Only necessary to meet the 90 credit minimum.
Course taken should also be able to fulfill the
U.S. Cultures special requirement if it is not met
by course taken under areas of knowledge.

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

Engineering

Science, Technology, Engineering, and Math (STEM) Division

The Associate of Science degree: Option 2 is intended
for students planning to transfer to a four-year college or
university and major in engineering, computer science,
physics, or atmospheric science.

Students complete 90 credits, including many of the
laboratory and prerequisite courses for their major prior
to transferring. Students are strongly encouraged to
meet with an advisor to discuss specific career goals
and recommended coursework.
**Associate of Science (A.S.) Degree**

**BASIC REQUIREMENTS – ENGLISH**
- ENGL& 101 English Composition ................... 5
- ENGL& 102 Composition II ........................ 5

**BASIC REQUIREMENTS – MATHEMATICS**
Choose 5 credits from the following courses:
- MATH 116 Applications of Math: Management, Life & Social Sciences ...................... 5
- MATH& 141 Precalculus I ........................ 5
- MATH& 142 Precalculus II ........................ 5
- MATH& 148 Business Calculus .................... 5
- MATH& 151 Calculus I ............................ 5
- MATH& 152 Calculus II ............................ 5
- MATH 220 Q – Linear Algebra ..................... 5
- MATH 224 Q – Vector Calculus ................... 5

**BASIC REQUIREMENTS – COMPUTER SCIENCE**
Choose 5 credits from the following courses:
- CSC 110 Introduction to Computer Programming...... 5
- CSC 111 Computers for Math and Science .......... 5
- CSC 142 Computer Programming I ................. 5
- CSC 143 Computer Programming II ............... 5
- ENGR 142 Computer Programming ................ 5

**AREAS OF KNOWLEDGE DISTRIBUTION REQUIREMENTS**
See advisor for list of approved courses or use links below.

- **Visual, Literary, and Performing Arts** ..................5
  Courses in this area include languages, literature, art, music, drama, and communication. Choices must include a minimum of two different course prefixes, and no more than 5 credits each of a world language at the 100 level and a studio/performance class may be applied to the distribution requirements.

- **Individual, Cultures, and Societies** ....................5
  Courses in this area include social sciences, such as anthropology, psychology, and sociology, as well as areas of study like history, philosophy, and ethnic and gender studies. Choices must include a minimum of two different course prefixes.

**PRE-MAJOR REQUIREMENTS**
Course selection should be in compliance with major requirements as indicated by the four-year institution to which the student is planning to transfer. See an advisor or counselor prior to beginning your program of study.

- **The Natural World** ............................... 5
  Courses in this area include physical and life sciences and certain mathematics, computer science, and social science courses. Choices must include a minimum of two different prefixes; 9 credits must be in a lab science.

**ELECTIVES**
See advisor for list of approved courses.

**Elective** .................................. 5
Bachelor of Applied Science (B.A.S.) Degree

PREREQUISITES

- An allied health background, demonstrated in one of the following ways:
  - A certificate of at least 10 credits in an allied health field from a regionally accredited institution
  - An A.A.S.-T/A.A.S. degree in an allied health field from a regionally accredited institution
  - A state-issued credential in an allied health field
  - At least one year of full-time health care work experience (or the equivalent) within the past five years
- An associate degree from a regionally accredited college or university with at least a 2.5 overall GPA
- Acceptable degrees include the following: A.A.S.-T or A.A.S. degree in an allied health field, A.A., A.S., A.B., B.A., or B.S. degree
- Completion of ENGL&101 with at least a 2.0 GPA
- Math eligibility demonstrated in one of the following ways:
  - Completion of MATH&146 or another approved statistics class with a grade of at least 2.0 in the past five years
  - Current eligibility for MATH&146 or MATH 136

TECHNICAL SPECIALTY COURSES

The following courses must be completed with a grade of at least 2.0.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHE 330</td>
<td>Information Literacy for Health Sciences</td>
<td>5</td>
</tr>
<tr>
<td>AHE 401</td>
<td>Principles of Research</td>
<td>5</td>
</tr>
<tr>
<td>CHED 301</td>
<td>Principles of Community Health</td>
<td>5</td>
</tr>
<tr>
<td>CHED 311</td>
<td>Social Determinants of Disease</td>
<td>5</td>
</tr>
<tr>
<td>CHED 312</td>
<td>Health Behavioral Change Theoretical Foundations</td>
<td>5</td>
</tr>
<tr>
<td>CHED 322</td>
<td>Program Planning and Evaluation</td>
<td>5</td>
</tr>
<tr>
<td>CHED 341</td>
<td>Community Health Needs Assessment and Improvement</td>
<td>5</td>
</tr>
<tr>
<td>CHED 476</td>
<td>Community Health and Education Capstone I</td>
<td>1</td>
</tr>
<tr>
<td>CHED 477</td>
<td>Community Health and Education Capstone II</td>
<td>1</td>
</tr>
<tr>
<td>CHED 478</td>
<td>Community Health and Education Capstone III</td>
<td>3</td>
</tr>
</tbody>
</table>

GENERAL EDUCATION COURSES

The following courses must be completed with a grade of at least 2.0.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL&amp; 101</td>
<td>English Composition</td>
<td>5</td>
</tr>
<tr>
<td>ENGL&amp; 102</td>
<td>Composition II</td>
<td>5</td>
</tr>
<tr>
<td>HUM 105</td>
<td>Intercultural Communication</td>
<td>5</td>
</tr>
<tr>
<td>MATH&amp; 146</td>
<td>Introduction to Statistics</td>
<td>5</td>
</tr>
<tr>
<td>Lab Science</td>
<td>Taken from any BIOL or CHEM courses</td>
<td>5</td>
</tr>
</tbody>
</table>

Electives

The following courses must all be at the 100 level or above and be completed with a grade of at least 2.0.

- Humanities course
- Visual, Literary, and Performing Arts requirement
- Natural Science course
- The Natural World requirement
- Social Science course
- Individuals, Cultures, and Societies requirement
- Humanities, Social Science, or Natural Science course
- Including Math or Computer Science course

Electives

The following courses must all be at the 100 level or above and be completed with a grade of at least 2.0.

- Humanities course
- Visual, Literary, and Performing Arts requirement
- Natural Science course
- The Natural World requirement
- Social Science course
- Individuals, Cultures, and Societies requirement
- Humanities, Social Science, or Natural Science course
- Including Math or Computer Science course

Total required elective credits (75) can be a combination of the following:

- Allied Health credits (block if transferred)
- Associate degree block transfer credits (if applicable)
- Other approved academic electives
- No more than 15 credits of studio/ performance
- VLPA credits will count toward the B.A.S. degree.
- Other upper-division AHE, CHEM, HSM, or ABS classes

TOTAL PROGRAM CREDITS: 180

The Community Health and Education B.A.S. degree track can help you meet the requirements to apply to UW School of Medicine’s MEDEX Northwest physician assistant training program. For more information, email AlliedHealthBAS.Central@seattlecolleges.edu.

Dental Hygiene: Bachelor of Applied Science (B.A.S.). in Allied Health

Health Care and Human Services

Dental hygienists are an integral part of the dental team in providing patient care. They perform a variety of tasks, including removing deposits from teeth, taking radiographs, administering local anesthetics, placement and contouring dental fillings, and educating patients about oral hygiene. Note: The educational environment contains multiple latex products and exposure to potential bloodborne pathogens. Current infection control standards are taught in the program.

The Dental Hygiene track is approved by the American Dental Association’s Commission on Dental Accreditation. Graduates are eligible to take the National Board Dental Hygiene Examination (NBDHE) and all Western Regional Examining Board (WREB) components to apply for a license as a registered dental hygienist in Washington or other states accepting these licensing credentials.

Students will earn a total of 195 credits during the full-time program, which includes providing patient care in the school’s dental clinic.

PREREQUISITES

Prerequisite credits (65 total) are included in the total credits required for degree

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL&amp; 160</td>
<td>General Biology w/Lab</td>
<td>5</td>
</tr>
<tr>
<td>BIOL&amp; 241</td>
<td>Human Anatomy and Physiology 1</td>
<td>5</td>
</tr>
<tr>
<td>BIOL&amp; 242</td>
<td>Human Anatomy and Physiology 2</td>
<td>5</td>
</tr>
<tr>
<td>BIOL&amp; 260</td>
<td>Microbiology</td>
<td>5</td>
</tr>
</tbody>
</table>
Programs of Study

Central Programs of Study

SEATTLE COLLEGES 2018-2019 CATALOG

Central

DHY 300 Clinical Dental Hygiene II........ 4
DHY 301 Clinical Dental Hygiene III....... 4
DHY 302 Clinical Dental Hygiene IV....... 8
DHY 303 Fundamentals of Dental Hygiene II.3
DHY 304 Fundamentals of Dental Hygiene III .2
DHY 305 Fundamentals of Dental Hygiene IV .2
DHY 306 Restorative Practice & Materials I (Didactic) .2
DHY 307 Restorative Practice & Materials I (Lab) ....1
DHY 308 Restorative Practice & Materials Theory II ....2
DHY 309 Restorative Practice & Materials II .....1
DHY 310 Advanced Restorative Practice I ...2
DHY 311 Pain Control Anesthesia .......... 2
DHY 312 Pain Control Anesthesia Practice ...2
DHY 313 Periodontology I .......... 3
DHY 314 Dental Radiology II ........... 2
DHY 315 Dental Radiology II Practice ......1
DHY 318 Oral Pathology ................ 2
DHY 323 Pharmacology .................. 3
DHY 391 Community Dental Health I ....... 1
DHY 400 Advanced Practicum in Dental Hygiene I .8
DHY 401 Advanced Practicum in Dental Hygiene II .8
DHY 402 Advanced Practicum in Dental Hygiene III .8
DHY 404 Principles of Dental Hygiene Practice I ....3
DHY 405 Principles of Dental Hygiene Practice II ...2
DHY 406 Principles of Dental Hygiene Practice III ....1

DHY 407 Strategies of Capstone Project .......1
DHY 408 Capstone ....................... 1
DHY 409 Ethics and Jurisprudence ...........2
DHY 410 Advanced Restorative Practice II ...2
DHY 411 Advanced Restorative Practice III ....2
DHY 412 Advanced Restorative Practice IV ....2
DHY 413 Periodontology II ............ 2
DHY 414 Selective Populations ............. 1
DHY 415 Selective Populations Practice ........1
DHY 416 Professional Issues .............. 1
DHY 419 Community Dental Health II ....... 2
DHY 420 Community Dental Health III ....... 1

TOTAL PROGRAM CREDITS 195

Total required credits for B.A.S. degree (195 credits) includes prerequisite credits (65 credits total).

Allied Health A.A.S.-T degree awarded at completion of 95 credits (total includes prerequisite credits).

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

Health Care Service Management Bachelor of Applied Science (B.A.S.) Degree in Allied Health

Health Care and Human Services Division

Are you an experienced health care professional with an associate degree interested in health care administration? Seattle Central’s Bachelor of Applied Science (B.A.S.) in Allied Health: Health Care Services Management program will help you develop the knowledge and skills needed to advance in this in-demand profession.

With this degree, you will be qualified for positions such as health care services manager and health care administrator. Additionally, this program will prepare you to play critical roles in planning, coordinating, and supervising service delivery in a variety of health care settings, including:

- Hospitals
- Medical care facilities
- Nursing homes
- Health care organizations
- Other health facilities

PREREQUISITES

- A minimum of one year of full-time health care work experience (or the equivalent) within the last five years
- An associate degree from a regionally accredited college or university with at least a 2.5 overall GPA
  - Acceptable degrees include the following: A.A.S.-T or A.A.S. degree in an allied health field or an approved business field, A.A., A.S., A.B., B.A., or B.S. degree
- Completion of ENGL&101 with at least a 2.0
- Math eligibility demonstrated in one of the following ways:
  - Completion of MATH&146 or another approved statistics class with a grade of at least 2.0 in the past five years
  - Current eligibility for MATH&146 or MATH 136
**GENERAL EDUCATION**
The following courses must be completed with a grade of at least 2.0.

ENGL& 101 English Composition ................... 5
ENGL& 102 Composition II ........................... 5
HUM 105 Intercultural Communication ............. 5

Following can be substituted:
- CMST 205 Multicultural Communication ........... 5
- MATH& 146 Introduction to Statistics ............... 5
  - OR- PSYC 217 Intro to Probability & Statistics
    for Psychology ........................................... 5
  - OR- BUS 210 Business & Economic Statistics ...... 5
  - OR- Equivalent statistics course

Lab Science (Taken from any BIOL or CHEM courses) ....... 5
Humanities course ......................................... 5

Visual, Literary, and Performing Arts requirement

Natural Science course .................................... 5
The Natural World requirement

Social Science course ..................................... 10
Individuals, Cultures, and Societies requirement

Humanities, Social Science or Natural Science course .... 15
including Math or Computer Science course

**ELECTIVES**
The following courses must all be at the 100-level or above
and be completed with a grade of at least 2.0.

Allied Health credits (block if transferred) ........... 0-75
Approved business credits (block if transferred) ...... 0-75
Associate degree block transfer credits (if applicable) . 0-75
Other approved academic electives ....................... 0-75
No more than 15 credits of studio/performance VLPA credits will count toward the B.A.S. degree.

Other upper-division CHED, AHE, HSM, or ABS classes . . 0-75

**TOTAL PROGRAM CREDITS**

180

---

**Respiratory Care Bachelor of Applied Science (B.A.S.) Degree in Allied Health**

**Health Care and Human Services Division**

Respiratory Care is a health care specialty in the treatment and management of patients with cardiopulmonary disorders. The eight-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 Bachelor of Applied Science (B.A.S.) degree and is fully accredited by the Committee on Accreditation for Respiratory Care.

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.

Note: Program courses are under frequent review to maintain industry relevancy. Please check with division for current program guidelines.

**PREREQUISITES**

Prerequisite credits (60 total) are included in the total credits required for degree

Biol& 241 Human Anatomy and Physiology 1 ........... 5
Chem&121 Intro to Chemistry ............................ 5
Chem&122 Introduction to Organic Chemistry ........... 5

Following can be substituted:
- Chem 131 Intro to Organic Chemistry
- and Biochemistry ........................................... 5

EnGL& 101 English Composition .......................... 5
EnGL& 102 Composition II .................................. 5

HUM 105 Intercultural Communication .................... 5

Following can be substituted:
- CMST 205 Multicultural Communication ............... 5

Math& 146 Introduction to Statistics ..................... 5

Following can be substituted:
- Math 136 Inferential Statistics ............................ 5

Psyc& 100 General Psychology ............................. 5

Following can be substituted:
- Psyc& 200 Lifespan Psychology ............................. 5

Social Science Elective ..................................... 5

See Advising Center for approved courses.

Humanities Electives ....................................... 5

See Advising Center for approved courses.

**TECHNICAL SPECIALTY COURSES**

Upon completion of the courses listed below and prerequisites courses (90 credits total), Allied Health Associate of Applied Science - T Degree (A.A.S.-T) can be awarded.

AHE 128 Introduction to Health Care Practice ........... 4
AHE 129 Introduction to Health Care Applied Practice . . 1
AHE 168 Medical Terminology ............................. 5
AHE 202 Respiratory Care Orientation ..................... 1
AHE 209 Introduction to Respiratory Care ................. 2
AHE 213 Respiratory Care Clinical Assessment .......... 2
### Health Care and Human Services

#### Bachelor of Applied Science (B.A.S.) Degree

**Health Care and Human Services Department**

The bachelor's degree in Applied Behavioral Science creates a continuing educational and professional pathway for students with the Associate of Applied Science degree. It is designed specifically for people in the human services professions, such as:

- Social services
- Early childhood education/child welfare
- Chemical dependency counseling
- Family support services
- Public/community health
- Prevention and early intervention
- Interpreting/translation services

With the baccalaureate option, students are able to move from short-term certificates and related degrees to further foundational and specialized coursework, creating access to multiple high demand jobs within many areas of applied behavioral sciences.

#### PREREQUISITES

Meet a minimum GPA requirement of 2.5.

Have completed a two year degree (such as an A.A.S., A.A.S.–T, A.T.A., A.A.A.) in Social and Human Services, Child and Family Studies, Interpreter Training, or a related human services degree.

Be eligible for Math 098 (Intermediate Algebra).

#### TECHNICAL SPECIALTY COURSES

The following courses required for Bachelor of Applied Science Degree (B.A.S.):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHE 215</td>
<td>Basic Pharmacology</td>
<td></td>
</tr>
<tr>
<td>AHE 217</td>
<td>Cardiopulmonary Anatomy and Physiology</td>
<td></td>
</tr>
<tr>
<td>AHE 218</td>
<td>Basic Therapeutic Approaches</td>
<td></td>
</tr>
<tr>
<td>AHE 219</td>
<td>Basic Therapeutic Approaches and Technique</td>
<td></td>
</tr>
<tr>
<td>BUS 100</td>
<td>Fundamentals of Supervision</td>
<td></td>
</tr>
</tbody>
</table>

Following can be substituted:

- BUS 103 Personnel/Human Resource Management 5

#### TOTAL PROGRAM CREDITS 180

Total required credits for B.A.S. degree (180 credits) includes prerequisite credits (60 credits total).

(Allied Health A.A.S.-T degree awarded at completion of 90 credits - includes prerequisite credits)

Note: Eligibility for graduation requires a minimum 2.0 GPA in all technical specialty and related instruction courses, including prerequisite courses.

The Respiratory Care B.A.S. degree track can help you meet the requirements to apply to UW School of Medicine’s MEDEX Northwest Physicians Assistant training program.

For more information, email healthcare.seattlecentral.edu/programs/respiratory-care.
Humanities & Arts course ................. 5
Following can be substituted: Social Science course .5
College Level MATH course (e.g., MATH& 107, MATH 136)

HUMAN SERVICES CORE
Minimum GPA requirement of 2.0
Choose required 30 credits from one of the three options below:

HUMAN SERVICES CORE - OPTION 1:
SOCIAL/HUMAN SERVICES
SHS 100 Introduction to Human Services ...... 5
SHS 103 Social Welfare Policy .................. 5
SHS 106 Principles of Interviewing and Counseling .... 5
SHS 108 Group Dynamics & Counseling ............ 5
SHS 197 Field Placement: Social and Human Services .3
SHS 198 Field Placement: Social and Human Services .5
SHS 199 Field Placement: Social and Human Services .5

HUMAN SERVICES CORE - OPTION 2: CHILD/FAMILY STUDIES
CFS 110 Developmentally Appropriate Activities Environment ................. 3
CFS 120 Physical & Intellectual Development ........ 3
CFS 130 Social/Emotional Development ............. 3
CFS 245 Partnerships with Diverse Families .......... 3
CFS 263 Children with Disabilities .................. 3
CFS 270 Child and Family Health ................... 3
CFS 284 Literacy Development for Children & Families ........................................ 3
Field Placement ........................................ 10

TOTAL REQUIRED CREDITS 8-10

HUMAN SERVICES CORE - OPTION 3: INTERPRETING/TRANSLATION
Ethics ............................................... 5
Cultural Studies (e.g. ASL 125 or ANTH& 206) ........... 5
World Language (e.g. ASL, Spanish, Arabic, Japanese) ...... 10
Field Placement ........................................ 10
Following can be substituted: 350 hours of documented translation/interpreting experience

ELECTIVES
An additional 50 credits of electives is required. These credits will be a combination of courses from the A.A.S. degree and additional courses taken during the A.B.S. degree program including the following A.B.S. elective course options below:
ABS 335 Human Services Practice .................. 5
ABS 420 Multicultural and Artistic Expression ........ 5
TOTAL PROGRAM CREDITS 180

Information Technology: Networking

Information Technology Programs
The B.A.S. in IT Networking (B.A.S.-ITN) will help students prepare for network related jobs in IT, including computer and network administrators and network systems and security analysts. The degree will help meet the growing regional demand for employees with advanced certifications or skills, including: Cisco Certified Network Professionals (CCNP) Software Defined Networking (SDWAN); industry certifications in Microsoft SQL and SharePoint; supplemental skills in PERL; and fluency in advanced programming languages, mobile application security, and cloud-based hybrid environments. Along with these specific skills and certifications, general education in the curriculum will prepare graduates by developing the ability to communicate and build working relationships, solve problems, and plan and structure tasks while allocating time and resources effectively.

Bachelor of Applied Science (B.A.S.) Degree
Associate of Applied Science – Transfer (A.A.S.-T) Degree in Networking (98 credits)

PREREQUISITES
Full-time applicants to the B.A.S.-ITN program must possess a minimum of an A.A.S.-T degree in Networking from any one of the many options at regional two-year institutions or from other regionally accredited institutions. Additionally, applicants must have a cumulative GPA of at least 2.0 and a 2.5 or higher GPA in networking-related coursework.

Prior to acceptance into the B.A.S.-ITN, applicants will have completed the following coursework:

Networking Introduction (such as NET 120) ............5
Cisco I, II, III (CCNA)(such as NET 142, NET 144, NET 146) .15
Unix and Security (such as ITC 136, NET 138, ITC 151) ...15
General Education* .................................. 30
&#183 – English (e.g., ENGL&101 and ENGL&102) ........ 10
&#183 – Visual, Literary, and Performing Arts (VLPA)
(e.g., HUM 105) ........................................ 10
&#183 – Quantitative/Symbolic Reasoning [Q/SR]
(e.g., MATH&146) ...................................... 5
&#183 – Individual, Cultures, and Societies (ICS)
(e.g., PSYC&100) ...................................... 5
&#183 – Natural World (NW) (e.g., CSC 110 courses) 5

*A total of 60 credits will be required for the B.A.S. degree. It is suggested that 30 credits be earned prior to B.A.S. enrollment. Students who have not earned 30 credits as part of their A.A.S.-T degree will need to make an education plan with the program advisor to incorporate any course deficiencies into their B.A.S. degree plan.
TECHNICAL SPECIALTY COURSES
The following short-term certificates (15 credits each) can be awarded upon completion of the courses noted.
Linux (NTI 300, NTI 310, and NTI 320)
Cisco Certified Network Professional [CCNP] (NTI 340, NTI 350, and NTI 360)
Cloud Specialist (NTI 430, NTI 440, and NTI 470)

NTI 300 Linux and Enterprise Scripting Technologies ........ 5
NTI 310 Linux Applications ................................ 5
NTI 320 Optimizing and Monitoring of Enterprise Networks ........................................... 5
NTI 340 Software Defined Networking 1 ................. 5
NTI 350 CCNP II – Enterprise Switching ................. 5
NTI 360 CCNP III – Enterprise Troubleshooting .......... 5
NTI 400 Information Security for the Enterprise ........ 5
NTI 410 Network Security for the Enterprise .......... 5
NTI 430 Secure Content Management ................... 5
NTI 440 Devices and Services Cloud Environment .... 5
NTI 460 Practicum ........................................... 5
NTI 470 Capstone ........................................... 5

GENERAL EDUCATION
SSC 330 Information Literacy in IT .................... 5
CSC 110 Introduction to Computer Programming ...... 5
ECON& 201 Micro Economics ........................ 5
ECON&202 Macro Economics .......................... 5
PHIL& 106 Introduction to Logic ........................ 5
POLS& 203 International Relations .................... 5
Lab Science .................................................. 5

TOTAL PROGRAM CREDITS 180

Community Education Classes
(206) 934-5448
learnatcentral.org
Continuing Education classes are focused on lifelong learning needs for personal enrichment. These programs respond to current community needs through seminars, workshops, and classes that are noncredit and may range from a one-evening, three-hour offering to quarter-long classes.

Professional Education Classes and Certificates
(206) 934-5448
learnatcentral.org
Continuing Education offers a number of short-term certificate programs to help upgrade skills or prepare people for a career change. Certificates are offered in AutoCAD, Data Analysis, Fundamentals of Distilling, Medical Marijuana Consultant, Nutritional Therapy, and TESOL. Visit the website for a complete list.

Corporate & Customized Contract Training
(206) 934-5448
learnatcentral.org
Business and industry can select from a range of management and employee training programs and development services through corporate and customized contract training offered by all of the colleges. Courses may be held at the employer’s site or at the Seattle Colleges.

Cooperative Education & Service Learning
seattlecentral.edu/coop
The office of Cooperative Education and Service Learning provides students with a variety of resources and opportunities to enhance their academic, professional, and personal growth; leadership development; and sense of civic responsibility.
Cooperative Education Program

(206) 934-6998

Cooperative Education is an educational program offered to students enrolled in college transfer or workforce education programs. Students are able to earn credit for their jobs (with permission), paid or unpaid internships, volunteer service to the community, and/or international travel/study experiences.

**WORK EXPERIENCE/COOPERATIVE EDUCATION COURSES**

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Description</th>
<th>Credit range</th>
<th>Total required credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHE 197</td>
<td>Work Experience – Allied Health</td>
<td>1-5</td>
<td>2-5</td>
</tr>
<tr>
<td>AHE 198</td>
<td>Work Experience – Allied Health</td>
<td>1-5</td>
<td>2-5</td>
</tr>
<tr>
<td>AHE 199</td>
<td>Work Experience – Allied Health</td>
<td>1-5</td>
<td>2-5</td>
</tr>
<tr>
<td>BIOL 197</td>
<td>Work Experience – Biology</td>
<td>1-5</td>
<td>3-5</td>
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<tr>
<td>BUS 197</td>
<td>Work Experience – Business Occupations</td>
<td>1-15</td>
<td>2-15</td>
</tr>
<tr>
<td>CHEM 197</td>
<td>Cooperative Work Experience</td>
<td>1-5</td>
<td>2-5</td>
</tr>
<tr>
<td>CIS 197</td>
<td>Work Experience – Computer Information Systems</td>
<td>1-5</td>
<td>2-5</td>
</tr>
<tr>
<td>CMS 197</td>
<td>Community Service</td>
<td>1-3</td>
<td>2-3</td>
</tr>
<tr>
<td>CMS 198</td>
<td>Community Service/Volunteer</td>
<td>1-3</td>
<td>2-3</td>
</tr>
<tr>
<td>CMS 199</td>
<td>Community Service</td>
<td>1-3</td>
<td>2-3</td>
</tr>
<tr>
<td>CWE 197</td>
<td>Work Experience – Cooperative Education</td>
<td>1-15</td>
<td>2-15</td>
</tr>
<tr>
<td>CWE 198</td>
<td>Work Experience – Cooperative Education</td>
<td>1-15</td>
<td>2-15</td>
</tr>
<tr>
<td>CWE 199</td>
<td>Work Experience – Cooperative Education</td>
<td>1-15</td>
<td>2-15</td>
</tr>
<tr>
<td>DES 197</td>
<td>Work Experience – Graphic Design</td>
<td>1-5</td>
<td>2-5</td>
</tr>
<tr>
<td>EDUC 197</td>
<td>Work Experience – Education</td>
<td>1-5</td>
<td>2-5</td>
</tr>
<tr>
<td>EDUC 198</td>
<td>Work Experience – Education</td>
<td>1-5</td>
<td>2-5</td>
</tr>
<tr>
<td>EDUC 199</td>
<td>Work Experience – Education</td>
<td>1-5</td>
<td>2-5</td>
</tr>
<tr>
<td>HDC 197</td>
<td>Leadership Practice and Application</td>
<td>1-3</td>
<td>2-3</td>
</tr>
<tr>
<td>HOS 197</td>
<td>Work Experience – Food and Hospitality</td>
<td>1-15</td>
<td>2-15</td>
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<td>HUM 197</td>
<td>Work Experience – Humanities</td>
<td>1-15</td>
<td>2-15</td>
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<td>ITL 197</td>
<td>International Cooperative Education</td>
<td>1-5</td>
<td>2-5</td>
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<tr>
<td>ITL 198</td>
<td>International Cooperative Education</td>
<td>1-5</td>
<td>2-5</td>
</tr>
<tr>
<td>PHO 197</td>
<td>Work Experience – Photography</td>
<td>1-5</td>
<td>2-5</td>
</tr>
</tbody>
</table>

**Service Learning**

Service-learning integrates community service and academic instruction by focusing on critical reflective thinking and civic responsibility to enhance the learning experience. The Cooperative Education and Service Learning Office lists internship, volunteer, and service learning opportunities as a resource for students and also provides access to organizations that recruit on campus.

**Travel/Study Courses**

(206) 934-6998

seattlecentral.edu/coop/travel_courses.php

Seattle Central provides students (resident and non-resident) with an opportunity to earn credit for various international travel/study experiences. Students can earn credit for language enhancement, research, or work/internship/volunteer activities. The website lists possible credit courses. Students are charged a per-course fee.

**Basic & Transitional Studies Division**

(206) 934-4180

seattlecentral.edu/basic

Basic studies courses provide instruction for those who want to improve their English, to improve basic verbal and math skills, to earn a high school diploma or GED in order to get better jobs, to continue their education and prepare for college-level work, or to enter college while still in high school. Each of the programs in this area is designed to meet a particular set of student needs.
Bridge to College/Pre-College Programs

BRIDGE TO COLLEGE PROGRAMS:
- Developmental Education
- English as a Second Language – Advanced Levels
- Concurrent High School/College Programs

PRE-COLLEGE PROGRAMS:
- Adult Basic Education
- ESL – Beginning & Intermediate Levels
- GED Preparation
- HS21+
- High School Completion

Bridge to College Programs

Developmental Education

English, Mathematics, and Human Development Courses

Many students entering college or returning after some time away from studies need additional work to prepare for college-level courses. For these students, the Seattle Colleges offer a series of courses in English, mathematics and human development. Placement in one or more of these courses is determined by performance on placement tests required for admission to the specific college program or courses. Courses in this category are those numbered below 100. They are described in the course description sections for English (ENGL), mathematics (MATH), and human development (HDC). For more information contact the Basic & Transitional Studies division counselor at (206) 934-4180.

English as a Second Language

Transitional ESL

Placement in transitional ESL classes (ESL 096-099) is done by the ESL College Success test. These courses prepare students for college-level work with increasing emphasis on note-taking, composition, oral presentation, and class discussion at high levels. Although these classes do not count as credit for college-level work, ESL 096-099 can be covered by financial aid. Tuition for these classes is the same as regular tuition.

For information on more basic ESL classes (Levels 1 through 5), see page 23.

NOTE: International Students should take ESL classes through International Programs, page 27.

Concurrent High School/College Programs

Running Start
(206) 934-3820
seattlecentral.edu/runstart

Eligible junior and senior high school students can earn high school and college credit simultaneously by taking courses at Seattle Central at reduced or free tuition.

See page 22 for more information.

Pre-College Programs

Adult Basic Education
seattlecentral.edu/basic/abe

Adult Basic Education (ABE) classes are for adults who already know English but wish to improve their basic reading, writing, and math skills. Students can start at a level matching their current skills and progress at their own pace. Classes in basic math and reading, writing, and communication skills are designed to help adults become more self-sufficient, improve their job prospects, prepare for high school equivalency options, such as the General Education Development (GED) or qualify for entry into post-secondary education programs. Course descriptions are listed under ABE and/or GED. Classes are noncredit. Tuition is currently $25 per quarter (subject to change).

English as a Second Language (ESL)

English as a Second Language (ESL) classes, Levels 1 through 5, are offered to help non-native speakers communicate in English and increase their understanding of American culture. Conversation, pronunciation, reading, writing, and grammar are taught through topics important to adult students. These noncredit courses cost $25 per quarter tuition (subject to change). Course descriptions are found under ESL. When students complete ESL level 5, they can move to the Transitional ESL level, ESL 096-099, which concentrate on college-preparation skills.
GED® Preparation

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, 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 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 GED. Tuition is $25 per quarter (subject to change).

See page 23 for more information.

High School 21+

HS21+ is a competency-based option for adults age 21 or older to earn the Washington state high school diploma. This program is offered at Washington’s community and technical colleges. Each college has designed its own program; the requirements and pathways are not standardized across the colleges. Tuition is $25 per quarter (subject to change).

High School Completion

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 working toward a high school diploma should obtain a copy of the Requirements for the High School Diploma brochure from the Admissions Office for complete information.

See page 24 for details about the diploma options and possible tuition waiver for high school completion.

6 eLearning/Distance Education

(206) 934-4060
seattlecentral.edu/distance/

The eLearning/Distance Education Office at Central provides information and support services for students taking online, hybrid, self-paced, seminar, and video courses. Students taking eLearning courses experience the same curriculum, content, and challenges as on-campus courses while benefiting from the flexibility of fewer or no campus visits.

See page 25 for information on eLearning/distance education options.

7 International Programs

Institute of English

(206) 934-3893
intl.seattlecentral.edu/institute-of-english

The Seattle Central Institute of English (SCIE) is a self-supporting intensive academic English 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 English language skills for personal or business use in their home countries.

See page 26 for further information.

Travel/Study Abroad

(206) 934-6966
seattlecolleges.edu/international/studyabroad.aspx
Worker Retraining Program

(206) 934-3854
seattlecentral.edu/worker-retraining

Worker retraining at Seattle Central College is a package of services, opportunities, and specialized instructional programs to help candidates return to work as soon as possible. A person may be eligible for worker retraining assistance if he or she:

- Is unemployed and is collecting Washington state unemployment benefits
- Has exhausted unemployment benefits in the past four years
- Has been working in the home, experiences a significant loss of income, and needs to re-enter the workforce
- Has received a WARN letter
- Has closed a business due to economic downturn
- Is working in a not-in-demand job (along with other criteria)
- Has lost a job because of a disaster
- Has separated from the military with an honorable discharge within the last 48 months
- Has suffered a loss of more than 50 percent of household income due to a divorce, separation, or death of a spouse or partner within the last 48 months

**WORKER RETRAINING BENEFITS INCLUDE:**

- Priority registration
- Tuition assistance
- High-wage, high-demand training programs
- Tutoring assistance
- Employment security staff on campus
- Assistance with TAA and CAT/TB paperwork
- Liaison to other agencies, programs and funding

See page 28 for additional information.
Seattle Central College offers degrees and certificates in more than 30 workforce education areas, including several Bachelor of Applied Science degrees. See page 17. 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. Several Professional Technical programs offer short-term training certificates; students may build skills and add certifications over time to progress in their fields. Contact the program office for information. Seattle Central College is accredited by the Northwest Commission on Colleges and Universities.

Allied Health

Health Care and Human Services Division
(206) 934-4347

The Associate of Applied Science degree in Allied Health was conceived as a bridge between health care certificates and an associate degree. The degree is designed to prepare students to enter the workplace in a health care career with advanced college-level skills in math, science, and humanities. Graduates are also eligible to transfer into one of Central’s B.A.S. degrees or to another college or university. The goal of this degree is to provide vertical career mobility for students with an Allied Health vocational training certificate or to provide technical skills to those who have general education credits. It provides a link between health care training and higher education at the baccalaureate level.

Certificate students (e.g., dental assistant, nursing assistant, medical assistant, and similar programs) will typically have 30 to 45 credits in a specialty or certificate major. They must have completed ENGL&101, MATH&146, HUM 105, and a BIOL or CHEM lab science prior to being accepted into the Allied Health associate degree program. To complete their associate degree in Allied Health, they must complete college distribution requirements and additional credits. Some of these courses may have prerequisites, so check with an advisor.

Students who do not come from a certificate program must complete college distribution requirements and 30 credits from approved allied health coursework (including a health care certificate program) plus other electives to make up 90 credits. Check with you advisor for appropriate electives.

For students just getting started on their journeys, we recommend the dual-degree guided pathways, in which students can earn two degrees at the same time without taking extra credits. Students can earn an Associate of Arts (A.A.-DTA) and Associate of Applied Science (A.A.S.-T) in Allied Health at the same time by earning 90 credits. Pathways can also include a degree emphasis in Global Health or Equity and Social Justice. These degree pathways can lead to the Community Health & Education and Health Care Services Management Bachelor of Applied Science (B.A.S.) in Allied Health programs. Please contact AlliedHealthBAS@seattlecolleges.edu for more information about the B.A.S. program.

**Related Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHE 126</td>
<td>Essential Skills in Health Care</td>
<td>2</td>
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<tr>
<td>AHE 128</td>
<td>Introduction to Health Care Practice</td>
<td>4</td>
</tr>
<tr>
<td>AHE 129</td>
<td>Introduction to Health Care Applied Practice</td>
<td>1</td>
</tr>
<tr>
<td>AHE 150</td>
<td>HIV/AIDS Education</td>
<td>0.5</td>
</tr>
<tr>
<td>AHE 151</td>
<td>Standard Precautions/First Aid</td>
<td>1</td>
</tr>
<tr>
<td>AHE 152</td>
<td>Health Care Provider CPR</td>
<td>1</td>
</tr>
<tr>
<td>AHE 165</td>
<td>Medical Terminology</td>
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<td>AHE 158</td>
<td>Medical Terminology</td>
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<tr>
<td>AHE 169</td>
<td>Introduction to Respiratory Care</td>
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<tr>
<td>ANTH 135</td>
<td>Introduction to Environmental Anthropology</td>
<td>5</td>
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<tr>
<td>ANTH 275</td>
<td>Medical Anthropology</td>
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<tr>
<td>BIOL 128</td>
<td>Survey of Human Anatomy &amp; Physiology</td>
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<td>BIOL &amp; 241</td>
<td>Human Anatomy and Physiology 1</td>
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<tr>
<td>BIOL &amp; 242</td>
<td>Human Anatomy and Physiology 2</td>
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<td>CMST 240</td>
<td>Introduction to Health Communication</td>
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<td>HEA 125</td>
<td>Health and Wellness</td>
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<td>HEA 150</td>
<td>Health and Human Sexuality</td>
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<td>HEA 160</td>
<td>Human Wellness and Fitness</td>
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<td>HEA 225</td>
<td>Global Health</td>
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<td>HEA 226</td>
<td>Advanced Global Health Seminar</td>
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<tr>
<td>HEA 228</td>
<td>Water Gender and Global Health</td>
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<td>PEC 181</td>
<td>Wellness Management</td>
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<tr>
<td>NUTR &amp; 101</td>
<td>Human Nutrition</td>
<td>5</td>
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<tr>
<td>SHS 150</td>
<td>HIV/AIDS Brief Risk Intervention</td>
<td>1</td>
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</tbody>
</table>
Central Supply Processing Short-Term Certificate

Allied Health Division

With this certification, you will be qualified to become a certified central supply and instrument technician. Medical staff depend on central supply and instrument technicians to provide them with the correct tools in order to administer the highest levels of patient care. They work in hospitals and clinics, sterilizing and packaging surgical instruments and maintaining supply inventories.

PREREQUISITE

Permission

TECHNICAL SPECIALTY COURSES

AHE 126 Essential Skills in Healthcare .................... 2
AHE 140 Central Supply/Instrument Technician ........... 10

TOTAL PROGRAM CREDITS 12

Dental Auxiliary (Expanded Function) Short-Term Certificate

Allied Health Division

The Expanded Function Dental Auxiliary (EFDA) are used primarily in community health clinics to increase the delivery of restorations, allowing dentists to increase their productivity in delivering these services to the community. Currently, registered dental hygienists are licensed to perform these restorative duties; however, they remain underutilized in this capacity because traditional periodontal care is in high demand. Only about 30 percent of registered dental hygienists are performing restorative functions.

TECHNICAL SPECIALTY COURSES

EFDA 100 Procedures I ................................... .1
EFDA 101 Restorative Lab I ................................ .3
EFDA 110 Dental Coronal Anatomy ....................... .2
EFDA 111 Dental Materials and Technique .............. .2
EFDA 200 Procedures II ................................... .1
EFDA 201 Restorative Clinic II ............................ .4
EFDA 202 WRED Preparation .............................. .3
EFDA 212 Ethics and Jurisprudence ........................ .1

TOTAL PROGRAM CREDITS 15

Apparel Design & Development Associate of Applied Science (A.A.S.) Degree

Business, Information Technologies & Creative Arts Division

The School of Apparel Design & Development at Central is the most technically oriented design program in the region, with a track record for training the region’s best fashion design talent. The comprehensive curriculum is aligned to current apparel industry trends to offer relevant technical and creative skills to prepare students to succeed in a competitive industry. Students earn an Associate of Applied Science degree upon completion of 93 credits of coursework over six quarters.

PREREQUISITES

APPRL 096 AD&D Skill Development 1 ....................... .2
APPRL 098 AD&D Skill Development 2 ....................... .2
APPRL 100 AD&D Skill Development 3 ....................... .2

TECHNICAL SPECIALTY COURSES

APPRL 101 Construction 1 – Professional Techniques .... .4
APPRL 102 Construction 2 – Professional Techniques .... .4
APPRL 103 Construction 3 – Professional Techniques .... .4
APPRL 104 Alterations and Fitting .......................... .4
APPRL 111 Patternmaking 1 – Flat Pattern and Drafting .... .4
APPRL 112 Patternmaking 2 – Draping ....................... .4
APPRL 113 Patternmaking 3 – Design by Flat Patternmaking .............................................. .4
APPRL 114 Patternmaking 4 – Pattern Alteration for Fit ........ .2
APPRL 130 Apparel Manufacturing .......................... .2
APPRL 131 Business Practices in Fashion .................. .3
APPRL 141 Design 1 – Principles of Design ............... .2
APPRL 142 Design 2 – Fabric Science and Textiles ............. 2
APPRL 143 Design 3 – Color and Palettes ..................... 2
APPRL 151 Computer Applications for Apparel Design 1 .. 3
APPRL 152 Computer Applications for Apparel Design 2 .. 3
APPRL 197 Work Experience in Apparel Design .......... 5
  Credit range: 1-8; Total required credits: 5
  Classes that meet the “related instruction” requirement.
APPRL 201 Ready-to-Wear Construction ..................... 4
APPRL 202 Active Sportswear Construction ................. 4
APPRL 211 Pattern Design for Ready-to-Wear ............ 4
APPRL 212 Pattern Design for Active Sportswear ....... 4
APPRL 221 Pattern Grading ......................... 4
APPRL 222 Computerized Pattern Grading ............... 4
APPRL 230 Portfolio and Resume Development ....... 4
  Classes that meet the “related instruction” requirement.
APPRL 241 Design 4 – Print and Pattern ............. 4
APPRL 242 Design 5 – Line Design .................... 4
APPRL 260 Fashion History .................. 3
APPRL 270 Final Line Design and Development ...... 8
RELATED INSTRUCTION
APPRL 298 Apparel Design Special Topics .............. 5
  Credit range: 1-5
TOTAL PROGRAM CREDITS  95

Business
Business, Information Technologies & Creative Arts Division

Small Business Accounting Short-Term Certificate

The Small Business Accounting Certificate emphasizes practical accounting and bookkeeping skills that will prepare the student for entry-level positions related to small business accounting and to support the accounting needs of the small business entrepreneur. The completion of the three course series will also prepare students for the Certified Bookkeeper exam.

PROGRAM CERTIFICATE OUTCOMES:
- Apply industry-standard accounting cycle and budgets
- Prepare financial statements with knowledge of commercial accounting software
- Implement internal procedures and accurate records to address rules and regulations related to taxes, audits, regulatory laws

TECHNICAL SPECIALTY COURSES
BTM 231 Applied Accounting I .................. 5
BTM 232 Applied Accounting II .................. 5
BTM 233 Applied Accounting III ............... 5
TOTAL PROGRAM CREDITS  15

Entrepreneurship Short-Term Certificate

The Entrepreneurship Certificate targets students who are interested in applying the ideas and fundamentals (skill sets) of successful entrepreneurs to a variety of organization structures. These include starting a new business, working for an early-stage startup, or implementing a new initiative in an existing organization (e.g., corporate, government, nonprofit).

TECHNICAL SPECIALTY COURSES
BUS 122 The Entrepreneur Toolkit .................. 3
BUS 129 Small Business Accounting ............ 5
BUS 134 Small Business Start-Up ................. 3
BUS 155 Small Business Marketing ............. 3
BUS 185 Small Business Management ............ 5
TOTAL PROGRAM CREDITS  19

Office Assistant Short-Term Certificate

The Office Assistant Certificate is the first in a series of short term training certificates within the Business Information Technology department. This certificate prepares students for entry-level jobs as member services representatives, customer relations associates, office assistants and front desk agents.

TECHNICAL SPECIALTY COURSES
BUS 113 Diversity Issues in Business ............. 3
BUS 131 Integrated Communications I ............ 5
BUS 140 Customer Relations .................... 5
BUS 170 Information Technology I ............... 4
TOTAL PROGRAM CREDITS  17

Office Professional Short-Term Certificate

A short term, intensive BIT office skills certificate for entry level workers or established workers seeking updated skills

TECHNICAL SPECIALTY COURSES
BUS 103 Personnel/Human Resource Management .... 3
BUS 172 Information Technology III ............... 4
BUS 182 Information and Database Management ...... 5
BUS 216 Professional Development ................ 5
TOTAL PROGRAM CREDITS  17

Office Support Short-Term Certificate

A short-term, intensive BIT office skills certificate for workers with some employment experience who wish to update skills and advance along their career track

TECHNICAL SPECIALTY COURSES
BUS 100 Fundamentals of Supervision ............ 3
BUS 116 Business Math/Spreadsheets ............. 5
BUS 132 Integrated Communications II .......... 5
BUS 171 Information Technology II ............... 4
TOTAL PROGRAM CREDITS  17
Business Technology Management

STEM-B Division Certificate

The Business Technology Management (formerly Business Information Technology) program prepares students for employment in a wide range of industry specialties requiring information technologies, effective communications, customer relations, and organizational management. The integrated, cross-disciplinary curriculum emphasizes business project-based learning, information literacy, diversity, and professionalism.

OPTIONAL PREREQUISITE

BTM 098 Computing Essentials – Students who do not have a strong background in the use of computers for daily tasks such as email, internet browsing, or basic software applications are encouraged to take BTM 098 as a foundation for in program software-based coursework.

MANDATORY PREREQUISITES

MATH 081, ENGL 096 or test out may substitute for prerequisite courses listed. Students who enroll in all 11 credits, will be advised to take a specific HDC course to support learning.

BTM 108 Applied Business Math I ................. 3
BTM 109 Business Communications I ............... 5

TECHNICAL SPECIALTY COURSES

BTM 100 Orientation and Career Exploration .......... 2
BTM 111 Business Applications I .................. 5
BTM 112 Business Applications II – Data Analysis W/Excel ................. 5
BTM 113 Business Applications III .................. 5
BTM 118 Applied Business Math II .................. 5
Following can be substituted:
MATH 081 Basic Math Skills ......................... 5
-OR- Test out required only
BTM 119 Business Communications II ................ 5
Following can be substituted:
ENGL 096 College Prep Writing III .................. 5
-OR- Test out required only
BTM 120 Customer Relations Management .......... 5
BTM 122 Professional Development ................. 5
BTM 197 Work Experience: Business Technology Management ................. 5
Total required credits: 3-5

TECHNICAL PROGRAM CREDITS 37-40

STEM-B Division Associate of Applied Science (A.A.S.) Degree

The Business Technology Management program (formerly Business Information Technology) prepares students for employment in a wide range of industry specialties requiring information technologies, effective communications, customer relations, and organizational management. The integrated, cross-disciplinary curriculum emphasizes business project-based learning, information literacy, diversity, and professionalism.

OPTIONAL PREREQUISITE

BTM 098 Computing Essentials – Students who do not have a strong background in the use of computers for daily tasks such as email, internet browsing, or basic software applications are encouraged to take BTM 098 as a foundation for in program software-based coursework.

MANDATORY PREREQUISITES

MATH 081, ENGL 096 or test out may substitute for prerequisite courses listed. Students who enroll in all 11 credits will be advised to take a specific HDC course to support learning.

BTM 108 Applied Business Math I ................. 3
BTM 109 Business Communications I ............... 5

TECHNICAL SPECIALTY COURSES

BTM 100 Orientation and Career Exploration .......... 2
BTM 111 Business Applications I .................. 5
BTM 112 Business Applications II – Data Analysis W/Excel ................. 5
BTM 113 Business Applications III .................. 5
BTM 118 Applied Business Math II .................. 5
Following can be substituted:
MATH 081 Basic Math Skills ......................... 5
-OR- Test out required only
BTM 119 Business Communications II ................ 5
Following can be substituted:
ENGL 096 College Prep Writing III .................. 5
-OR- Test out required only
BTM 120 Customer Relations Management .......... 5
BTM 122 Professional Development ................. 5
BTM 197 Work Experience: Business Technology Management ................. 5

TOTAL PROGRAM CREDITS 90

SPECIALIZATION COURSEWORK: OPTION 1

BTM 225 Marketing Fundamentals .................. 5
-OR- BTM 228 Small Business Management ........ 5
BTM 226 Small Business Startup .................... 3
-OR- BTM 227 Entrepreneurship Toolkit ............ 3
BTM 231 Applied Accounting I ...................... 5
BTM 278 Organizational Management .............. 5
BTM 240 Applied Database Design .................. 5
BTM 236 Supervision and Leadership .............. 5
-OR- BTM 237 Human Resources Management .... 5
BTM 245 Process Management ....................... 5
BTM 260 Project Management ....................... 5
-OR- BTM 265 Operations Management ............ 5
Electives ......................................... 7

SPECIALIZATION COURSEWORK OPTION 2: TRACK OPTION

Students pick the track they are most interested in. Electives should be discussed with advisor prior to enrollment.

USER SUPPORT TRACK

BTM 240 Applied Database Design ................. 5
ITC 134 Intro to Software Development & Version .......... 5
ITC 140 Introduction to Computer Hardware ........ 5
NET 120 Network Essentials ....................... 5
CIS 197 Internship .................................... 5
Electives ......................................... 20
ENTREPRENEURSHIP TRACK

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<td>BTM 226</td>
<td>Small Business Startup</td>
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<tr>
<td>BTM 225</td>
<td>Marketing Fundamentals</td>
<td>.5</td>
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<tr>
<td>BTM 227</td>
<td>The Entrepreneur Toolkit</td>
<td>.3</td>
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<tr>
<td>BTM 228</td>
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<td><strong>TOTAL PROGRAM CREDITS</strong></td>
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Chemical Dependency Specialist

Social & Human Services & Child & Family Studies

The Chemical Dependency Specialist program provides training for students interested in working with those affected by addiction to alcohol and other drugs. The program meets Washington state educational requirements for Chemical Dependency Professional certification. State requirements include a minimum A.A.S. degree and 45 credits of chemical dependency specific curriculum (WAC 246-811-030). Additional Washington State Department of Health requirements must be satisfied to obtain certification. Consult the division counselor and/or the Washington State Department of Health before enrolling.

Students with a higher level of formal education may also obtain the 45 credits of chemical dependency curriculum through the Chemical Dependency Specialist program. A Washington state background check may be required for Field Practicum. A 2.0 GPA is required in all Chemical Dependency certificate courses.

Certificate

PREREQUISITES

Additional courses may be needed to meet state certification requirements. Consult the division counselor before enrolling.

Eligibility for the following classes:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
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<td>ENGL 101</td>
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<td>MATH 084</td>
<td>Algebra I</td>
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CORE COURSES

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<tbody>
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<td>SHS 106</td>
<td>Principles of Interviewing and Counseling</td>
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<tr>
<td>SHS 108</td>
<td>Group Dynamics &amp; Counseling</td>
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</table>

This course meets current minimum state requirements for registration as chemical dependency counselors with the Department of Health.

TECHNICAL SPECIALTITY COURSES

<table>
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<th>Title</th>
<th>Credits</th>
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<td>SHS 150</td>
<td>HIV/AIDS Brief Risk Intervention*</td>
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<tr>
<td>SHS 210</td>
<td>Intro to Diversity in Human Services Practice*</td>
<td>.3</td>
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<tr>
<td>SHS 215</td>
<td>Adolescent Development and Treatment*</td>
<td>.5</td>
</tr>
<tr>
<td>SHS 296</td>
<td>Human Services workshop</td>
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<tr>
<td>SHS 231</td>
<td>Pharmacology of Addictions</td>
<td>.5</td>
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<tr>
<td>SHS 232</td>
<td>Chemical Dependency and the Family*</td>
<td>.3</td>
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<tr>
<td>SHS 233</td>
<td>Chemical Dependency Counseling*</td>
<td>.5</td>
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<tr>
<td>SHS 235</td>
<td>Drug Addiction and Society*</td>
<td>.5</td>
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<td>SHS 270</td>
<td>Ethics in Human Services and Chemical Dependency*</td>
<td>.3</td>
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<tr>
<td>SHS 280</td>
<td>Chemical Dependency Case Management*</td>
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</tr>
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<td>SHS 296</td>
<td>Special Topics</td>
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<td><strong>TOTAL HUMAN SERVICES WORKSHOP CREDITS</strong></td>
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<tr>
<td><strong>TOTAL PROGRAM CREDITS</strong></td>
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</table>

Child & Family Studies

Social & Human Services & 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.

Certificate

PREREQUISITES

Eligibility for the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 101</td>
<td>English Composition</td>
<td>.5</td>
</tr>
<tr>
<td>MATH 084</td>
<td>Algebra I</td>
<td>.5</td>
</tr>
</tbody>
</table>

SPECIALIZATION CERTIFICATE COURSES

<table>
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<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>SHS 103</td>
<td>Social Welfare Policy</td>
<td>.5</td>
</tr>
<tr>
<td>SHS 106</td>
<td>Principles of Interviewing and Counseling</td>
<td>.5</td>
</tr>
</tbody>
</table>

Following can be substituted:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHS 108</td>
<td>Group Dynamics &amp; Counseling</td>
<td>.5</td>
</tr>
<tr>
<td>SHS 197</td>
<td>Field Placement: Social and Human Services</td>
<td>.3</td>
</tr>
</tbody>
</table>

Credit range: 2-5

Total required field placement credits: 3

RELATED INSTRUCTION COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 101</td>
<td>English Composition</td>
<td>.5</td>
</tr>
<tr>
<td>HUM 105</td>
<td>Intercultural Communication</td>
<td>.5</td>
</tr>
<tr>
<td>PSYC 200</td>
<td>Lifespan Psychology</td>
<td>.5</td>
</tr>
<tr>
<td>SOC 101</td>
<td>Introduction to Sociology</td>
<td>.5</td>
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</tbody>
</table>

Following can be substituted:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>SOC 250</td>
<td>Marriage, Family &amp; Intimate Relationships</td>
<td>.5</td>
</tr>
</tbody>
</table>
CULINARY ARTS

Seattle Culinary Academy
Hospitality & Culinary Arts Division

The Culinary Arts program is a six-quarter (certificate) or seven-quarter (A.A.S. degree) course of study. The curriculum builds on classical techniques by integrating the modern cooking styles and methods of a variety of international cuisines as well as seasonal Northwest cooking. Our focus is on sustainable principles and practices in order to teach our students about their impact on and responsibility for the environment and society. This education is enhanced by our campus greenhouse and Skagit Valley farm curricula.

Students learn to prepare appetizers, soups, sauces, salads, entrées, vegetables and starches, breads, pastries, and desserts. They also learn to identify and fabricate meat, poultry, and fish. In addition to cooking and pastry techniques, the program covers sanitation, nutrition, management, purchasing, costing, menu development, and food and wine pairing.

Seattle Central’s Culinary Arts program meets the needs of those new to food preparation as well as those who have industry experience and wish to develop a broader range of skills. Many of our students have a degree in another field and wish to make a career change.

Students may enter the program Fall, Winter, or Spring Quarter. The Associate of Applied Science (A.A.S.) degree may be granted with the completion of 16 additional elective credits. A cumulative GPA of 2.0 or higher in all core and related instructional courses is required to attain a Culinary Arts Certificate and/or A.A.S. degree.

The Seattle Culinary Academy’s certificate programs are accredited by the American Culinary Federation Education Foundation’s Accrediting Commission and have received exemplary status.

Certificate

PREREQUISITES

ENGL 105 Applied Composition
Following can be substituted:
ENGL&101 English Composition
MATH 110 Applied Math for Technicians
Following can be substituted: college level math

TECHNICAL SPECIALTY COURSES

BAK 105 Restaurant Baking: Theory
BAK 115 Restaurant Baking: Practicum
BAK 116 Fine Dining Baking: Practicum
CUL 101 Food Theory I
CUL 102 Food Theory II
CUL 103 Food Theory III
CUL 104 Food Theory IV
CUL 111 Introduction to Professional Cooking: Practicum
CUL 112 Quantity Cooking: Practicum
CUL 113 Restaurant Cooking: Practicum
CUL 114 International Cooking: Practicum
CUL 120 Introduction to Wine
CUL 151 Sustainable Food Systems Practices I
CUL 152 Sustainable Food Systems Practices II
CUL 153 Sustainable Food Systems Practices III
CUL 205 Advanced Culinary Theory
CUL 215 Advanced Culinary Practices
CUL 251 Buffet Catering & Garde Manger: Theory
CUL 255 Buffet Cater/Garde Manger: Practicum
HOS 101 Customer Service Practicum I
HOS 102 Customer Service Practicum II
HOS 103 Customer Service Practicum III
HOS 104 Customer Service Practicum IV
HOS 108 Dining Room and Kitchen Management
HOS 110 Principles of Sanitation

TOTAL PROGRAM CREDITS

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

CFS SPECIALIZATION AREA

Note: Students may take a total of 12 credits from the specialization areas listed below.

CFS 110 Developmentally Appropriate Activities
CFS 120 Physical & Intellectual Development
CFS 130 Social/Emotional Development
CFS 145 Activities to Foster Development in School-Age Years
CFS 155 Development During the Adolescent Years
CFS 180 Guiding Behavior & Social Development
CFS 208 Planning & Space Design for School-Age & Youth
CFS 215 Math and Science with Young Children
CFS 223 Physical Development in School-Age/Youth Program
CFS 225 Assessment & Programming
CFS 228 Childhood/Adolescent Sexuality & Education
CFS 245 Partnerships with Diverse Families
CFS 252 Violence Prevention
CFS 263 Children with Disabilities
CFS 270 Child and Family Health
CFS 280 Methods for Cultural Relevance/Anti-Bias: Child & Families
CFS 284 Literacy Development for Children & Families
CFS 290 Budget and Finance
CFS 296 Personnel and Supervision
CFS 299 Merit

TOTAL PROGRAM CREDITS 45

Eligibility for graduation requires a minimum 2.0 GPA in all required technical specialty and related instruction courses.
Associate of Applied Science Degree (A.A.S.)

Completion of Certificate: 101 credits

PREREQUISITES

ENGL 105 Applied Composition ................. 3
ENGL&101 English Composition ................. 5
MATH 110 Applied Math for Technicians ........ 3

TECHNICAL SPECIALTY COURSES

BAK 105 Restaurant Baking: Theory ............ 1.5
BAK 115 Restaurant Baking: Practicum ........... 1
BAK 116 Fine Dining Baking: Practicum ........ 1
BAK 117 Introduction to Cheese Making ........... 1
BIOL 103 Nutrition for Food Service Professionals ... 3
CUL 101 Food Theory I .......................... 6
CUL 102 Food Theory II ........................ 5
CUL 103 Food Theory III ........................ 4
CUL 104 Food Theory IV ........................ 6
CUL 111 Introduction 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 .................... 1
CUL 151 Sustainable Food Systems Practices I .... 1
CUL 152 Sustainable Food Systems Practices II ... 1
CUL 153 Sustainable Food Systems Practices III ... 1
CUL 205 Advanced Culinary Theory ............... 1
CUL 215 Advanced Culinary Practices ............. 4.5
CUL 251 Buffet Catering & Garde Manger: Theory ... 4
CUL 255 Buffet Cater/Garde Manger: Practicum .... 8
HOS 101 Customer Service Practicum I .......... 1
HOS 102 Customer Service Practicum II .......... 1
HOS 103 Customer Service Practicum III .......... 1
HOS 104 Customer Service Practicum IV .......... 1
HOS 108 Dining Room and Kitchen Management ... 4
HOS 110 Principles of Sanitation .................. 3
HOS 111 Introduction to Customer Service: Theory ... 1
HOS 112 Spreadsheet for Hospitality .......... 1
HOS 122 Purchasing and Inventory: Theory ....... 1
HOS 123 Food Costing Principles and Application ... 1
HOS 124 Computerized Menu Planning .......... 2
HOS 201 Functions of Management ............... 2

TOTAL CREDITS: 101

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

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

TOTAL CREDITS: 117

TECHNICAL SPECIALTY COURSES

BAK 105 Restaurant Baking: Theory ............ 1.5
BAK 115 Restaurant Baking: Practicum ........... 1
BAK 116 Fine Dining Baking: Practicum ........ 1
BAK 117 Introduction to Cheese Making ........... 1
BIOL 103 Nutrition for Food Service Professionals ... 3
CUL 101 Food Theory I .......................... 6
CUL 102 Food Theory II ........................ 5
CUL 103 Food Theory III ........................ 4
CUL 104 Food Theory IV ........................ 6
CUL 111 Introduction 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 .................... 1
CUL 151 Sustainable Food Systems Practices I .... 1
CUL 152 Sustainable Food Systems Practices II ... 1
CUL 153 Sustainable Food Systems Practices III ... 1
CUL 205 Advanced Culinary Theory ............... 1
CUL 215 Advanced Culinary Practices ............. 4.5
CUL 251 Buffet Catering & Garde Manger: Theory ... 4
CUL 255 Buffet Cater/Garde Manger: Practicum .... 8
HOS 101 Customer Service Practicum I .......... 1
HOS 102 Customer Service Practicum II .......... 1
HOS 103 Customer Service Practicum III .......... 1
HOS 104 Customer Service Practicum IV .......... 1
HOS 108 Dining Room and Kitchen Management ... 4
HOS 110 Principles of Sanitation .................. 3
HOS 111 Introduction to Customer Service: Theory ... 1
HOS 122 Purchasing and Inventory: Theory ....... 1
HOS 123 Food Costing Principles and Application ... 1
HOS 124 Computerized Menu Planning .......... 2
HOS 201 Functions of Management ............... 2
MIC 102 Using Computers I ..................... 1
**RELATED INSTRUCTION**
Total of 20 credits is derived from three Related Instruction areas.

ENGL& 101 English Composition ................... 5

**RELATED INSTRUCTION - QUANTITATIVE SKILLS**
College-level Math with MATH 098 prereq.
Choose 5 credits (one course) from the following:
MATH& 107 Math in Society ........................... 5
MATH& 146 Introduction to Statistics ................. 5

**RELATED INSTRUCTION - SCIENCE, SOCIAL, OR HUMAN**
Choose 10 credits (two courses) from the following:
ANTH& 206 Cultural Anthropology .................. 5
ANTH 275 Medical Anthropology ..................... 5
BIOL& 160 General Biology w/Lab .................... 5
CHEM& 121 Intro to Chemistry ....................... 5
CMST& 101 Introduction to Communication ......... 5
HUM 105 Intercultural Communication ............... 5
NTR 150 Human Nutrition ........................... 5
PSYC& 100 General Psychology ..................... 5

SCIENCE, SOCIAL OR HUMAN CREDITS 10
TOTAL PROGRAM CREDITS 119

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**Culinary Arts: Specialty Desserts & Breads**
Seattle Culinary Academy
Hospitality & Culinary Arts Division

Specialty Desserts & Breads program features comprehensive “hands-on” and step-by-step training to prepare students to be professional bakers or pastry chefs.

Learn to create rustic artisan breads and doughs, plated desserts, decorative cakes, and mouthwatering pastries. Explore European specialties such as tarts, mousses, truffles, and petit fours. Discover the fine art of wedding cakes and cake decorating. Learn chocolate work with demonstrations on pulled and blown sugar, intricate decoration, and showpieces.

Classroom theory instruction includes “hands-on” experience in how to serve breads and desserts for two on-campus restaurants and in our pastry shop.

Sustainable practices are integrated throughout the program, especially in food preservation and cheese production courses. Learn the value of buying seasonally and locally storing the bounties of the summer harvest and purchasing milk from local dairies.

The Specialty Desserts & Breads certificate is accredited by the American Culinary Federation Education Foundation’s Accrediting Commission and received exemplary status.

Specialty Desserts & Breads is a five-quarter certificate program. Students may enter the program Fall, Winter, or Spring Quarter. The Associate of Applied Science (A.A.S.) degree can be earned with the completion of 16 additional elective credits. A cumulative GPA of 2.0 or higher in all core and related instructional courses is required to attain a Culinary Arts Certificate and/or A.A.S. degree.

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**Specialty Desserts & Breads Certificate**

**PREREQUISITES**

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<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
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<tr>
<td>MATH 110</td>
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Following can be substituted:
ENGL&101 English Composition

**TECHNICAL SPECIALTY COURSES**

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<th>Course</th>
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**RELATED INSTRUCTION**

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<td>PSYC 240</td>
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TOTAL PROGRAM CREDITS 78.5

**Specialty Desserts & Breads Associate of Applied Science Degree (A.A.S.)**

Completion of Certificate Requirements: 77.5 credits

**PREREQUISITES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 105</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>5</td>
</tr>
</tbody>
</table>

Following can be substituted:
ENGL&101 English Composition

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 105</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110</td>
<td>5</td>
</tr>
</tbody>
</table>

Following can be substituted: College level math
### TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAK 101</td>
<td>Intro to Desserts &amp; Breads: Theory</td>
<td>4</td>
</tr>
<tr>
<td>BAK 102</td>
<td>Bread and Food Preservation</td>
<td>3</td>
</tr>
<tr>
<td>BAK 103</td>
<td>Science and Practice of Baking with Chocolate</td>
<td>4</td>
</tr>
<tr>
<td>BAK 111</td>
<td>Introduction to Desserts &amp; Breads: Practicum</td>
<td>6</td>
</tr>
<tr>
<td>BAK 112</td>
<td>Beginning Desserts and Breads: Practicum</td>
<td>8</td>
</tr>
<tr>
<td>BAK 113</td>
<td>Intermediate Desserts and Breads: Practicum</td>
<td>8</td>
</tr>
<tr>
<td>BAK 117</td>
<td>Introduction to Cheese Making</td>
<td>1</td>
</tr>
<tr>
<td>BAK 123</td>
<td>Advanced Buffet Desserts/Wedding Cakes/Preservation – Theory</td>
<td>2</td>
</tr>
<tr>
<td>BAK 124</td>
<td>Advanced Buffet Desserts/Wedding Cakes/Preservation</td>
<td>8</td>
</tr>
<tr>
<td>BAK 125</td>
<td>Advanced Desserts and Breads: Practicum</td>
<td>8</td>
</tr>
<tr>
<td>BAK 126</td>
<td>Advanced Whole Grain Baking Theory</td>
<td>3</td>
</tr>
<tr>
<td>CUL 106</td>
<td>Introduction to Culinary Arts: Theory</td>
<td>1.5</td>
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<tr>
<td>CUL 116</td>
<td>Introduction to Culinary Arts: Practicum</td>
<td>1</td>
</tr>
<tr>
<td>CUL 120</td>
<td>Introduction to Wine</td>
<td>1</td>
</tr>
<tr>
<td>CUL 151</td>
<td>Sustainable Food Systems Practices I</td>
<td>1</td>
</tr>
<tr>
<td>CUL 152</td>
<td>Sustainable Food Systems Practices II</td>
<td>1</td>
</tr>
<tr>
<td>CUL 153</td>
<td>Sustainable Food Systems Practices III</td>
<td>1</td>
</tr>
<tr>
<td>HOS 101</td>
<td>Customer Service Practicum I</td>
<td>1</td>
</tr>
<tr>
<td>HOS 102</td>
<td>Customer Service Practicum II</td>
<td>1</td>
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<tr>
<td>HOS 122</td>
<td>Purchasing and Inventory: Theory</td>
<td>1</td>
</tr>
<tr>
<td>HOS 201</td>
<td>Functions of Management</td>
<td>2</td>
</tr>
</tbody>
</table>

### GENERAL ELECTIVES

Choose 4 credits from any of the following:

- Social Science Elective                  | 5
- Humanities Electives                    | 5
- CSC course                              | 5
  - Natural Science of CSC class

### ALLIED SUPPORT ELECTIVES

Choose 12 credits from any of the following:

- CUL 299 Independent Projects/Culinary Arts | 5
- BUS course                                | 5
- CSC course                                | 5
- MIC course                                | 5
- College Transfer course                   | 5

### RELATED INSTRUCTION

**BIOL 103** Nutrition for Food Service Professionals | 3
**PSYC 240** Psychology of Human Relations | 3

### RELATED INSTRUCTION – QUANTITATIVE SKILLS

College-level Math with MATH 098 prereq.

Choose one course listed below:

- **MATH& 107** Math in Society | 5
- **MATH& 146** Introduction to Statistics | 5

### RELATED INSTRUCTION – SCIENCE, SOCIAL, OR HUMAN

Choose two from the following:

- **ANTH& 206** Cultural Anthropology | 5
- **BIOL& 160** General Biology w/Lab | 5
- **CHEM& 121** Intro to Chemistry | 5
- **CMST& 101** Introduction to Communication | 5
- **HUM 105** Intercultural Communication | 5
- **NTR 150** Human Nutrition | 5
- **PSYC& 100** General Psychology | 5

**TOTAL PROGRAM CREDITS** 94.5
ECE: State Early Childhood Education Certificate

Social & Human Services & Child & Family Studies

This program is part of the Washington State Career Lattice for Early Childhood Education (meets minimum child care licensing standards or registered apprentice in high school or equivalent and 20 hours of basic STARS/MERIT training or two college credits in basics of child care course and at least two hours of training in each of the ECE Core Competency areas) for early care and education professionals.

The State Early Childhood Education certificate is awarded following completion of the one of the specialized Early Childhood Short Certificates (total of 20 credits, which includes completion of the State Initial Early Childhood Education Certificate [12 credits] plus 27 credits in additional required coursework as noted).

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECED&amp; 160</td>
<td>5</td>
</tr>
<tr>
<td>ECED&amp; 170</td>
<td>3</td>
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<tr>
<td>ECED&amp; 180</td>
<td>3</td>
</tr>
<tr>
<td>ECED&amp; 190</td>
<td>3</td>
</tr>
<tr>
<td>EDUC&amp; 150</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS 47

ECE: State Initial Early Childhood Education Certificate

Social & Human Services & Child & Family Studies

The initial certificate is a point of entry or a continuation of professional development based on Level 1 on the Washington State Career Lattice (meets minimum child care licensing standards or registered apprentice in high school or equivalent and 20 hours of basic STARS/MERIT training OR 2 college credits in basics of child care course and at least two hours of training in each of the ECE Core Competency areas).

The initial certificate (Level 2, Step 5) is the first "stackable certificate," providing a foundation for the ECS state credential and association degree.

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECED&amp; 105</td>
<td>5</td>
</tr>
<tr>
<td>ECED&amp; 107</td>
<td>5</td>
</tr>
<tr>
<td>EDUC&amp; 120</td>
<td>2</td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS 12

ECE: State Short Early Childhood Education Certificate – Administration

Social & Human Services & Child & Family Studies

This program is part of the Washington State Career Lattice for Early Childhood Education (meets minimum child care licensing standards or registered apprentice in high school or equivalent and 20 hours of basic STARS/MERIT training or two college credits in basics of child care course and at least two hours of training in each of the ECE Core Competency areas) for early care and education professionals.
The State Short Early Childhood Education Certificate – Administration is awarded following completion of the State Initial Early Childhood Education Certificate (12 credits) plus eight credits in additional required coursework as noted.

**TECHNICAL SPECIALTY COURSES – INITIAL CERTIFICATE**
Completion of the courses listed below equals the State Initial ECE Certificate.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECED 105</td>
<td>Introduction to Early Childhood Education</td>
<td>5</td>
</tr>
<tr>
<td>ECED 107</td>
<td>Health Safety Nutrition</td>
<td>5</td>
</tr>
<tr>
<td>ECED 120</td>
<td>Practicum: Nurturing Relationships</td>
<td>2</td>
</tr>
</tbody>
</table>

**TECHNICAL SPECIALTY COURSES – SPECIALIZATION**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECED 139</td>
<td>Administration</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 115</td>
<td>Child Development</td>
<td>5</td>
</tr>
</tbody>
</table>

**TOTAL PROGRAM CREDITS** 20

---

**ECE: State Short Early Childhood Education Certificate – Family Child Care**
Social & Human Services & Child & Family Studies

This program is part of the Washington State Career Lattice for Early Childhood Education (meets minimum child care licensing standards or registered apprentice in high school or equivalent and 20 hours of basic STARS/MERIT training or two college credits in basics of child care course and at least two hours of training in each of the ECE Core Competency areas) for early care and education professionals.

The State Short Early Childhood Education Certificate – Family Child Care is awarded following completion of the State Initial Early Childhood Education Certificate (12 credits) plus 8 credits in additional required coursework as noted.

**TECHNICAL SPECIALTY COURSES – INITIAL CERTIFICATE**
Completion of the courses listed below equals the State Initial ECE Certificate.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECED 105</td>
<td>Introduction to Early Childhood Education</td>
<td>5</td>
</tr>
<tr>
<td>ECED 107</td>
<td>Health Safety Nutrition</td>
<td>5</td>
</tr>
<tr>
<td>ECED 120</td>
<td>Practicum: Nurturing Relationships</td>
<td>2</td>
</tr>
</tbody>
</table>

**TECHNICAL SPECIALTY COURSES – SPECIALIZATION**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECED 134</td>
<td>Family Child Care</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 115</td>
<td>Child Development</td>
<td>5</td>
</tr>
</tbody>
</table>

**TOTAL PROGRAM CREDITS** 20

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**ECE: State Short Early Childhood Education Certificate – General**
Social & Human Services & Child & Family Studies

This program is part of the Washington State Career Lattice for Early Childhood Education (meets minimum child care licensing standards or registered apprentice in high school or equivalent and 20 hours of basic STARS/MERIT training or two college credits in basics of child care course and at least two hours of training in each of the ECE Core Competency areas) for early care and education professionals.

The State Short Early Childhood Education Certificate – General is awarded following completion of the State Initial Early Childhood Education Certificate (12 credits) plus eight credits in additional required coursework as noted.

**TECHNICAL SPECIALTY COURSES – INITIAL CERTIFICATE**
Completion of the courses listed below equals the State Initial ECE Certificate.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECED 105</td>
<td>Introduction to Early Childhood Education</td>
<td>5</td>
</tr>
<tr>
<td>ECED 107</td>
<td>Health Safety Nutrition</td>
<td>5</td>
</tr>
<tr>
<td>ECED 120</td>
<td>Practicum: Nurturing Relationships</td>
<td>2</td>
</tr>
</tbody>
</table>

**TECHNICAL SPECIALTY COURSES – SPECIALIZATION**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 115</td>
<td>Child Development</td>
<td>5</td>
</tr>
<tr>
<td>EDUC 130</td>
<td>Guiding Behavior</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL PROGRAM CREDITS** 20

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**ECE: State Short Early Childhood Education Certificate – Infant Toddler Care**
Social & Human Services & Child & Family Studies

This program is part of the Washington State Career Lattice for Early Childhood Education (meets minimum child care licensing standards or registered apprentice in high school or equivalent and 20 hours of basic STARS/MERIT training or two college credits in basics of child care course and at least two hours of training in each of the ECE Core Competency areas) for early care and education professionals.

The State Short Early Childhood Education Certificate – Infant Toddler Care is awarded following completion of the State Initial Early Childhood Education Certificate (12 credits) plus eight credits in additional required coursework as noted.

**TECHNICAL SPECIALTY COURSES – INITIAL CERTIFICATE**
Completion of the courses listed below equals the State Initial ECE Certificate.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECED 105</td>
<td>Introduction to Early Childhood Education</td>
<td>5</td>
</tr>
<tr>
<td>ECED 107</td>
<td>Health Safety Nutrition</td>
<td>5</td>
</tr>
<tr>
<td>ECED 120</td>
<td>Practicum: Nurturing Relationships</td>
<td>2</td>
</tr>
</tbody>
</table>

**TECHNICAL SPECIALTY COURSES – SPECIALIZATION**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECED 132</td>
<td>Infants/Toddlers Care</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 115</td>
<td>Child Development</td>
<td>5</td>
</tr>
</tbody>
</table>

**TOTAL PROGRAM CREDITS** 20
ECE: State Short Early Childhood Education Certificate – School-Age Care
Social & Human Services & Child & Family Studies

This program is part of the Washington State Career Lattice for Early Childhood Education (meets minimum child care licensing standards or registered apprentice in high school or equivalent and 20 hours of basic STARS/MERIT training or two college credits in basics of child care course and at least two hours of training in each of the ECE Core Competency areas) for early care and education professionals.

The State Short Early Childhood Education Certificate – School-Age Care is awarded following completion of the State Initial Early Childhood Education Certificate (12 credits) plus eight credits in additional required coursework as noted.

**TECHNICAL SPECIALTY COURSES – INITIAL CERTIFICATE**
Completion of the courses listed below equals the State Initial ECE Certificate.

ECED& 105 Introduction to Early Childhood Education .... 5
ECED& 107 Health Safety Nutrition .......................... 5
ECED& 120 Practicum: Nurturing Relationships .......... 2

**TECHNICAL SPECIALTY COURSES – SPECIALIZATION**
EDUC& 115 Child Development .......................... 5
EDUC& 136 School Age Care ............................. 3

TOTAL PROGRAM CREDITS 20

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Graphic Design Associate of Applied Science (A.A.S.) Degree
Arts, Humanities, and Social Sciences

Graduates of the Graphic Design program get to work when they leave us. We concentrate on skills for immediate entry into the job market. Our curriculum is strong on graphic design fundamentals yet explores and adapts to emerging communication technologies. We pride ourselves on keeping our curriculum current with changes and developments on an annual basis.

Conceptual design and technical skill combine to produce a competitive portfolio. Instructors with industry experience lead students in consecutive integrated tracks of print design and interaction design, which includes but is not limited to Web Design, UI/UX, Mobile Apps, and Motion. Problem-solving, strategy development, and powerful use of typography and visuals achieve our communication solutions. Classes are organized in collegial work groups mirroring a professional studio environment. Design theory and practice, along with production using current computer software, prepare students for a graphic design career in print and interactive media.

**TECHNICAL SPECIALTY COURSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DES 110</td>
<td>History of Graphic Design</td>
<td>3.5</td>
</tr>
<tr>
<td>DES 121</td>
<td>Typography I</td>
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<tr>
<td>DES 122</td>
<td>Typography II</td>
<td>3.5</td>
</tr>
<tr>
<td>DES 131</td>
<td>Graphic Design I</td>
<td>3.5</td>
</tr>
<tr>
<td>DES 132</td>
<td>Graphic Design II</td>
<td>3.5</td>
</tr>
<tr>
<td>DES 133</td>
<td>Graphic Design III</td>
<td>3.5</td>
</tr>
<tr>
<td>DES 145</td>
<td>Graphic Production I</td>
<td>3.5</td>
</tr>
<tr>
<td>DES 146</td>
<td>Graphic Production II</td>
<td>3.5</td>
</tr>
<tr>
<td>DES 147</td>
<td>Graphic Production III</td>
<td>3.5</td>
</tr>
<tr>
<td>DES 151</td>
<td>Interactive I</td>
<td>3.5</td>
</tr>
<tr>
<td>DES 152</td>
<td>Interactive II</td>
<td>3.5</td>
</tr>
<tr>
<td>DES 153</td>
<td>Interactive III</td>
<td>3.5</td>
</tr>
<tr>
<td>DES 197</td>
<td>Work Experience-Graphic Design</td>
<td>3</td>
</tr>
</tbody>
</table>

Credit range: 2-5. Total required work experience credits for DES 197: 3

Following can be substituted:

DES 232 Graphic Design V .................................. 4
DES 223 is a book design class, while DES 232 is a magazine design class.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>DES 231</td>
<td>Graphic Design IV</td>
<td>4</td>
</tr>
<tr>
<td>DES 233</td>
<td>Graphic Design VI</td>
<td>4</td>
</tr>
<tr>
<td>DES 234</td>
<td>Graphic Design VII</td>
<td>4</td>
</tr>
<tr>
<td>DES 235</td>
<td>Graphic Design VIII</td>
<td>4</td>
</tr>
<tr>
<td>DES 236</td>
<td>Graphic Design IX</td>
<td>4</td>
</tr>
<tr>
<td>DES 249</td>
<td>Graphic Production IV</td>
<td>4</td>
</tr>
<tr>
<td>DES 251</td>
<td>Interactive IV</td>
<td>4</td>
</tr>
<tr>
<td>DES 252</td>
<td>Interactive V</td>
<td>4</td>
</tr>
<tr>
<td>DES 253</td>
<td>Interactive VI</td>
<td>4</td>
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<tr>
<td>DES 260</td>
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<tr>
<td>DES 270</td>
<td>Environmental Graphics I</td>
<td>5</td>
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<tr>
<td>DES 280</td>
<td>Special Projects I</td>
<td>4</td>
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<tr>
<td>DES 281</td>
<td>Special Projects II</td>
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<tr>
<td>DES 282</td>
<td>Special Projects III</td>
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</tbody>
</table>

**RELATED INSTRUCTION**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NME 110</td>
<td>New Media I</td>
<td>6</td>
</tr>
<tr>
<td>NME 120</td>
<td>New Media II</td>
<td>6</td>
</tr>
<tr>
<td>NME 130</td>
<td>New Media III</td>
<td>6</td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS 117

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Healthcare & Human Services

Care Navigation and Coordination Short-Term Certificate

Healthcare & Human Services Division

The Care Navigation and Coordination program is designed to prepare students to assist clients and patients in navigating the social services and health care systems and to be strong members of teams providing coordinated client- and patient-centered care. Students will learn about factors affecting patients such as chronic disease, behavioral health, wellness, and patient activation and engagement, as well as communication strategies such as patient/client coaching, motivational interviewing, and health literacy.
TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHS 121</td>
<td>Introduction to Care Navigation</td>
<td>5</td>
</tr>
<tr>
<td>SHS 123</td>
<td>Advanced Care Coordination and Navigation</td>
<td>5</td>
</tr>
<tr>
<td>SHS 122</td>
<td>Care Navigation: Systems of Care</td>
<td>5</td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS 30

Information Technology: Database Administration and Development

Information Technology Programs

The Information Technology three- to seven-quarter certificate and Associate of Applied Science – Transfer (A.A.S.-T) degree programs prepare students for an industry with a growing need for skilled technicians. IT offers certificates and/or degrees in six areas: Applications Support, Database Administration and Development, Mobile Product Development, Network Design and Administration, Programming, Web Design, and Web Development. Graduates can expect to find employment as help desk analysts, programmers, web designers and developers, software support specialists, application developers, network designers and administrators, database designers and administrators, and IT security specialists. Short-term certificates or industry certifications are offered in Computer Support Technician; Cisco Specialist I, II, III; Microsoft Specialist I, II, III; and Mobile Product Development.

Certificate

PREREQUISITES

Eligibility for ENGL&101 and College Math. Waivers or test out may be available. Prerequisites do not count toward credits required for this certificate.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTM 111</td>
<td>Business Applications I</td>
<td>5</td>
</tr>
<tr>
<td>ITC 102</td>
<td>Information Systems Concepts</td>
<td>5</td>
</tr>
</tbody>
</table>

Waivers or test out may be available.

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITC 110</td>
<td>Programming Fundamentals</td>
<td>5</td>
</tr>
<tr>
<td>ITC 134</td>
<td>Intro to Software Development &amp; Version</td>
<td>5</td>
</tr>
<tr>
<td>ITC 220</td>
<td>Database Development</td>
<td>5</td>
</tr>
<tr>
<td>WEB 110</td>
<td>Web Authoring I</td>
<td>5</td>
</tr>
</tbody>
</table>

TECHNICAL SPECIALTY TRACKS

Choose from two of the seven tracks below:

DATABASE DEVELOPMENT TRACK

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITC 172</td>
<td>NET Web Programming</td>
<td>5</td>
</tr>
<tr>
<td>ITC 222</td>
<td>SQL w/Server</td>
<td>5</td>
</tr>
<tr>
<td>ITC 224</td>
<td>Database Programming</td>
<td>5</td>
</tr>
<tr>
<td>ITC 226</td>
<td>Database Administration</td>
<td>5</td>
</tr>
<tr>
<td>ITC 255</td>
<td>Systems Analysis</td>
<td>5</td>
</tr>
</tbody>
</table>

MOBILE DEVELOPMENT TRACK

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITC 115</td>
<td>Object Oriented Programming</td>
<td>5</td>
</tr>
<tr>
<td>ITC 155</td>
<td>Data Structures and Algorithms with Java</td>
<td>5</td>
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<tr>
<td>ITC 162</td>
<td>Android Application Development 1</td>
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<td>ITC 165</td>
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<tr>
<td>ITC 255</td>
<td>Systems Analysis</td>
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SOFTWARE DEVELOPER TRACK

<table>
<thead>
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<th>Course</th>
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<tr>
<td>ITC 115</td>
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<td>ITC 155</td>
<td>Data Structures and Algorithms with Java</td>
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WEB DEVELOPMENT TRACK

<table>
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<tr>
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<td>NET Web Programming</td>
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<td>ITC 240</td>
<td>Web Application Programming 1</td>
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WEB PROGRAMMING TRACK

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WEB SCRIPTING TRACK

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<td>ITC 230</td>
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<td>WEB 120</td>
<td>Web Authoring II</td>
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<td>WEB 150</td>
<td>Introduction to JavaScript</td>
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WEB DESIGN TRACK

<table>
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<td>WEB 130</td>
<td>Web Authoring III</td>
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<tr>
<td>WEB 200</td>
<td>Theory of Web Design</td>
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<tr>
<td>WEB 202</td>
<td>User-Centered Design</td>
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<td>WEB 204</td>
<td>Research Methods</td>
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RELATED INSTRUCTION

<table>
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<tr>
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<th>Title</th>
<th>Credits</th>
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<tr>
<td>ITC 205 OR WEB 205</td>
<td>Career Strategies</td>
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IT Electives

Following can be substituted: Internship

Up to 15

Based on chosen tracks, student may either take an additional 0 to 15 credits of IT electives or internship or some combination of both to make the 60 credits required for this certificate.

TOTAL PROGRAM CREDITS 60-71
Information Technology: Network Design and Administration

Information Technology Programs

The Information Technology three- to seven-quarter certificate and Associate of Applied Science – Transfer (A.A.S.-T) degree programs prepare students for an industry with a growing need for skilled technicians. IT offers certificates and/or degrees in six areas: Applications Support, Database Administration and Development, Mobile Product Development, Network Design and Administration, Programming, Web Design, and Web Development. Graduates can expect to find employment as help desk analysts, programmers, web designers and developers, software support specialists, application developers, network designers and administrators, database designers and administrators, and IT security specialists. Short-term certificates or industry certifications are offered in Computer Support Technician; Cisco Specialist I, II, III; Microsoft Specialist I, II, III; and Mobile Product Development.

Certificate

PREREQUISITES
Prerequisites do not count toward credits required for this certificate.

Eligibility for ENGL&101 and College Math

ITC 102 Information Systems Concepts ........... 5
AND
BTM 111 Business Applications I
(BTM 111 and ITC 102 may be waived due to test out or by prior student experience.)
ITC 140 Introduction to Computer Hardware ........ 5
NET 120 Network Essentials .......................... 5

TECHNICAL SPECIALTY CLASSES
CIS 197 Work Experience – Computer Information Systems .................................. 3
ITC 136 Unix Operating System .......................... 5
ITC 151 Introduction to Security for Computing ................ 5
NET 122 Network Operating Systems 1 – Client .......... 5
NET 124 Network Operating Systems 2 – Win2k Server .... 5
NET 126 Network Operating Systems 3 – Sysop Applications .................................. 5
NET 134 Network IAC (Infrastructure as Code) & Design .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 200 Enterprise Applications .......................... 5

TOTAL PROGRAM CREDITS 58

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

Completion of Certificate Requirements: 78 credits

PREREQUISITES
Prerequisites do not count toward credits required for this certificate.

Eligibility for ENGL&101 and College Math

ITC 102 Information Systems Concepts ........... 5
Waiver or test out available.
BTM 111 Business Applications I ....................... 5
Waiver or test out available.
ITC 140 Introduction to Computer Hardware ........... 5
NET 120 Network Essentials - CompTIA Network + .... 5

TECHNICAL SPECIALTY CLASSES
CIS 197 Work Experience .................................. 3
Credit range: 3-5
Total required work experience credits for CIS 197: 3
ITC 136 Unix Operating System .......................... 5
ITC 151 Introduction to Security for Computing ................ 5
NET 122 Network Operating Systems 1 – Client .......... 5
NET 124 Network Operating Systems 2 – Win2k Server .... 5
NET 126 Network Operating Systems 3 – Sysop Applications .................................. 5
NET 134 Network IAC (Infrastructure as Code) & Design .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 200 Enterprise Applications .......................... 5
Information Technology: Programming

Information Technology Programs

The Information Technology three- to seven-quarter certificate and Associate of Applied Science – Transfer (A.A.S.-T) degree programs prepare students for an industry with a growing need for skilled technicians. IT offers certificates and/or degrees in six areas: Applications Support, Database Administration and Development, Mobile Product Development, Network Design and Administration, Programming, Web Design, and Web Development. Graduates can expect to find employment as help desk analysts, programmers, web designers and developers, software support specialists, application developers, network designers and administrators, database designers and administrators, and IT security specialists. Short-term certificates or industry certifications are offered in Computer Support Technician; Cisco Specialist I, II, III; Microsoft Specialist I, II, III; and Mobile Product Development.

Certificate

Prerequisites

Eligibility for ENGL&101 and College Math. Waivers or test out may be available.

Prerequisites do not count toward credits required for this certificate.

BTM 111 Business Applications I ........................................... 5
Waivers or test out may be available.

ITC 102 Information Systems Concepts .......................... 5
Waivers or test out may be available.

TECHNICAL SPECIALTY COURSES

ITC 110 Programming Fundamentals .......................... 5
ITC 134 Intro to Software Development & Version .......... 5
ITC 220 Database Development .................................. 5
WEB 110 Web Authoring I ........................................ 5

RELATED INSTRUCTION

CSC 110 Introduction to Computer Programming ............ 5
ENGL& 101 English Composition .................................. 5
ENGL& 102 Composition II ........................................ 5

Following can be substituted:
Other Communications course

HUM 105 Intercultural Communication ...................... 5

Following can be substituted: Other Humanities course

MATH 136 Inferential Statistics .................................... 5

Following can be substituted:
MATH&146 Introduction to Statistics

PSYC& 100 General Psychology .................................... 5

Following can be substituted: Other Social Science course

TOTAL PROGRAM CREDITS 98

TECHNICAL SPECIALTY TRACKS

Choose from two of the seven tracks below:

DATABASE DEVELOPMENT TRACK

ITC 172 NET Web Programming ........................................ 5
ITC 222 SQL w/Server .................................................. 5
ITC 224 Database Programming ...................................... 5
ITC 226 Database Administration .................................. 5
ITC 255 Systems Analysis ............................................. 5

MOBILE DEVELOPMENT TRACK

ITC 115 Object Oriented Programming ............................. 5
ITC 155 Data Structures and Algorithms with Java .......... 5
ITC 162 Android Application Development 1 .................. 5
ITC 165 Android Application Development 2 .................. 5
ITC 255 Systems Analysis ............................................. 5

SOFTWARE DEVELOPER TRACK

ITC 115 Object Oriented Programming ............................. 5
ITC 155 Data Structures and Algorithms with Java .......... 5
ITC 255 Systems Analysis ............................................. 5

WEB DEVELOPMENT TRACK

ITC 172 NET Web Programming ........................................ 5
ITC 210 Web Application Programming 1 ...................... 5
ITC 250 Web Application Programming 2 ...................... 5
ITC 260 Web Application Programming 3 ...................... 5
WEB 110 Web Authoring I ........................................ 5
WEB 170 Content Systems Management .......................... 5
WEB 240 Web Application Programming 1 ...................... 5
WEB 250 Web Application Programming 2 ...................... 5
WEB 260 Web Application Programming 3 ...................... 5

WEB PROGRAMMING TRACK

ITC 240 Web Application Programming 1 ...................... 5
ITC 250 Web Application Programming 2 ...................... 5
ITC 260 Web Application Programming 3 ...................... 5

WEB SCRIPTING TRACK

ITC 230 Advanced JavaScript ........................................ 5
WEB 120 Web Authoring II ........................................ 5
WEB 150 Introduction to JavaScript .............................. 5

WEB DESIGN TRACK

WEB 110 Web Authoring II ........................................ 5
WEB 130 Web Authoring III ........................................ 5
WEB 200 Theory of Web Design ..................................... 5
WEB 202 User-Centered Design ..................................... 5
WEB 204 Research Methods .......................................... 5

RELATED INSTRUCTION

ITC 205 OR WEB 205 Career Strategies .......................... 2
IT Electives ............................................................... up to 15

Following can be substituted: Internship

Based on chosen tracks, student may either take an additional 0 to 15 credits of IT electives or internship or some combination of both to make the 60 credits required for this certificate.

TOTAL PROGRAM CREDITS 60-73
Information Technology: Programming

Information Technology Programs

The Information Technology three- to seven-quarter certificate and Associate of Applied Science – Transfer (A.A.S.-T) degree programs prepare students for an industry with a growing need for skilled technicians. It offers certificates and/or degrees in six areas: Applications Support, Database Administration and Development, Mobile Product Development, Network Design and Administration, Programming, Web Design, and Web Development. Graduates can expect to find employment as help desk analysts, programmers, web designers and developers, software support specialists, application developers, network designers and administrators, database designers and administrators, and IT security specialists. Short-term certificates or industry certifications are offered in Computer Support Technician; Cisco Specialist I, II, III; Microsoft Specialist I, II, III; and Mobile Product Development.

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

Completion of Certificate: 60-73 credits

PREREQUISITES
Eligibility for ENGL&101 and College Math. Waivers or test out may be available.

BTM 111 Business Applications I ......................... 5
Waivers or test out may be available.

ITC 102 Information Systems Concepts ...................... 5
Waivers or test out may be available.

TECHNICAL SPECIALLY COURSES

ITC 110 Programming Fundamentals ...................... 5

ITC 134 Intro to Software Development & Version .......... 5

ITC 220 Database Development .................. 5

WEB 110 Web Authoring I ...................... 5

TECHNICAL SPECIALLY TRACKS

Choose from two of the seven tracks below:

DATABASE DEVELOPMENT TRACK

ITC 172 NET Web Programming .................. 5

ITC 222 SQL w/Server .................. 5

ITC 224 Database Programming .................. 5

ITC 226 Database Administration .................. 5

ITC 255 Systems Analysis .................. 5

MOBILE DEVELOPMENT TRACK

ITC 115 Object Oriented Programming .................. 5

ITC 155 Data Structures and Algorithms with Java ........ 5

ITC 162 Android Application Development 1 .................. 5

ITC 165 Android Application Development 2 .................. 5

ITC 255 Systems Analysis .................. 5

SOFTWARE DEVELOPER TRACK

ITC 115 Object Oriented Programming .................. 5

ITC 155 Data Structures and Algorithms with Java ........ 5

ITC 255 Systems Analysis .................. 5

WEB DEVELOPMENT TRACK

ITC 172 NET Web Programming .................. 5

- OR - WEB 170 Content Systems Management ......... 5

ITC 240 Web Application Programming 1 .................. 5

ITC 250 Web Application Programming 2 .................. 5

ITC 260 Web Application Programming 3 .................. 5

WEB 120 Web Authoring II .................. 5

WEB PROGRAMMING TRACK

ITC 240 Web Application Programming 1 .................. 5

ITC 250 Web Application Programming 2 .................. 5

ITC 260 Web Application Programming 3 .................. 5

WEB SCRIPTING TRACK

ITC 230 Advanced JavaScript .................. 5

WEB 120 Web Authoring II .................. 5

WEB 150 Introduction to JavaScript .................. 5

WEB DESIGN TRACK

WEB 120 Web Authoring II .................. 5

WEB 130 Web Authoring III .................. 5

WEB 200 Theory of Web Design .................. 5

WEB 202 User-Centered Design .................. 5

WEB 204 Research Methods .................. 5

RELATED INSTRUCTION

ITC 205 Career Strategies .................. 2

IT Electives .................. up to 15

Following can be substituted: Internship

Based on chosen tracks, student may either take an additional 0 to 15 credits of IT electives or internship or some combination of both to make the 60 credits required for the Programming certificate.

RELATED INSTRUCTION – A.A.S.-T

ENGL& 101 English Composition .................. 5

ENGL& 102 Composition II .................. 5

Following can be substituted:

ENGL&235 Technical Writing*

HUM 105 Intercultural Communication .................. 5

Following can be substituted:

ENGL&235 Technical Writing*

ITC 285 Capstone Project Class .................. 5

MATH 136 Inferential Statistics .................. 5

Following can be substituted:

MATH&146 Introduction to Stats

Natural World Science Course .................. 5

ICS Social Science Course .................. 5

TOTAL PROGRAM CREDITS 98-107

* ENGL 235 Technical Writing may substitute for either ENGL&102 or HUM&105 but not for both.
Information Technology: Web Design

Information Technology Programs

The Information Technology three- to seven-quarter certificate and Associate of Applied Science – Transfer (A.A.S.-T) degree programs prepare students for an industry with a growing need for skilled technicians. IT offers certificates and/or degrees in six areas: Applications Support, Database Administration and Development, Mobile Product Development, Network Design and Administration, Programming, Web Design, and Web Development. Graduates can expect to find employment as help desk analysts, programmers, web designers and developers, software support specialists, application developers, network designers and administrators, database designers and administrators, and IT security specialists. Short-term certificates or industry certifications are offered in Computer Support Technician; Cisco Specialist I, II, III; Microsoft Specialist I, II, III; and Mobile Product Development.

Certificate

**PREREQUISITES**

Prerequisites do not count toward credits required for this certificate.

Eligibility for ENGL&101 and MATH 098

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**TECHNICAL SPECIALTY COURSES**

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<th>Course</th>
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<td>ITC 220</td>
<td>Database Development</td>
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<td>ITC 240</td>
<td>Web Applications 1</td>
<td>5</td>
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<td>BTM 260</td>
<td>Project Management</td>
<td>5</td>
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<td>WEB 110</td>
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<td>WEB 112</td>
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<td>3</td>
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<td>WEB 114</td>
<td>Photoshop for the Web</td>
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<td>WEB 120</td>
<td>Web Authoring II</td>
<td>5</td>
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<tr>
<td>WEB 130</td>
<td>Web Authoring III</td>
<td>5</td>
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<tr>
<td>WEB 150</td>
<td>Introduction to JavaScript</td>
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<td>WEB 160</td>
<td>Writing for the Web</td>
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<td>WEB 170</td>
<td>Content Management Systems with WordPress</td>
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<td>Theory of Web Design</td>
<td>5</td>
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<tr>
<td>WEB 202</td>
<td>User Interface &amp; Experience Design for the Web</td>
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<td>WEB 204</td>
<td>Research Methods</td>
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<td>WEB 205</td>
<td>Web Career Strategies</td>
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<tr>
<td>WEB 210</td>
<td>Advanced Web Design &amp; Development Projects</td>
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TOTAL PROGRAM CREDITS 71

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

Completion of Certificate Requirements: 66 credits

**PREREQUISITES**

Prerequisites do not count toward credits required for this certificate.

Eligibility for ENGL&101 and MATH 098

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<tr>
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**TECHNICAL SPECIALTY COURSES**

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<tr>
<th>Course</th>
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<td>ITC 197</td>
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<td>ITC 220</td>
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<td>BTM 260</td>
<td>Project Management</td>
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<td>Web Authoring I</td>
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<td>WEB 160</td>
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<td>WEB 205</td>
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<tr>
<td>WEB 210</td>
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</table>
Professional Technical Programs

Information Technology: Web Development

Information Technology Programs

The Information Technology three- to seven-quarter certificate and Associate of Applied Science – Transfer (A.A.S.-T) degree programs prepare students for an industry with a growing need for skilled technicians. IT offers certificates and/or degrees in six areas: Applications Support, Database Administration and Development, Mobile Product Development, Network Design and Administration, Programming, Web Design, and Web Development. Graduates can expect to find employment as help desk analysts, programmers, web designers and developers, software support specialists, application developers, network designers and administrators, database designers and administrators, and IT security specialists. Short-term certificates or industry certifications are offered in Computer Support Technician; Cisco Specialist I, II, III; Microsoft Specialist I, II, III; and Mobile Product Development.

Certificate

PREREQUISITES
Eligibility for ENGL&101 and College Math. Waivers or test out may be available.

BTM 111 Business Applications I .................. 5
Waivers or test out may be available.

ITC 102 Information Systems Concepts ............. 5
Waivers or test out may be available.

TECHNICAL SPECIALITY COURSES

ITC 110 Programming Fundamentals5
ITC 134 Intro to Software Development & Version .... 5
ITC 220 Database Development .......................... 5
WEB 110 Web Authoring I .............................. 5

TECHNICAL SPECIALITY TRACKS
Choose from two of the seven tracks below:

DATABASE DEVELOPMENT TRACK

ITC 172 NET Web Programming .......................... 5
ITC 222 SQL w/Server .................................... 5
ITC 224 Database Programming, ....................... 5
ITC 226 Database Administration ......................... 5
ITC 255 Systems Analysis ................................ 5

MOBILE DEVELOPMENT TRACK

ITC 115 Object Oriented Programming ............... 5
ITC 155 Data Structures and Algorithms with Java 5
ITC 162 Android Application Development 1........ 5
ITC 165 Android Application Development 2 .......... 5
ITC 255 Systems Analysis ................................ 5

SOFTWARE DEVELOPER TRACK

ITC 115 Object Oriented Programming ............... 5
ITC 155 Data Structures and Algorithms with Java 5
ITC 255 Systems Analysis ................................ 5

WEB DEVELOPMENT TRACK

ITC 172 NET Web Programming ........................ 5
-OR- Web 170 Content Systems Management ...... 5
ITC 240 Web Application Programming 1 ............ 5
ITC 250 Web Application Programming 2 ............ 5
ITC 260 Web Application Programming 3 ............ 5
WEB 120 Web Authoring II ................................ 5

WEB PROGRAMMING TRACK

ITC 240 Web Application Programming 1 ............ 5
ITC 250 Web Application Programming 2 ............ 5
ITC 260 Web Application Programming 3 ............ 5

WEB SCRIPTING TRACK

ITC 230 Advanced JavaScript .......................... 5
WEB 120 Web Authoring II ................................ 5
WEB 150 Introduction to JavaScript ..................... 5

WEB DESIGN TRACK

WEB 120 Web Authoring II ................................ 5
WEB 130 Web Authoring III ............................. 5
WEB 200 Theory of Web Design ......................... 5
WEB 202 User-Centered Design ......................... 5
WEB 204 Research Methods ............................. 5

RELATED INSTRUCTION

ITC 205 Career Strategies .............................. 2
IT Electives ............................................. up to 15.0
Following can be substituted: Internship
Based on chosen tracks, student may either take an additional 0 to 15 credits of IT electives or internship or some combination of both to make the 60 credits required for the Programming certificate.

TOTAL PROGRAM CREDITS 62-77
Information Technology: Web Development

Information Technology Programs

The Information Technology three- to seven-quarter certificate and Associate of Applied Science – Transfer (A.A.S.-T) degree programs prepare students for an industry with a growing need for skilled technicians. IT offers certificates and/or degrees in six areas: Applications Support, Database Administration and Development, Mobile Product Development, Network Design and Administration, Programming, Web Design, and Web Development. Graduates can expect to find employment as help desk analysts, programmers, web designers and developers, software support specialists, application developers, network designers and administrators, database designers and administrators, and IT security specialists. Short-term certificates or industry certifications are offered in Computer Support Technician; Cisco Specialist I, II, III; Microsoft Specialist I, II, III; and Mobile Product Development.

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

**PREREQUISITES**

Eligibility for ENGL&101 and College Math. Waivers or test out may be available.

<table>
<thead>
<tr>
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<th>Course Title</th>
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<tr>
<td>BTM 111</td>
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<tr>
<td>ITC 102</td>
<td>Information Systems Concepts</td>
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**TECHNICAL SPECIALTY COURSES**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ITC 110</td>
<td>Programming Fundamentals</td>
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</tr>
<tr>
<td>ITC 134</td>
<td>Intro to Software Development &amp; Version</td>
<td>5</td>
</tr>
<tr>
<td>ITC 220</td>
<td>Database Development</td>
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</tr>
<tr>
<td>WEB 110</td>
<td>Web Authoring I</td>
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**DATABASE DEVELOPMENT TRACK**

<table>
<thead>
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<th>Course Title</th>
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<tbody>
<tr>
<td>ITC 172</td>
<td>NET Web Programming</td>
<td>5</td>
</tr>
<tr>
<td>ITC 222</td>
<td>SQL w/Server</td>
<td>5</td>
</tr>
<tr>
<td>ITC 224</td>
<td>Database Programming</td>
<td>5</td>
</tr>
<tr>
<td>ITC 226</td>
<td>Database Administration</td>
<td>5</td>
</tr>
<tr>
<td>ITC 255</td>
<td>Systems Analysis</td>
<td>5</td>
</tr>
</tbody>
</table>

**MOBILE DEVELOPMENT TRACK**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITC 115</td>
<td>Object Oriented Programming</td>
<td>5</td>
</tr>
<tr>
<td>ITC 155</td>
<td>Data Structures and Algorithms with Java</td>
<td>5</td>
</tr>
<tr>
<td>ITC 162</td>
<td>Android Application Development 1</td>
<td>5</td>
</tr>
<tr>
<td>ITC 165</td>
<td>Android Application Development 2</td>
<td>5</td>
</tr>
<tr>
<td>ITC 255</td>
<td>Systems Analysis</td>
<td>5</td>
</tr>
</tbody>
</table>

**SOFTWARE DEVELOPER TRACK**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITC 115</td>
<td>Object Oriented Programming</td>
<td>5</td>
</tr>
<tr>
<td>ITC 155</td>
<td>Data Structures and Algorithms with Java</td>
<td>5</td>
</tr>
<tr>
<td>ITC 255</td>
<td>Systems Analysis</td>
<td>5</td>
</tr>
</tbody>
</table>

**WEB DEVELOPMENT TRACK**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITC 172</td>
<td>NET Web Programming</td>
<td>5</td>
</tr>
<tr>
<td>ITC 240</td>
<td>Web Application Programming 1</td>
<td>5</td>
</tr>
<tr>
<td>ITC 250</td>
<td>Web Application Programming 2</td>
<td>5</td>
</tr>
<tr>
<td>ITC 260</td>
<td>Web Application Programming 3</td>
<td>5</td>
</tr>
<tr>
<td>WEB 120</td>
<td>Web Authoring II</td>
<td>5</td>
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</table>

**WEB PROGRAMMING TRACK**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITC 240</td>
<td>Web Application Programming 1</td>
<td>5</td>
</tr>
<tr>
<td>ITC 250</td>
<td>Web Application Programming 2</td>
<td>5</td>
</tr>
<tr>
<td>ITC 260</td>
<td>Web Application Programming 3</td>
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</table>

**WEB SCREITING TRACK**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ITC 230</td>
<td>Advanced JavaScript</td>
<td>5</td>
</tr>
<tr>
<td>WEB 120</td>
<td>Web Authoring II</td>
<td>5</td>
</tr>
<tr>
<td>WEB 150</td>
<td>Introduction to JavaScript</td>
<td>5</td>
</tr>
</tbody>
</table>

**WEB DESIGN TRACK**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEB 120</td>
<td>Web Authoring II</td>
<td>5</td>
</tr>
<tr>
<td>WEB 130</td>
<td>Web Authoring III</td>
<td>5</td>
</tr>
<tr>
<td>WEB 200</td>
<td>Theory of Web Design</td>
<td>5</td>
</tr>
<tr>
<td>WEB 202</td>
<td>User-Centered Design</td>
<td>5</td>
</tr>
<tr>
<td>WEB 204</td>
<td>Research Methods</td>
<td>5</td>
</tr>
</tbody>
</table>

**RELATED INSTRUCTION**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ITC 205</td>
<td>Career Strategies</td>
<td>2</td>
</tr>
<tr>
<td>IT Electives</td>
<td></td>
<td>up to 15</td>
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</tbody>
</table>

**RELATED INSTRUCTION – A.A.S.-T**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL&amp; 101</td>
<td>English Composition</td>
<td>5</td>
</tr>
<tr>
<td>ENGL&amp; 102</td>
<td>Composition II</td>
<td>5</td>
</tr>
</tbody>
</table>

Following can be substituted:

- ENGL&235 Technical Writing*
- HUM 105 Intercultural Communication

Following can be substituted:

- ENGL&235 Technical Writing*
- ITC 285 Capstone Project Class

**MATH 136** Inferential Statistics

Following can be substituted:

- MATH&146 Introduction to Stats
- Natural World Science Course
- ICS Social Science Course

**TOTAL PROGRAM CREDITS** 98-107

* ENGL 235 Technical Writing may substitute for either ENGL&102 or HUM&105 but not for both.
CISCO Certified Network Professional (CCNP) Short-Term Certificate

Business, Information Technologies & Creative Arts Division

Students work through the CISCO CCNP curriculum to earn a college certificate and be Cisco certification ready. Applying CISCO coursework to industry, this certificate validates the ability to plan, implement, and verify local and wide-area enterprise networks. This foundational CCNP curriculum prepares administrators for additional variants that support advanced troubleshooting, provisioning for the cloud, and advanced security, as well as voice, wireless, and video solutions. The CCNP Routing and Switching certification is appropriate for those with a CCNA and/or a year of networking experience.

PROGRAM CERTIFICATE OUTCOMES:
- Plan and manage multiple projects, both individually and as a team member
- Explain and implement network industry standards such as: the OSI model; routing protocols, address resolution, and reverse address resolution protocols; IP addresses and subnetting; and MAC addressing
- Apply industry-standard techniques for troubleshooting, collecting, analyzing, and optimizing data within an enterprise network infrastructure.

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTI 350 Enterprise Switching - CCNP 2</td>
<td>5</td>
</tr>
<tr>
<td>NTI 360 Enterprise Troubleshooting - CCNP 3</td>
<td>5</td>
</tr>
<tr>
<td>NTI 340 Enterprise Routing - CCNP 1</td>
<td>5</td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS: 15

CISCO Specialist II Short-Term Certificate

Information Technology Programs

A short-term, intensive CISCO Certified Network Administrator (CCNA or ICND 2) certificate in network infrastructure, Linux administration, and network security skills for entry-level workers or established workers seeking updated skills.

PREREQUISITES

Must meet all college requirements and eligibility for ENG 101 and MAT 081. Prerequisites completed with minimum 2.0 or better GPA in each course and completion of CISCO Specialist I Short-Term Certificate with 2.0 or better or related CompTIA certification and prior work experience.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL &amp; 101 English Composition</td>
<td>5</td>
</tr>
<tr>
<td>ITC 140 Introduction to Computer Hardware</td>
<td>5</td>
</tr>
<tr>
<td>MATH 084 Algebra I</td>
<td>5</td>
</tr>
<tr>
<td>NET 120 Network Essentials – Comptia Network +</td>
<td>5</td>
</tr>
</tbody>
</table>

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITC 151 Introduction to Security for Computing</td>
<td>5</td>
</tr>
<tr>
<td>ITC 299 Independent Study</td>
<td>5</td>
</tr>
<tr>
<td>NET 138 UNIX for Network Administration</td>
<td>5</td>
</tr>
<tr>
<td>NET 146 Network Management – CISCO III</td>
<td>5</td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS: 16-18

Cloud Specialist Short-Term Certificate

Business, Information Technologies & Creative Arts Division

This certificate is designed to provide core knowledge in internet (cloud) technologies. Four areas of emphasis include solution architectures, risk and governance, mobility and applications, and service management. Cloud computing at Seattle Central focuses on new internet-only business models and the reordering of traditional client server local area networking technologies in a highly distributed, mobile world. Entry into the certificate requires Linux and Windows experience. The Enterprise Virtualization and Cloud Management Capstone course requires the highest skill set.

PROGRAM CERTIFICATE OUTCOMES:
- Plan and manage multiple projects, both individually and as a team member
- Assess, develop, and maintain network security systems using ethical best practices and standardized tools.
- Design, implement, and manage hybrid-distributed environments.

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTI 430 Collaboration and Secure Content Management</td>
<td>5</td>
</tr>
<tr>
<td>NTI 440 Devices and Services Cloud Environments</td>
<td>5</td>
</tr>
<tr>
<td>NTI 460 Enterprise Virtualization and Cloud Management Capstone</td>
<td>5</td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS: 15

Linux Short-Term Certificate

Business, Information Technologies & Creative Arts Division

This three-class series of courses prepares individuals with previous Linux administration skills for implementation in enterprise computing environments, past the equivalency of Linux+ certification. Students examine and demonstrate auto-configuration, file systems, partitioning, logical volumes, firewalling, and LAN/WAN support applications, as well as enterprise applications, like web, mobility, email, storage, cloud virtualization, database, and troubleshooting. Students will also implement third-party applications and mixed-server environments, including integration with Microsoft and Apple products.

PROGRAM CERTIFICATE OUTCOMES:
- Plan and manage multiple projects, both individually and as a team member
- Apply industry-standard techniques for collecting, analyzing, and optimizing data within an enterprise network infrastructure.
- Assess, develop, and maintain network security systems using ethical best practices and standardized tools.

TECHNICAL SPECIALTY COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTI 300 Linux and Enterprise Scripting Technologies</td>
<td>5</td>
</tr>
<tr>
<td>NTI 310 Linux Applications</td>
<td>5</td>
</tr>
<tr>
<td>NTI 320 Optimization and Monitoring of Enterprise Networks</td>
<td>5</td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS: 15
Microsoft Specialist II Short-Term Certificate
Information Technology Programs
A short-term, intensive Microsoft Specialist II certificate delves deeper into Microsoft Windows Server 2008 for implementing and administering a networked environment, utilizing tools, applications, and processes to manage a secure client/server environment.

PREREQUISITES
Must meet all college requirements and Eligibility for ENG 101; ITC 102 and MIC 101; must also have completed Microsoft Specialist I Certificate of Completion or have related MSITP certification tests completed.

TECHNICAL SPECIALTY COURSES
NET 126 Network Operating Systems 3 – Sysop Applications 5
NET 134 Network IAC (Infrastructure as Code) & Design 5

ELECTIVES
Any IT course - Recommended Electives listed below:
ITC 110 Programming Fundamentals 5
Following can be substituted: Recommend ITC 110 or ITC 220
ITC 220 Database Development 5
Following can be substituted: Recommend ITC 110 or ITC 220

ELECTIVE CREDITS 5
TOTAL PROGRAM CREDITS 15

Microsoft Specialist III Short-Term Certificate
Information Technology Programs
A short-term, intensive Microsoft Specialist III certificate explores case studies to analyze requirements, discuss needs, and implement solutions to solve enterprise network technology and application integration issues.

PREREQUISITES
Must meet all college requirements and eligibility for ENG 101, ITC 102, and MIC 101; must also have completed Microsoft Specialist II Certificate of Achievement or have passed related MS Cert tests leading to MSITP

Visual, Literary, and Performing Arts 5

TECHNICAL SPECIALTY COURSES
ITC 197 Work Experience Computer Information Technology 5
NET 200 Enterprise Applications 10

TOTAL PROGRAM CREDITS 15

Maritime
Seattle Maritime Academy
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. Students 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 90-day at-sea internship on a large commercial vessel.

SMA offers the Marine Deck Technology curriculum as a 63- to 64-credit program, culminating in a certificate in Marine Deck Technology. Students will also be eligible for a U.S. Merchant Mariners document endorsed with any and/or all of the following Able Bodied Seaman (A.B.) ratings: Able Seaman (National); RFPNW, Basic Safety Training, and Lifeboatmen. The MET certificate program also qualifies each graduate for an STCW “ratings forming part of an navigation watch” endorsement.

Marine Deck Technology Certificate

TECHNICAL SPECIALTY COURSES
MGO 101 Principles of Marine Mechanics 2
MGO 103 Survival Craft 3
MGO 111 Seamanship 3
MGO 112 Marlinspike 2
MGO 113 Marine Safety 3
MGO 120 Vessel Maintenance 2
MGO 123 Basic Piloting and Navigation 3
MGO 124 Basic Vessel Handling 2
MGO 133 Seamanship Practicum 6
MGO 137 Electronic Navigation AIDS 2
MGO 140 Nautical Rules of the Road 3
MGO 166 Navigation Practicum 6
MGO 200 At-Sea Internship 5
MTO 201 Naval Architecture 2
MTO 202 Stability 2
MTO 210 Marine Meteorology 2
MTO 223 Advanced Piloting and Navigation 3
MTO 284 Shipboard Pollution Prevention 2
MTO 294 License Seminar 2

RELATED INSTRUCTION
ENGL 105 Applied Composition 3
MGO 105 Leadership and Management 3
MGO 119 Marine Mathematics 3

TOTAL PROGRAM CREDITS 61-64
Professional Technical Programs

Community Service/Industry Support Courses
- Basic Electricity for Small Boats & Recreational Boaters
- Diesel Engine Maintenance & Operation
- Knots and Brews
- Plan Your Perfect Trip to San Juans
- Transiting the Ballard Locks
- Navionics Navigation App

Certification Preparatory Courses
- EPA 608 Refrigeration Technician (testing)

Marine Engineering Technology Certificate

<table>
<thead>
<tr>
<th>TECHNICAL SPECIALTY COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGO 101 Principles of Marine Mechanics</td>
</tr>
<tr>
<td>MGO 103 Survival Craft</td>
</tr>
<tr>
<td>MGO 111 Seamanship</td>
</tr>
<tr>
<td>MGO 113 Marine Safety</td>
</tr>
<tr>
<td>MGO 127 Fundamentals of Marine Electricity</td>
</tr>
<tr>
<td>MGO 147 Marine Engineering Practicum</td>
</tr>
<tr>
<td>MGO 177 Advanced Engineering Practicum</td>
</tr>
<tr>
<td>MGO 200 At-Sea Internship</td>
</tr>
<tr>
<td>MTS 212 Auxiliary Machinery and Ship Design</td>
</tr>
<tr>
<td>MTS 217 Diesel Engine Maintenance and Operation</td>
</tr>
<tr>
<td>MTS 221 Applied Marine Electricity</td>
</tr>
<tr>
<td>MTS 228 Marine Hydraulics</td>
</tr>
<tr>
<td>MTS 233 Marine Refrigeration</td>
</tr>
<tr>
<td>MTS 257 Advanced Diesel Engines</td>
</tr>
<tr>
<td>MTS 263 Propulsion Systems</td>
</tr>
<tr>
<td>MTS 284 Shipboard Pollution Prevention</td>
</tr>
<tr>
<td>MTS 285 Marine Boilers</td>
</tr>
<tr>
<td>MTS 294 License Seminar</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RELATED INSTRUCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 105 Applied Composition</td>
</tr>
<tr>
<td>MGO 105 Leadership and Management</td>
</tr>
<tr>
<td>MGO 119 Marine Mathematics</td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS | 73-77

Nursing

Nursing

Associate in Nursing Direct Transfer Agreement/Major Related Program (ADN DTA/MRP)

The Associate Degree Nursing Program (ADN) offers an Associate in Nursing – Direct Transfer Agreement/Major Related Program (A.N.-DTA/MRP) with a two-year curriculum designed to prepare registered nurses for the workforce. The program includes nursing lab, skills theory, clinical practice, and general education courses. New students are accepted into the six-quarter program each fall and winter. Students are accepted on a first-come, first-served basis after completion of all admission requirements. Applications are accepted in April and September. Opening dates and times will be posted before each application period.

Prepares students to take the National Council of State Boards of Nursing Examination (NCLEX-RN) and apply for a license as a registered nurse in Washington state.

PREREQUISITES
The 45 credits of program prerequisites listed below are included in the total credits required for the program.

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL&amp; 160 General Biology w Lab</td>
</tr>
<tr>
<td>BIOL&amp; 241 Human Anatomy and Physiology I</td>
</tr>
<tr>
<td>BIOL&amp; 242 Human Anatomy and Physiology II</td>
</tr>
<tr>
<td>BIOL&amp; 260 Microbiology</td>
</tr>
<tr>
<td>CHEM&amp; 121 Intro to Chemistry</td>
</tr>
<tr>
<td>ENGL&amp; 101 English Composition</td>
</tr>
<tr>
<td>MATH&amp; 146 Introduction to Statistics</td>
</tr>
<tr>
<td>PSYC&amp; 100 General Psychology</td>
</tr>
<tr>
<td>PSYC&amp; 200 Lifespan Psychology</td>
</tr>
</tbody>
</table>

COREQUISITE COURSES
Students are required to take the following general education requirements prior to graduation from the nursing program. These may be taken before entering the nursing program (preferred) or during the nursing program.

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL&amp; 102 Composition II</td>
</tr>
<tr>
<td>HUM 105 Intercultural Communication</td>
</tr>
<tr>
<td>Humanities Electives</td>
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</tbody>
</table>

See Advising for list of approved courses

<table>
<thead>
<tr>
<th>TECHNICAL SPECIALTY COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 101 Fundamentals of Nursing</td>
</tr>
<tr>
<td>NURS 102 Medical – Surgical Nursing I</td>
</tr>
<tr>
<td>NURS 103 Medical – Surgical Nursing II</td>
</tr>
<tr>
<td>NURS 111 Skills Lab I</td>
</tr>
<tr>
<td>NURS 112 Nursing Practice I</td>
</tr>
<tr>
<td>NURS 113 Skills Lab II</td>
</tr>
<tr>
<td>NURS 121 Nursing Practice</td>
</tr>
<tr>
<td>NURS 123 Nursing Practice II</td>
</tr>
<tr>
<td>NURS 132 Behavioral Health Nursing</td>
</tr>
<tr>
<td>NURS 142 Behavioral Health Practice</td>
</tr>
<tr>
<td>NURS 204 Medical – Surgical Nursing III</td>
</tr>
<tr>
<td>NURS 205 Medical – Surgical Nursing IV</td>
</tr>
<tr>
<td>NURS 206 Health Promotion and Managing Care in Nursing</td>
</tr>
<tr>
<td>NURS 214 Nursing Practice III</td>
</tr>
<tr>
<td>NURS 215 Maternal Nursing</td>
</tr>
<tr>
<td>NURS 216 Nursing Practice IV</td>
</tr>
<tr>
<td>NURS 224 Pediatric Nursing</td>
</tr>
<tr>
<td>NURS 225 Maternal Practice</td>
</tr>
<tr>
<td>NURS 226 Transitions to Professional Nursing Role</td>
</tr>
<tr>
<td>NURS 234 Pediatric Practice</td>
</tr>
<tr>
<td>NUTR&amp; 101 Nutrition</td>
</tr>
<tr>
<td>PHIL 131 Ethics and Policy in Health Care I</td>
</tr>
<tr>
<td>PHIL 132 Ethics and Policy in Health Care II</td>
</tr>
<tr>
<td>PHIL 230 Ethics and Policy in Health Care III</td>
</tr>
<tr>
<td>PSYC 132 Psychosocial Issues in Health Care I</td>
</tr>
<tr>
<td>PSYC 231 Psychosocial Issues in Health Care II</td>
</tr>
<tr>
<td>PSYC 232 Psychosocial Issues in Health Care III</td>
</tr>
</tbody>
</table>

TOTAL PROGRAM CREDITS | 135
Nursing: Nursing Assistant Short-Term Certificate

Health and Human Services Division

This course provides instruction and hands-on experience in basic nursing care skills, including first aid, CPR, and HIV/AIDS, and it provides supervised clinical training in a long-term care facility. Instruction will also be provided in student success and career transition skills. After successful completion of the Nursing Assistant program, students are eligible to sit for the State of Washington NAC exam for certification as a nurse assistant.

TECHNICAL SPECIALTY COURSES

AHE 111 Nursing Assistant Certified .............. 12

TOTAL PROGRAM CREDITS 12

Social & Human Services

Social & Human Services & Child & Family Studies

The Social and Human Services program is for students interested in careers in the helping professions. The interdisciplinary program focuses on a strengths-based approach to prevention and intervention. The curriculum includes theoretical knowledge and targeted, skills-based education. Students practice their skills in a community-based setting through a required internship in the their selected specialization area. The program covers many facets of the human services profession, from the history of the field to social policy to interviewing skills.

Graduates may find employment in nonprofit and for-profit agencies in the fields of child welfare, chemical dependency, family support, case management, early childhood education, delivery of basic needs, aging, and other service provision areas.

Specialization options within the A.A.S. degree are Generalist, Chemical Dependency Specialist Certificate (details below), or the Child and Family Studies concentration.

A 2.0 GPA in all required technical specialty and related instruction courses is required for graduation. For information on entrance requirements and additional coursework, contact the division office.

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

PREREQUISITES

Eligibility for the following:
ENGL 101 English Composition ...................... 5
MATH 084 Algebra I .................................. 5

HUMAN SERVICES CORE

SHS 100 Introduction to Human Services .......... 5
SHS 103 Social Welfare Policy ...................... 5
SHS 106 Principles of Interviewing and Counseling ... 5
SHS 108 Group Dynamics & Counseling ............. 5

SHS 197 Field Placement: Social and Human Services .. 3
Credit range: 2-5; Total required credits: 3
SHS 198 Field Placement: Social and Human Services .5
Credit range: 2-5; Total required credits: 3
SHS 199 Field Placement: Social and Human Services .5
Credit range: 2-5; Total required credits: 3
SHS 210 Intro to Diversity in Human Services Practice .. 3

HUMAN SERVICES SPECIALIZATIONS

Select 30 credits from the following classes:

SHS 120 Introduction to Disabilities Study and Practice .. 3
SHS 150 HIV/AIDS Brief Risk Intervention ................ 1
SHS 200 Theories of Counseling .......................... 4
SHS 205 Crisis Intervention and Management ............ 3
SHS 207 Behavior Management ........................... 3
SHS 210 Intro to Diversity in Human Services Practice .. 3
SHS 215 Adolescent Development and Treatment ....... 5
SHS 222 Conflict Management ........................... 3
SHS 223 Human Service Practice with LGBTQ Populations 3
SHS 224 Leadership Theory and Skills .................... 3
SHS 225 Relapse Prevention .............................. 1
SHS 226 Adolescent Assessment .......................... 1
SHS 230 Suicide Risk Assessment ........................ 3
SHS 231 Pharmacology of Addictions .................... 5
SHS 232 Chemical Dependency and the Family ......... 3
SHS 233 Chemical Dependency Counseling ............. 5
SHS 235 Drug Addiction and Society .................... 5
SHS 242 Mental Health Diagnosis in Chemical Dependency .................. 5
SHS 245 Mental Health Overview ........................ 3
SHS 250 Client and Community Advocacy ............... 4
SHS 255 Co-occurring Disorders Treatment Issues and Services ........ 5
SHS 265 Management and Supervision .................... 5
SHS 270 Ethics in Human Services and Chemical Dependency .................. 3
SHS 275 Chemical Dependency and Domestic Violence .3
SHS 280 Chemical Dependency Case Management ....... 3
SHS 296 Special Topics .................................. 1
Maximum of 8 credits may be applied toward degree.
SHS 297 Special Topics .................................. 2
Maximum of 8 credits may be applied toward degree.
SHS 298 Special Topics .................................. 5
Maximum of 8 credits may be applied toward degree.
SHS 299 Independent Study or Research ................. 5
Maximum of 8 credits may be applied toward degree.
Credit range: 1-5 credits; Total required credits: 1-5

RELATED INSTRUCTION

CMST& 101 Introduction to Communication .............. 5
ENGL 101 English Composition .......................... 5
ENGL 102 Composition II ................................. 5
MATH 087 Foundations of Algebra ........................ 5
Following can be substituted:
MATH 091 Descriptive Statistics Algebra I

MIC 101 Introduction to Microcomputer Applications .... 4
PSYC& 100 General Psychology ........................... 5
SOC& 101 Introduction to Sociology ....................... 5

TOTAL PROGRAM CREDITS 90
Specific chemical dependency classes required for Washington state chemical dependency counselor qualifications are listed in the Chemical Dependency Specialist brochure.

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

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

**PREREQUISITES**
Eligibility for the following:

- ENGL& 101 English Composition ................... 5
- MATH 084 Algebra I ........................... 5

**HUMAN SERVICES CORE**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>SHS 100 Introduction to Human Services</td>
<td>5</td>
</tr>
<tr>
<td>SHS 103 Social Welfare Policy</td>
<td>5</td>
</tr>
<tr>
<td>SHS 106 Principles of Interviewing and Counseling</td>
<td>5</td>
</tr>
<tr>
<td>SHS 108 Group Dynamics &amp; Counseling</td>
<td>5</td>
</tr>
<tr>
<td>SHS 197 Field Placement: Social and Human Services .</td>
<td>3</td>
</tr>
<tr>
<td>SHS 198 Field Placement: Social and Human Services .</td>
<td>5</td>
</tr>
<tr>
<td>SHS 199 Field Placement: Social and Human Services .</td>
<td>5</td>
</tr>
<tr>
<td>SHS 210 Intro to Diversity in Human Services Practice .</td>
<td>3</td>
</tr>
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</table>

**HUMAN SERVICES SPECIALIZATIONS**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SHS 120 Introduction to Disabilities Study and Practice</td>
<td>3</td>
</tr>
<tr>
<td>SHS 150 HIV/AIDS Brief Risk Intervention</td>
<td>1</td>
</tr>
<tr>
<td>SHS 200 Theories of Counseling</td>
<td>4</td>
</tr>
<tr>
<td>SHS 205 Crisis Intervention and Management</td>
<td>3</td>
</tr>
<tr>
<td>SHS 207 Behavior Management</td>
<td>3</td>
</tr>
<tr>
<td>SHS 215 Adolescent Development and Treatment</td>
<td>5</td>
</tr>
<tr>
<td>SHS 222 Conflict Management</td>
<td>3</td>
</tr>
<tr>
<td>SHS 223 Human Service Practice with LGBTQ Populations</td>
<td>3</td>
</tr>
<tr>
<td>SHS 224 Leadership Theory and Skills</td>
<td>3</td>
</tr>
<tr>
<td>SHS 225 Relapse Prevention</td>
<td>1</td>
</tr>
<tr>
<td>SHS 226 Adolescent Assessment</td>
<td>1</td>
</tr>
<tr>
<td>SHS 230 Suicide Risk Assessment</td>
<td>3</td>
</tr>
<tr>
<td>SHS 231 Pharmacology of Addictions</td>
<td>5</td>
</tr>
<tr>
<td>SHS 232 Chemical Dependency and the Family</td>
<td>3</td>
</tr>
<tr>
<td>SHS 233 Chemical Dependency Counseling</td>
<td>5</td>
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<tr>
<td>SHS 235 Drug Addiction and Society</td>
<td>5</td>
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<tr>
<td>SHS 242 Mental Health Diagnosis in Chemical Dependency</td>
<td>5</td>
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<tr>
<td>SHS 245 Mental Health Overview</td>
<td>3</td>
</tr>
<tr>
<td>SHS 250 Client and Community Advocacy</td>
<td>4</td>
</tr>
<tr>
<td>SHS 255 Co-occurring Disorders Treatment Issues and Services</td>
<td>5</td>
</tr>
<tr>
<td>SHS 265 Management and Supervision</td>
<td>5</td>
</tr>
<tr>
<td>SHS 270 Ethics in Human Services and Chemical Dependency</td>
<td>3</td>
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<tr>
<td>SHS 275 Chemical Dependency and Domestic Violence</td>
<td>3</td>
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<tr>
<td>SHS 280 Chemical Dependency Case Management</td>
<td>3</td>
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<tr>
<td>SHS 296 Special Topics</td>
<td>1</td>
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<tr>
<td>SHS 297 Special Topics</td>
<td>2</td>
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<tr>
<td>Maximum of 8 credits may be applied toward degree.</td>
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</table>

SHS 298 Special Topics ....................... 5
Maximum of 8 credits may be applied toward degree.

SHS 299 Independent Study or Research .......... 5
Maximum of 8 credits may be applied toward degree.
Credit range: 1-5 credits; Total required credits: 1-5

**RELATED INSTRUCTION**

College-level MATH with MATH 098 (or equivalent) prerequisite.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMST&amp; 101 Introduction to Communication</td>
<td>5</td>
</tr>
<tr>
<td>ENGL&amp; 101 English Composition</td>
<td>5</td>
</tr>
<tr>
<td>ENGL&amp; 102 Composition II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 101 Introduction to Microcomputer Applications</td>
<td>4</td>
</tr>
<tr>
<td>PSYC&amp; 100 General Psychology</td>
<td>5</td>
</tr>
<tr>
<td>SOC&amp; 101 Introduction to Sociology</td>
<td>5</td>
</tr>
<tr>
<td>Humanities Electives ................</td>
<td>5</td>
</tr>
<tr>
<td>Maximum of 8 credits may be applied toward degree.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHS 298 Special Topics</td>
<td>5</td>
</tr>
</tbody>
</table>
Maximum of 8 credits may be applied toward degree.

SHS 299 Independent Study or Research .......... 5
Maximum of 8 credits may be applied toward degree.
Credit range: 1-5 credits; Total required credits: 1-5

**TOTAL PROGRAM CREDITS**

100

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.

**Surgical Technology**

Health Care & Human Services, Business, Languages & Cultures Division

This four-quarter program prepares students to share in the responsibility of the operating room team in the care of the patient requiring surgery. A surgical technologist is an allied health professional who works closely with surgeons, anesthesiologists, registered nurses, and other surgical personnel, delivering health care and assuming appropriate responsibilities before, during, and after surgery. The technologist is at all times under the supervision of the physician and/or registered nurse.

Instruction covers the basic sciences, anatomy and physiology, medical terminology, surgical functions in the operating room, surgical instrumentation and equipment, and aseptic techniques. The program is nationally accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). Clinical practice takes place in various health care facilities throughout Washington state. Graduation requirements include a minimum 2.0 GPA in each surgical technology course and related instruction and must be completed in the designated quarter to proceed to the next quarter. Entry is during the summer quarter only. Surgical Technology also offers a short-term certificate: Sterile Processing.
Certificate

PROGRAM ENTRANCE REQUIREMENTS
High School Diploma or GED equivalent in the U.S.
Eligibility for MATH 085
All prerequisites must be completed with a 2.5 GPA for each course before a student can enter the program or be placed on the waiting list. Entrance into the program or waiting list is on a first-come first-served basis.

PREREQUISITES
AHE 168 Medical Terminology .................... 5
Students intending on earning the A.A.S. degree must take AHE 168.
BIOL 128 Survey of Human Anatomy & Physiology ..... 5
ENGL& 101 English Composition ................... 5
PSYC& 100 General Psychology ..................... 5
Following can be substituted:
PSYC& 200 Lifespan Psychology ..................... 5

TOTAL PREREQUISITE CREDITS 20

TECHNICAL SPECIALTY COURSES
AHE 126 Essential Skills in Health Care ............. 2
AHE 140 Central Supply/Instrument Technician ....... 10
SURG 111 Surgical Lab .................................. 6
SURG 113 Surgical Theory I ............................ 10
SURG 115 Clinical Orientation ....................... 2
SURG 121 Surgical Specialty/Professional PREP ....... 6
SURG 123 Surgical Theory II .......................... 8
SURG 125 Clinical Practice I ......................... 4
SURG 133 Surgical Theory III ....................... 8
SURG 135 Clinical Practice II ....................... 10

TOTAL PROGRAM CREDITS 86

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

PROGRAM ENTRANCE REQUIREMENTS
High School Diploma or GED equivalent in the U.S.
Eligibility for Math 085
All prerequisites must be completed with a 2.0 GPA for each course before a student can enter the program or be placed on the waiting list. Entrance into the program or waiting list is on a first-come first-served basis.

PREREQUISITES
AHE 168 Medical Terminology .................... 5
BIOL 128 Survey of Human Anatomy & Physiology ..... 5
ENGL& 101 English Composition ................... 5
HUM 105 Intercultural Communication ................. 5
MATH& 146 Introduction to Statistics ............... 5
PHYS& 100 Physics for Non-Science Majors ........... 5
Following can be substituted:
PHYS& 200 Lifespan Psychology

TOTAL PREREQUISITES CREDITS 30

TECHNICAL SPECIALTY COURSES
AHE 126 Essential Skills in Health Care ............. 2
AHE 140 Central Supply/Instrument Technician ....... 10
SURG 111 Surgical Lab .................................. 6
SURG 113 Surgical Theory I ............................ 10
SURG 115 Clinical Orientation ....................... 2
SURG 121 Surgical Specialty/Professional PREP ....... 6
SURG 123 Surgical Theory II .......................... 8
SURG 125 Clinical Practice I ......................... 4
SURG 133 Surgical Theory III ....................... 8
SURG 135 Clinical Practice II ....................... 10

TOTAL PROGRAM CREDITS 86

Visual Media

Arts, Humanities, and Social Sciences

Examine concepts, ask questions, solve creative problems, and push the boundaries of traditional media using the power of still and motion imagery. Expand your knowledge both individually and in small teams to craft creative solutions from aesthetic conception to final application. The Visual Media program is a rigorous two-year curriculum providing the framework for a strong portfolio and guidance for career preparation, whether as an entrepreneur or a visual communications professional.

The Visual Media program immerses you in the foundations of digital storytelling using modern photography and video technology. Nurture your development of essential skills in lighting and composition for digital capture, both in studio and on location; post-production editing; and critical thinking and professional communication skills.

As part of the Seattle Central Creative Academy, the Visual Media program provides an unmatched environment in your pursuit of visual media competency, with modern cooperative learning spaces and supportive faculty. Explore a range of disciplines while connecting with industry professionals through portfolio reviews, guest lectures, and work-based opportunities.

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

TECHNICAL SPECIALTY COURSES
PHO 197 Work Experience – Photography ............... 3
VME 110 Professional Practices I ..................... 3.5
VME 111 Professional Practices II ..................... 3.5
VME 120 Lighting Techniques I ....................... 3.5
VME 121 Lighting Techniques II ...................... 3.5
VME 131 Conceptual Solutions I ..................... 3.5
VME 145 Digital Imaging I ............................. 3.5
VME 146 Digital Imaging II ............................ 3.5
VME 147 Digital Imaging III ......................... 3.5
VME 150 Visual Media I ............................... 3.5
VME 151 Visual Media II .............................. 3.5
VME 160 Studio Techniques I ......................... 3.5
VME 232 Conceptual Solutions II .................... 4
Wood Technology:
Boatbuilding and Repair

The Marine Technology program at Seattle Central College will train students for a career in the boatbuilding and repair-refit industries. The program teaches entry-level skills in the building and repair of wood and fiberglass hull and vessel components, outboard and inboard engines, testing, maintaining, and repairing electrical systems, and the installation of marine pumps in new or retrofit vessels. Instruction also includes the techniques of working with fiberglass and related chemicals.

Students who complete the certificate program will have the option to complete an A.A.S. degree by completing an internship, taking marine electronics, marine welding, or advanced wooden boat joinery and repair.

Certificate

TECHNICAL SPECIALTY COURSES
MRT 101 Introduction to Composite Boatbuilding . . . 14
MRT 102 Introduction to Marine Electrical Systems . . . 4
MRT 103 Wooden Boat Joinery and Repair . . . 10
MRT 104 Introduction to Marine Mechanical Systems . . 8
MRT 105 Advanced Composites . . . 14
MRT 106 Marine Electrical II . . . 4
WCO 110 Introduction to Professional Woodworking . . . 18

RELATED INSTRUCTION
ENGL 105 Applied Composition . . . 3
MATH 110 Applied Math for Technicians . . . 3
MIC 103 Computer Applications for Builders . . . 3
Following can be substituted:
MIC 203 Introduction to CAD . . . 3
PSYC 240 Psychology of Human Relations . . . 3

TOTAL PROGRAM CREDITS 84

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

TECHNICAL SPECIALTY COURSES
MRT 101 Introduction to Composite Boatbuilding . . . 14
MRT 102 Introduction to Marine Electrical Systems . . . 4
MRT 103 Wooden Boat Joinery and Repair . . . 10
MRT 104 Introduction to Marine Mechanical Systems . . 8
MRT 105 Advanced Composites . . . 14
MRT 106 Marine Electrical II . . . 4
WCO 110 Introduction to Professional Woodworking . . . 18

RELATED INSTRUCTION
ENGL 105 Applied Composition . . . 3
MATH 110 Applied Math for Technicians . . . 3
MIC 103 Computer Applications for Builders . . . 3
Following can be substituted:
MIC 203 Introduction to CAD . . . 3
PSYC 240 Psychology of Human Relations . . . 3
TOTAL PROGRAM CREDITS 102

Wood Technology: Cabinetmaking & Architectural Woodworking

This program prepares students for employment in the cabinetmaking and fine woodworking trades.

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

TECHNICAL SPECIALTY COURSES
WCO 110 Introduction to Professional Woodworking . . . 18
WCO 150 Cabinetmaking & Fine Woodworking . . . 18
WCO 153 Basic Cabinetmaking Fundamentals . . . 18
WCO 155 Advanced Cabinetmaking Architectural Woodworking Fundamentals . . . 18
WCO 157 Independent Capstone Project . . . 18

RELATED INSTRUCTION
ENGL 105 Applied Composition . . . 3
MATH 110 Applied Math for Technicians . . . 3
MIC 103 Computer Applications for Builders . . . 3
PSYC 240 Psychology of Human Relations . . . 3
TOTAL PROGRAM CREDITS 102
Wood Technology: Cabinetmaking & Fine Woodworking

This program prepares students for employment in the cabinetmaking and fine woodworking trades.

Certificate

**TECHNICAL SPECIALTY COURSES**
- **WCO 110** Introduction to Professional Woodworking... 18
- **WCO 150** Cabinetmaking & Fine Woodworking... 18
  - Preliminary Cabinetmaking Skills: Planning, Basic Layout & Shop Safety
  - Advanced Layout, Traditional & Contemporary Joinery, Residential & Commercial Cabinetry
  - Custom Furniture Design, Construction: Joinery, Veneering, Jigs, Finishing (Instructor permission required)
- **WCO 150** Cabinetmaking & Fine Woodworking... 18
  - Personal Projects (Instructor permission required)

**RELATED INSTRUCTION**
- **ENGL 105** Applied Composition 3
- **MATH 110** Applied Math for Technicians 3
- **MIC 103** Computer Applications for Builders 3
- **PSYC 240** Psychology of Human Relations 3
- **WCO 120** Construction & Marine Industrial First Aid 1

**TOTAL PROGRAM CREDITS** 103

Carpentry Fundamentals Short-Term Certificate

Wood Technology: Carpentry

Teaches the fundamental knowledge and skills of residential carpentry. Topics cover carpentry math, blueprint reading, building science, building site systems, foundation systems, and the selection and use of tools and material.

**TECHNICAL SPECIALTY COURSES**
- **WCO 142** Introduction to Carpentry and Blueprint Reading 4
- **WCO 143** Building Site System Site Selection to Layout 5
- **WCO 144** Foundation System Forms to Concrete Finishes 9

**TOTAL PROGRAM CREDITS** 18

Finish Fundamentals Short-Term Certificate

Wood Technology: Carpentry

Teaches basic knowledge and skills for applying exterior and interior carpentry finishes. Topics cover enclosure systems, siding, insulation, windows, drywall, trim work, and the selection and use of construction products and materials.

**TECHNICAL SPECIALTY COURSES**
- **WCO 148** Exterior Finishes Building Enclosure Finish Trim 9
- **WCO 149** Interior Finishes Door Installation to Trim 9

**TOTAL PROGRAM CREDITS** 18

Framing Fundamentals Short-Term Certificate

Wood Technology: Carpentry

Teaches basic knowledge and skills for building framing systems. Topics cover floor, ceiling, wall, roof, and stair system construction; building codes; best practices for improving a building’s energy and resource efficiency; and the selection and use of construction products and material.

**TECHNICAL SPECIALTY COURSES**
- **WCO 145** Framing Systems Floor to Ceiling 9
- **WCO 146** Roof System Framing to Roofing Installation 5
- **WCO 147** Stair System Rough Framing to Finished Stairwell 4

**TOTAL PROGRAM CREDITS** 18