



**SOUTH SEATTLE  
COLLEGE**

*One of the Seattle Colleges*

SOUTH

150

Welcome



## Welcome

Welcome to South Seattle College. South has educational opportunities to meet a wide variety of interests and needs, whether on the main campus in West Seattle, through online courses, or at one of the satellite campuses. Real-world experience is emphasized through team-learning projects and portfolio development or through internships and classes that engage students in the learning process.

The main campus is located on 87 wooded acres in West Seattle, overlooking downtown Seattle and Elliott Bay. The six-acre college arboretum is adjacent to the site of the developing Seattle Chinese Garden.

Students are offered a wide variety of educational opportunities, from certificates to Associate of Arts degrees and even bachelor's degrees. In addition to offering classes toward a bachelor's degree through our on-campus university partners, South offers three Bachelor of Applied Science degrees: Hospitality Management, Professional Technical Teacher Education, and Sustainable Building Science Technology.

South takes pride in celebrating a diverse campus that includes a wide mix of students from regions all over the globe. As a campus, South's faculty and staff are committed to student success and to helping students turn their academic dreams into reality. Start here, go anywhere!

## Getting Started at South

<b>Admissions</b>	<b>(206) 934-7943</b>
<b>Financial Aid</b>	<b>(206) 934-5317</b>
<b>Registration</b>	<b>(206) 934-7938</b>
<b>TDD</b>	<b>(206) 934-5845</b>

**[southseattle.edu](http://southseattle.edu)**

## 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

- Student Achievement
- Teaching and Learning
- College Culture and Climate
- Community Engagement and Partnerships



## Facts at a Glance\*

### 2017–2018 ANNUAL PROFILES

Annual attendance 2017–2018 15,257

#### Special Enrollments

Distance Education	4,985
Running Start	486
International Students	774
Worker Retraining	556

### FALL 2017 PROFILES

#### Students \*\*

Median age	28
Ethnic diversity	55%
Male/Female	59%/39%
With bachelor or higher degrees	9%
Employed	42%
full time	30%
With dependents	22%
single parents	9%
Full-time/Part-time attendance	33%/64%

#### Programs

College Transfer	32%
Workforce Education	51%
Basic Skills, Pre-college, and other	16%

#### Course Funding Sources

State-funded	74%
Contract-supported	10%
Student-supported	16%

\* Source: State Board for Community and Technical Colleges Data Warehouse and Seattle College District's Database.

\*\* State-funded

## Specialized Training Centers

### Georgetown Campus of South Seattle College

Apprenticeship & Education Center

Washington State Labor, Education and Research Center

6737 Corson Ave. S.

(206) 934-5350

[georgetown.southseattle.edu/](http://georgetown.southseattle.edu/)

South Seattle College's Georgetown campus is a leader in green and sustainability education, offering courses in residential energy auditing, weatherization, and specialized contract training. Located on the Georgetown campus is South's Apprenticeship & Education Center, one of the largest facilities of its type on the West Coast, serving apprentices and journey-level workers in more than 30 trades. Georgetown also houses Corporate & Customized Training, which provides a wide variety of training and services for the industrial business community.

The Washington State Labor, Education, and Research Center at Georgetown offers workshops and training for unions and other organizations concerned with economic justice.

The Georgetown campus received a 2008 Governor's Economic and Workforce Development Award and a 2009 Vision 2020 Award from the Puget Sound Regional Council. In 2013, the Manufacturing Academy won the National Council for Workforce Education's Outstanding Program Award.

### NewHolly Learning Center

7058 32nd Ave. S.

Second floor of the Learners Building

Seattle, WA 98118

(206) 934-6642

[southseattle.edu/programs/holly.htm](http://southseattle.edu/programs/holly.htm)

NewHolly is a community with the mission to foster the success of youth, adults, and families. In implementing this mission, South Seattle College, along with community partners, values and promotes services that build on strengths, diversity and multiculturalism, public-private collaboration, an open and engaged community, and a commitment to innovation. South Seattle College offers English as a Second Language (ESL) and a corrections training program at NewHolly.

### Harbor Island Training Center

1731 13th Ave. SW

Seattle, WA 98134

[southseattle.edu/harbor-island-training-center/](http://southseattle.edu/harbor-island-training-center/)

South Seattle College and Vigor have formed the Harbor Island Training Center, a public/private partnership located on-site at Vigor on Harbor Island. A college in a shipyard, South Seattle offers an intensive maritime welding program to train welders with the necessary certifications needed for the regional shipbuilding and repair community.

# Academic & Student Support Services

## Advising Center

(206) 934-5387  
[southseattle.edu/advising](http://southseattle.edu/advising)

The Advising Center assists students to define and meet their educational goals while providing effective referrals to other support services. Services provided by advisors include academic advising and educational planning, college transfer degree information, Professional Technical degree information, assistance with petitions for waivers and/or exceptions, assistance with academic difficulty, transfer planning, monitoring degree progress, and graduation applications. Advisors serve new students and students enrolled in college transfer, Professional Technical, high school diploma (ages 21+), General Education Development (GED®), English as a Second Language (ESL), and undecided students.

## Counseling Services

(206) 934-5387  
[southseattle.edu/counseling](http://southseattle.edu/counseling)

Counselors are faculty members who help students and prospective students establish and achieve educational, career, and personal goals based on a comprehensive assessment of their personalities, interests, skills, values, and other resources. South Seattle College has three full-time counselors who hold master's degrees in counseling.

## Career Services

### WorkSource Affiliate and Connection Sites

(WorkSource Affiliate Main Campus: (206) 934-5304

WorkSource Connection Site: (206) 934-5359  
[southseattle.edu/worksource/](http://southseattle.edu/worksource/)

Student & Alum Job Board: [seattlecolleges.edu/careerhub/](http://seattlecolleges.edu/careerhub/)

The WorkSource/Career Services Centers offer a full spectrum of employment services to students, alums, and community members, using an innovative “Embedded Career Services” approach that partners with faculty to help students obtain employment upon program completion.

The WorkSource/Career Services Centers have self-service labs with multiple computers, career exploration tools, and knowledgeable staff to assist in navigating the internet to apply for positions and research employers.

Individuals may schedule one-on-one appointments with embedded career specialists or WIOA staff members and community partners and participate in workshops focused on creating resumes and interviewing successfully.

## Class Schedule – Quarterly

(206) 934-5300  
[classes.southseattle.edu](http://classes.southseattle.edu)

Each college produces a quarterly Class Schedule listing the specific courses being offered that quarter. This schedule is available online approximately six weeks before the start of each quarter. View or download the online class schedule at the website above.

## Cultural Center

(206) 934-7969  
[southseattle.edu/cultural-center/](http://southseattle.edu/cultural-center/)

The Cultural Center empowers student leaders to explore, celebrate, and educate the campus community about the diversity among us. We offer an inclusive and reflective space, multicultural programming, and support services that encourage positive interaction, academic persistence, and growth among students, faculty, and staff.

## Disability Support Services Educational Support Services

(206) 934-5137 (voice)  
 TTY 1-800-833-6384 or 711 for  
 Washington State relay service  
[southseattle.edu/disability-support/](http://southseattle.edu/disability-support/)

Disability Support Services (DSS) coordinates services and arranges academic adjustments for students with disabilities at South Seattle College. The DSS Office provides accommodations to ensure physical and programmatic access to college services, programs, and activities.

To receive services, students complete an intake appointment in the DSS Office and provide documentation of disability. Individualized academic adjustments will then be determined. Please note that some services may require six weeks or more to arrange. Contact the DSS Office as early as possible in your educational planning to avoid delays in service.

This office also offers consultation and resources to faculty in providing academic adjustments to meet the needs of students with disabilities. Assistive technology is also available for student use on campus.

*Please see page 45 for specific details and additional information on eligibility and policies.*

## Information Technology Services (ITS)

(206) 934-5844

The college provides a high-speed network linking Windows-based workstations to the internet via a fiber-optic system. At our main campus, we have 27 instructional computer/lab classrooms and three open labs. Our remote sites, Georgetown and NewHolly, have two computer classrooms at each site. Each machine is equipped with a large variety of production software available for student use. Open computer labs are available for use by any student who pays the computer lab fee. A quarterly lab fee is charged at registration, and a student must have a valid Student ID number in order to log on to computers on campus.

## International Programs

### The Center for International Education

(206) 934-5360

email: [ip@seattlecolleges.edu](mailto:ip@seattlecolleges.edu)  
[southseattle.edu/international/](http://southseattle.edu/international/)

This office supports the development of global citizenship through programs and services for international students studying at South and for South students studying abroad. Key functions of the office include international student admissions and comprehensive support services, oversight of the Intensive English program, and development of resources and programming for faculty, staff, and student exchanges.

*See page 26 for additional information.*

## Library

(206) 934-5395

[libguides.southseattle.edu/home/](http://libguides.southseattle.edu/home/)

The library supports the college's mission by providing students, faculty, staff, and the community with the services, information, resources, and equipment necessary to accomplish the college's academic and institutional goals. The library acquires and maintains relevant collections in a variety of formats and offers services to promote their use and foster information literacy skills in patrons.

The library also plays an active role in the instructional program by offering course-related library instruction and by consulting with faculty about collection development and services. Goals include service excellence through timely, competent, and cheerful service; a comfortable physical environment; and responsiveness to the changing needs of patrons.

The library collection includes over 60,000 print books, reference volumes, and periodicals, as well as more than two dozen databases with access to thousands of periodicals, books, and other sources.

## Multicultural

### Office of Diversity & Retention

(206) 934-6455

[southseattle.edu/diversity-and-retention/](http://southseattle.edu/diversity-and-retention/)

The Diversity & Retention Department includes an Office of Diversity & Retention, President's Committee on Diversity and Retention, Cultural Center, Veterans Student Center, Women's Center. Diversity & Retention is a network of departments working together to foster an inclusive campus community by providing education about diversity, social justice, gender equity, and multiculturalism. We advocate for the persistence and success of student, faculty, and staff of color, as well as underrepresented groups, through academics, leadership opportunities, support services, programming and collegewide initiatives.

## Opportunity Grant Scholarship

(206) 934-5200

[southseattle.edu/resources/opportunitygrant.htm](http://southseattle.edu/resources/opportunitygrant.htm)

The goal of the Opportunity Grant Scholarship (OGS) is to assist low-income adults in reaching the educational tipping point and beyond in high-wage, high-demand professional technical careers by providing financial and student support services. Reaching the tipping point allows students to complete 45 credits, receive a credential, and increase job skills and knowledge through career pathways. Students are encouraged to visit the OGS website for further information and the application form.

## Student Assessment Services

(206) 934.6765

[southseattle.edu/sas/placement.htm](http://southseattle.edu/sas/placement.htm)

Student Assessment Services, as part of its assessment functions, administers placement tests, GED examinations, and various other instruments for students and our community. See the college website for the assessment calendar, links to practice sites, information about the tests, and more. Location: Room 76, Robert Smith Building.

## Student Success Programs

### AANAPISI

Asian American Native American Pacific Islander Serving Institution Program  
(206) 934-5196

[southseattle.edu/programs/aanapisi.htm](http://southseattle.edu/programs/aanapisi.htm)

South is one of the first institutions to be designated as an Asian American Native American Pacific Islander Serving Institution (AANAPISI).

The AANAPISI Center, located on the second floor of the Library, Room 220, is a great place to study and to receive services, including:

- Academic advising
- Professional development on understanding and working with AAPI students
- Deferrals to appropriate campus and community services
- Support from AAPI student groups, such as the Pacific Islander student club
- Study groups
- Tutoring services

### TRiO – Student Success Services

(206) 934-5326

[southseattle.edu/trio](http://southseattle.edu/trio)

Student Success Services promotes student retention by providing students with resources that help them progress in college, graduate, and transfer to four-year universities.

Key features include:

- Educating students about how the college system works and how to improve their academic performance and problem-solving skills
- Creating a welcoming environment where students feel a sense of belonging in the college setting
- Adapting college educational policies and services in response to wide-ranging and changing student development needs

The program's primary components are CLIC (Collaborative Learning and Instruction Center), transfer and scholarship assistance, and information regarding financial aid, economic literacy, and referrals to resources.

Student Success Services is funded through the U.S. Department of Education's Title IV TRiO grants. The program works with first-generation college students, low-income students, and physically and/or learning-disabled students, as outlined in the Department of Education guidelines. Students are encouraged to participate in the program throughout their attendance at South until they graduate or transfer.

## Transfer Resources

(206) 934-5387

Transfer resources are available to all students wanting to transfer to a four-year college or university to earn a bachelor's degree. Students are guided through the transfer process as they learn about admission guidelines, preparing for their major, writing personal statements, and other important topics. Transfer events, workshops, and fairs are hosted on campus throughout the academic year to connect students directly with representatives from the four-year schools.

## Tutoring Services

### Tutoring Center

(206) 934-6650

[southseattle.edu/tutoring/tutor-center.aspx](http://southseattle.edu/tutoring/tutor-center.aspx)

The South Seattle College Tutoring Center recognizes the complex needs of our diverse student population in academic and vocational programs. We support student success by providing a variety of free tutoring services, including drop-in centers, small-group tutoring, and online tutoring, to ensure that students receive the help they need in order to complete their educational goals. Students should contact the Tutoring Center for more information and schedules.

### MAST: The Math and Science Tutoring Center

(206) 934-6650

[southseattle.edu/tutoring/mast.aspx](http://southseattle.edu/tutoring/mast.aspx)

Drop-in help is available for all levels of math and science in Room 18, Robert Smith Building. Tutors are available to help students solve problems and improve their math, chemistry, physics, and statistics. Students can earn credit while working in MAST by signing up for MAT 089, MAT 090, or MAT 198.

### The MALL: Math and Learning Lab

(206) 934-6650

[southseattle.edu/tutoring/mall.aspx](http://southseattle.edu/tutoring/mall.aspx)

Drop-in help is available in Library Room 215 for students enrolled in developmental math classes. Emphasis is placed on learning good study skills along with individual help in problem solving.

### GEEK HAUZ: Computer Learning Center

(206) 934-6650

[southseattle.edu/tutoring/geek-hauz.aspx](http://southseattle.edu/tutoring/geek-hauz.aspx)

Drop-in tutoring assistance is available for students enrolled in computer technology courses and students who need help troubleshooting their computer problems. Schedules may vary based on student need.

## Writing Center

(206) 934-6412

[southseattle.edu/tutoring/writing-center.aspx](http://southseattle.edu/tutoring/writing-center.aspx)

The Writing Center in Library Room 205 assists students with their writing assignments and promotes writing across the curriculum. Students work with trained peer writing assistants who help them explore and develop ideas; clarify their thoughts; and produce a polished, finished product. User-friendly word processing programs are available for student use.

## Writing and Language Lab (The WALL)

(206) 934-6650

[southseattle.edu/tutoring/wall.aspx](http://southseattle.edu/tutoring/wall.aspx)

The Writing and Language Lab (The WALL) in Room 16, Robert Smith Building, assists students with their writing assignments and oral presentations and study skills. Students work with faculty or tutors and in study groups in a lab setting. The WALL is particularly designed for students who do not speak English as their first language and for students in the Adult Basic Education program. However, all students enrolled at South are welcome

## Online Tutoring

(206) 934-6650

[southseattle.edu/tutoring/online.aspx](http://southseattle.edu/tutoring/online.aspx)

South Seattle College is a member of the Northwest E-Tutoring Consortium and offers free online tutoring in all subject areas. Students who can't meet with tutors during our normal operating hours are invited to explore the e-tutoring service. Anyone registered at South may use this service to receive online tutoring in writing, math, accounting, biology, and numerous other academic subjects.

## BUS/ACCT: Business & Accounting Center

(206) 934-6650

[southseattle.edu/tutoring/](http://southseattle.edu/tutoring/)

Drop-in help is available in OLY 205 for students enrolled in business and accounting classes.



## Veterans Affairs

(206) 934-5811

[southseattle.edu/veterans/](http://southseattle.edu/veterans/)

The Veterans Affairs Office at South Seattle serves as a liaison between military veterans, dependents, reservists/guardsmen, and disabled veterans (military service-connected disabilities) and the Department of Veterans Affairs. The office also approves state tuition waivers for eligible veterans and their dependents and is the primary contact for assistance with completing the necessary paperwork required to obtain veteran educational benefits and for guidance on VA regulations regarding educational benefits.

*See page 34 for further veterans' assistance and financial aid information.*

## Women's Center

(206) 934-6801

[southseattle.edu/womens-center/](http://southseattle.edu/womens-center/)

The Women's Center is dedicated to supporting the academic, personal, and professional success of women in the campus community by providing resource referrals, educational programs, and opportunities that address gender equity and women's issues and concerns in a friendly, supportive environment for individuals of all gender identities. Visit Room 148, Brockey Student Center.

## WorkForce/BFET Programs

(206) 934-5835

[southseattle.edu/programs/workforce-education](http://southseattle.edu/programs/workforce-education)

The Workforce Education Office can help you enter or re-enter the workforce through career training, financial aid assistance, job placement assistance, and academic planning. These services are designed to help you achieve your personal and professional goals. Workforce Education's various tuition assistance programs include dislocated workers, low-income adults, and recipients of Temporary Assistance for Needy Families (TANF) and/or federally issued basic food benefits (SNAP). If you qualify, you may be eligible for help with required tuition, fees, books, and transportation. Academic planning and job-placement assistance is also available to qualifying students.

# Student Life

## Art Gallery

(206) 934-5337

[southseattle.edu/art-gallery](http://southseattle.edu/art-gallery)

The mission of the art gallery is to promote understanding and the appreciation of the arts within the South Seattle College campus and in the surrounding communities. The art gallery mounts exhibitions that contribute to education and cultural enrichment while engaging the college community in learning opportunities and supporting cultural and artistic diversity.

## Bookstore

(206) 934-5338

[southsc.bnccollege.com](http://southsc.bnccollege.com)

The Bookstore carries new, used, rental, and digital textbooks, as well as school supplies, clothing, gifts, food, beverages, and greeting cards. Textbooks and other supplies may be purchased online for store pickup or direct shipping. The Bookstore also offers cash for books. The best time to sell is finals week of each quarter.

## Childcare Center

(206) 934-5348

The Childcare Center is state-certified and provides quality care for children of South Seattle College students, employees, and the community. Since 1976, the program has offered a convenient on-campus location with a family-oriented atmosphere, parent education opportunities, flexible scheduling, and a curriculum that stimulates and challenges toddlers and preschool-aged children while providing them with an opportunity to gain socialization skills. Staff trained in early childhood development create a welcoming and supportive environment. Contact the Childcare Center for specific information regarding enrollment, fees, and hours.

## Copy Center

(206) 934-6662

The Copy Center is located in the Library. Printing is done by Copy Center staff or on a self-service copier. Various sizes and colors of paper, including resume quality, are available. The Copy Center also creates transparencies for classroom presentations.

## Food Services

(206) 934-5344

A variety of meal and snack selections is available in the campus cafeteria, deli, and grill, ranging from complete hot meals or quick food items to custom-made sandwiches, beverages, snacks, and takeout items. Both breakfast and lunch items are available.

In addition, the Culinary Arts and Baking and Pastry Arts students prepare and serve award-winning cuisine in two dining rooms, also located in the Food Science Building. The Café Alki offers cold starter plates, soups, sandwiches, and a selection of moderately priced hot food entrees. The Alhadeff Grill, with more upscale dining, offers a full menu. The dining rooms are open for lunch weekdays during the instructional quarter. Reservations are encouraged.

Bernie's Pastry Shop, located in Cascade Court, is a retail sales outlet featuring baked goods prepared by students during the instructional quarter, as well as soups, sandwiches, coffee, espresso, cold beverages, and more.

## Housing

(206) 934-5332

On-campus housing is not available. However, a bulletin board located in the Jerry Brockey Student Center lists various accommodations available in the local area. Check out the bulletin board for housing needs, or phone with room or apartment rental availability. Flyers can be posted in the Brockey Student Center, Room 135.

## Recreation & Intramurals

(206) 934-6670

[southseattle.edu/student-life/campus-recreation](http://southseattle.edu/student-life/campus-recreation)

Campus Recreation at South includes the Games Room, Fitness Center, outdoor sports court facilities, recreational activities, and intramural sports. The staff, through facilities and services, provides health, wellness, nutritional, and personal growth programs that complement overall learning outcomes and promote student retention and success.

The Games Room offers gaming systems, billiards tables, table tennis, and board games, as well as sports equipment for checkout with a student ID.

Campus Recreation also offers excursions to professional sports games, hiking, kayaking, and team sports on a clubs/intramurals level. Recreational clubs and sports clubs can be formed through our campus recreation department. Contact the recreation coordinator or visit the Game Room Office in the Brockey Student Center, Room 152.

## Fitness Center

(206) 934-6471

[southseattle.edu/student-life/campus-recreation/fitness-center.aspx](http://southseattle.edu/student-life/campus-recreation/fitness-center.aspx)

The Fitness Center provides the campus community with an opportunity to promote a healthy lifestyle at this weightlifting and training facility. Cardio equipment (treadmills, ellipticals, stepmill, arc trainer, bikes, and rowing machines), resistance equipment (cable weight machines and free weights), lockers, and showers are available. Student ID is required. The Fitness Center is located in the Multi-Purpose Building/Fitness Center. Check the website for updated hours.

## Safety

(206) 934-5157

Student well-being and safety are of the utmost importance. It is vital that students follow strict safety procedures with equipment in all classes, especially technical-vocational classes. In the event of an on-campus accident or injury, the incident should be reported to the Security Office so an accident report can be completed. Students should immediately call 911 for serious injuries. Instructors must be notified if the accident occurs during class.

*For further information on personal safety, see page 42.*

## Student Clubs

(206) 934-5330

By getting involved in clubs, students participate in team-building exercises, participate in the campus community, and strengthen their organizational and leadership skills. Students also have the opportunity to organize new student clubs at South. For more information and a list of current student clubs, please contact the club center coordinator or visit the Student Life Office in Brockey Center.

## Student Government

(206) 934-6751

The United Student Association (USA) is the official governing body for students at South. Student officers are elected each spring to represent student interests. The USA meets weekly. For more information about how to get involved and/or how to become a paid student representative, contact the USA president or vice president. Office mailboxes are located in the Student Life Office, Room 119.

## Services and Activities Fee Board

S&A fees are quarterly fees that some students pay as part of their tuition/registration fees. The purpose of the S&A Fee Board is to monitor S&A-fee-allocated funds and departmental expenditures throughout the academic year, allocate S&A fee money on an annual basis, develop and maintain long-term fiscal plans for S&A fee carryforward/savings, and develop guidelines and address issues related to S&A fees. The S&A Fee Board is made up of five students – one from student government, one from student clubs, and three students at large (chair, treasurer, and communications director) – who meet weekly in the Student Life Office.

## Student Leadership

Develop personal and leadership skills while attending college. Student Life provides monthly workshops, funding to attend local and regional student conferences, and opportunities to advocate for student interests by serving on campuswide committees. Contact the United Student Association advisor for more information.

## Student Leadership Development Transcript

Document your extracurricular involvement at South by signing up for the Student Leadership Development Transcript. Include this document in your university admissions packets and scholarship and job applications. For more information, contact the United Student Association advisor.

## Student Insurance

For brochures on student insurance, stop by the Cashier's Office in RS41 or call (206) 934-5388.

## Student Life Office

(206) 934-5332

[studentlife.southseattle.edu/index.html](http://studentlife.southseattle.edu/index.html)

The Office of Student Life in Room 135 of the Brockey Student Center oversees several areas in order to support and assist students in making their experience at South Seattle a successful one, including Phi Theta Kappa Honor Society, student activities, lost and found, student clubs, United Student Association (USA), student development transcript, and a student lounge with free coffee and tea.



# Affiliate Organizations

## Transportation & Parking

Transportation Coordinator  
Room 62A, Robert Smith Building  
[southseattle.edu/services/parking.aspx](http://southseattle.edu/services/parking.aspx)

### Bus Service

(206) 553-3000 (Metro rider information)

Due to space limitations and environmental concerns, carpooling and bus transportation are strongly encouraged. Students registered for 10 or more credits are eligible to purchase a discounted ORCA transit pass issued by the college at the Cashier's Office. The ORCA pass may be used to ride Community, Everett, Kitsap, Metro, Pierce, and Sound Transit. For inquiries about other transportation options and benefits, contact the campus transportation coordinator.

### Parking Services

(206) 934-5157

Parking on campus is available to registered students with the purchase of a student parking permit. Permits are available for purchase 30 days prior to the start of the quarter at [seattlecolleges.edu/ParkingPermit](http://seattlecolleges.edu/ParkingPermit).

Carpool parking is also available. Please see the Security and Transportation Office for details. Parking rules and Washington state motor vehicle laws are enforced. The campus speed limit is 15 mph. Daily parking is available for purchase at the Cashier's Office or at a parking permit machine located near the parking lots.

## Veterans Student Center

(206) 934-5308

[southseattle.edu/veterans-student-center/](http://southseattle.edu/veterans-student-center/)

The Veterans Student Center in Cascade Court 120 is committed to ensuring that military, veterans, and their families successfully make the transition from the military environment to campus life and are assisted in their progress toward the completion of their educational goals. The Veterans Student Center provides services and activities and coordinates with other campus departments, such as Academic Advising and Counseling, Educational Support Services, and Veteran Affairs.

## South Seattle College Foundation

(206) 934-5809

[southseattle.edu/foundation/fomain.htm](http://southseattle.edu/foundation/fomain.htm)

The South Seattle College Foundation, a nonprofit 501(c)(3) tax-exempt organization, promotes and supports educational programs and training pursuits. Since its inception in 1981, the South Foundation has received more than \$10 million in contributions from individuals, clubs and organizations, corporations, and foundations.

The South Foundation serves an increasingly important role in supporting college programs and students.

Foundation scholarships, which provide prepaid tuition, are awarded three times each year. Interested students should contact the Foundation Office for an application.



# Programs of Study at South



## General Education Definition and Rationale

See page 4.

## General Education Learning Outcomes

Student Learning Outcomes are also known as General Education Requirements. These are the knowledge and abilities every student should have upon graduating with a certificate or degree from South Seattle College. While each academic or technical program has its own specific outcomes, these outcomes are the core curriculum for the college.

### Communication

- Read and listen actively to learn and communicate
- Speak and write effectively for personal, academic, and career purposes

### Computation

- Use arithmetic and other basic mathematical operations as required by program of study
- Apply quantitative skills for personal, academic and career purposes

### Human Relations

- Use social skills to work in groups effectively
- Have knowledge of the diverse cultures represented in our multicultural society

### Critical Thinking & Problem-Solving

- Think critically in evaluating information, solving problems, and making decisions

### Technology

- Select and use appropriate technological tools for personal, academic, and career tasks

### Personal Responsibility

- Uphold the highest standards of academic honesty and integrity
- Respect the rights of others in the classroom, online, and in all other school activities.
- Attend class regularly, complete assignments on time, and effectively participate in classroom and online discussions, group work, and other class-related projects and activities.
- Abide by appropriate safety rules in laboratories, shops, and classrooms

### Information Literacy

- Have knowledge about legal and ethical issues related to the use of information
- Use information effectively and ethically for a specific purpose.

## Associate of Science Degree Learning Outcomes

Students who successfully complete this program will show:

- An ability to apply knowledge of mathematics and science to complex problems
- An ability to design and conduct experiments, as well as to analyze and interpret data
- An ability to think critically in evaluating information, solving problems, and making decisions
- An ability to function on diverse, multidisciplinary teams
- An ability to access and evaluate information from a variety of sources, including the Internet
- An understanding of professional and ethical responsibility
- An ability to communicate effectively with written, oral, and visual means
- The broad education necessary to understand the impact of scientific and engineering solutions in a global and societal context
- A recognition of the need for and an ability to engage in lifelong learning
- An ability to use modern scientific and engineering techniques, skills, and technology necessary for scientific and engineering practice

# 9 Directions for Your Education and Training

1. College Transfer
2. Professional Technical Programs
3. Bachelor's Degrees
4. Continuing & Contract Education
5. Bridge to College/Pre-College
6. eLearning/Distance Education
7. International Programs
8. Worker Retraining Program
9. Georgetown Campus  
*Apprenticeship & Education Center*

## 1

## College Transfer

### Academic Programs

(206) 934-6600

South Seattle College offers the Associate of Arts (A.A.) degree to meet the general education requirements for four-year baccalaureate degrees in arts and sciences. In addition to the general A.A. degree, the college offers an A.A. option in Asian and Pacific Islander Studies, an Associate in Business – Direct Transfer Agreement/Major-Ready Program (A.B.-DTA/MRP). The college also offers an Associate of Science (A.S.) transfer degree, with several major-specific pathways (or “tracks”), which include Biology, Chemistry, Computer Science, Physics, and various Engineering specialties. Students should contact an advisor for details.

Students are encouraged to attain an Associate of Arts or Associate of Science transfer degree at South in order to ease transfer to a four-year institution, but students may also take individual classes for transfer. Students should confer with an academic advisor to ensure course transferability to their target four-year institution.

Students may be required to complete work in the college preparatory program if their records and test scores indicate a need for additional preparation in order to complete a degree program. College preparatory courses are not credited toward transfer degree requirements. College transfer courses at South Seattle College are offered in several disciplines, including the following:

- Accounting
- Anthropology
- Art
- Astronomy
- Biology
- Business
- Chemistry
- Communication
- Computer Science
- Drama
- Economics
- English
- Engineering
- Environmental Science
- General/Biological Science
- Geology
- Health
- History
- Humanities
- Mathematics
- Music
- Nutrition
- Philosophy
- Physics
- Political Science
- Psychology
- Sociology
- World Languages

*See pages 5-9 for college transfer course requirements for A.A. or A.S. degree.*

### Associate of Arts (A.A.) Degree Direct Transfer Agreement

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 grade point average of 2.0 or better in courses numbered 100 and above, complete at least 15 credits at the college awarding the degree, and meet the requirements outlined below.

Students should contact college advising offices for listings of courses that satisfy degree requirements. Students planning to transfer to a four-year institution should be aware that they must complete all admission requirements for their destination institution. In addition, students are encouraged to give early consideration to possible majors and obtain information about requirements for these majors at their destination college or university.

**BASIC REQUIREMENTS**

Total Basic Requirements of 15 credits is comprised of 10 credits from the courses listed below and 5 credits from Quantitative/Symbolic Reasoning section that follows

ENGL& 101	English Composition	. . . . .	.5
ENGL& 102	Composition II	. . . . .	.5
<b>BASIC REQUIREMENTS CREDITS</b>			<b>15</b>

**BASIC REQUIREMENTS – QUANTITATIVE/SYMBOLIC REASONING**

Students completing the QSR requirement will be able to use quantitative or symbolic reasoning to understand, analyze, interpret, and solve problems. Successful completion of any of the following classes satisfies the QSR requirement for Seattle Colleges. These courses may also satisfy the QSR requirement at baccalaureate institutions. Students should check the requirements of their destination institution.

Select five credits from the courses listed below:

MATH& 107	Math in Society	. . . . .	.5
If using MATH &107 to meet both the IA proficiency requirement and the QSR requirement, students must earn a minimum 2.0 grade in the course.			
MATH 116	Q Applications of Math to Management Life & Social Sciences	. . . . .	.5
MATH& 131	Math for Elementary Education 1	. . . . .	.5
MATH 120, &13, and &132 do not meet the QSR requirement at the University of Washington.			
MATH& 132	Math for Elementary Education 2	. . . . .	.5
MATH 120, &131, and &132 do not meet the QSR requirement at the University of Washington.			
MATH 136	Inferential Statistics	. . . . .	.5
MATH& 141	Precalculus I	. . . . .	.5
MATH& 142	Precalculus II	. . . . .	.5
MATH& 146	Introduction to Statistics	. . . . .	.5
MATH& 148	Business Calculus	. . . . .	.5
MATH& 151	Calculus I	. . . . .	.5
MATH& 152	Calculus II	. . . . .	.5
MATH& 163	Calculus III	. . . . .	.5
MATH 220	Q – Linear Algebra	. . . . .	.5
MATH 224	Q – Vector Calculus	. . . . .	.5
MATH 238	Q – Differential Equations	. . . . .	.5
PHIL& 120	Symbolic Logic	. . . . .	.5

<b>QUANTITATIVE/SYMBOLIC REASONING CREDITS</b>			<b>5</b>
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**ELECTIVES**

Electives include:

- All college transfer courses numbered 100 or above
- Accounting, business administration and transfer engineering classes
- Physical Education activity courses (3-credit maximum)

- A maximum of 15 credits from a combination of the following:
  - Workforce Education Professional Technical courses numbered 100 and above
  - Human Development courses (HDC) numbered 100 and above (6-credit maximum)
  - Library research courses (6-credit maximum)
  - Cooperative Work Experience (CWE) courses numbered 100 and above (5-credit maximum)

<b>ELECTIVES PROGRAM CREDITS</b>	<b>30</b>
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**AREAS OF KNOWLEDGE DISTRIBUTION**

Visual, Literary, and Performing Arts	. . . . .	15
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.	. . . . .	15
Choices must include a minimum of two different course prefixes.		
The Natural World	. . . . .	15
Choices must include a minimum of two different prefixes; 5 credits must be in a lab science. Students may choose up to 5 credits from the following list of courses: Anthropology, Computer Science, Engineering, Geography, Mathematics, Philosophy OR Psychology.		

<b>AREAS OF KNOWLEDGE DISTRIBUTION CREDITS</b>	<b>45</b>
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<b>TOTAL PROGRAM CREDITS</b>	<b>90</b>
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**Associate in Business Direct Transfer Agreement (DTA)**

This degree is suited for students planning to transfer into a baccalaureate business degree program. It will satisfy the lower-division education requirements for business degrees at Washington’s public four-year colleges and universities including accounting & business courses.

**BASIC REQUIREMENTS**

**Communication Skills**

ENGL& 101	English Composition I	. . . . .	.5
ENGL& 102	Composition II	. . . . .	.5
<b>COMMUNICATION SKILLS CREDITS</b>			<b>10</b>

**Quantitative/Symbolic Reasoning Skills**

MATH&148	Business Calculus	. . . . .	.5
Following can be substituted:			
MATH 151	Calculus I	. . . . .	.5

<b>QUANTITATIVE/SYMBOLIC REASONING SKILLS CREDITS</b>	<b>5</b>
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<b>BASIC REQUIREMENTS CREDITS</b>	<b>15</b>
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**DISTRIBUTION REQUIREMENTS**

**Visual, Literary and Performing Arts**

Choose from a minimum of two different prefixes - must include five credits in Communication (CMST)

Communication . . . . .	5
<b>VISUAL, LITERARY, AND PERFORMING ARTS CREDITS</b>	<b>15</b>

**Individuals, Cultures, and Societies**

ECON&201 Micro Economics . . . . .	5
ECON&202 Macro Economics . . . . .	5
ECON&202 satisfies Global Studies requirement.	
U.S. Cultures . . . . .	5

<b>INDIVIDUALS, CULTURES, AND SOCIETIES CREDITS</b>	<b>15</b>
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**The Natural World**

MATH 116 Application of Math to Management, Life & Social Sciences. . . . .	5
Elective . . . . .	5
Lab Science . . . . .	5

<b>THE NATURAL WORLD CREDITS</b>	<b>15</b>
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<b>DISTRIBUTION REQUIREMENTS CREDITS</b>	<b>45</b>
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**BUSINESS ELECTIVES**

ACCT& 201 Principles of Accounting I . . . . .	5
ACCT& 202 Principles of Accounting II . . . . .	5
ACCT& 203 Principles of Accounting III . . . . .	5
BUS 210 Business and Economic Statistics . . . . .	5
Following can be substituted:	
MATH&146 Intro to Statistics . . . . .	5
Elective . . . . .	5

<b>BUSINESS ELECTIVES CREDITS</b>	<b>30</b>
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<b>TOTAL PROGRAM CREDITS</b>	<b>90</b>
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Note: While many Washington state universities accept transfer of this degree, each has individual requirements and/or acceptable course substitutions needed for their specific programs. Also, admission to many business schools is competitive and higher grades are often required. It is essential to learn the requirements of your transfer school and to consult Advising Services.

**Associate of Arts – Emphasis in Asian Studies (A.A.)**

The Associate of Arts (A.A.) degree with an emphasis in Asian Studies is intended to be a transferable two-year degree designed for students planning to transfer to a four-year institution offering a baccalaureate degree in Asian Studies. This degree currently offers two regional areas of focus: Eastern Asia and Southeastern Asia. Students have the opportunity to expand their knowledge of art, culture, history, language, literature, and the religions of these diverse regions. Students should contact the Advising office for details.

**Associate of Science (A.S.) Transfer Degree – Pre-Major Program**

This two-year Associate of Science degree program is designed for those who intend to pursue a bachelor's, master's, or doctoral degree in the following areas:

- Atmospheric Sciences
- Biological Sciences
- Chemistry
- Computer Science
- Engineering
- Environmental Sciences
- Geology
- Mathematics
- Medicine
- Pharmacy
- Physics

**BASIC REQUIREMENTS**

Select from the following depending on pre-major area:

ENGL& 101 English Composition I . . . . .	5
MATH& 146 Introduction to Statistics . . . . .	5
MATH& 151 Calculus I . . . . .	5
MATH& 152 Calculus II . . . . .	5

<b>BASIC REQUIREMENTS CREDITS</b>	<b>20</b>
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**AREAS OF KNOWLEDGE**

Courses taken must have at least three different prefixes and must be from both areas:

Visual, Literary, and Performing Arts . . . . .	5
Individual, Cultures, and Societies. . . . .	5

<b>AREAS OF KNOWLEDGE CREDITS</b>	<b>15</b>
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**MAJOR AREAS OF STUDY**

The number of credit requirements for major areas of study vary depending on pre-major. Students should consult with an advisor before preparing their academic plan.

<b>MAJOR AREAS OF STUDY CREDITS</b>	<b>55-58</b>
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<b>TOTAL PROGRAM CREDITS</b>	<b>90</b>
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**Associate in Business (A.B.) Degree DTA/MRP**

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.

ENGL& 101 English Composition I . . . . .5  
 ENGL& 102 Composition II . . . . .5  
 MATH& 148 Business Calculus . . . . .5  
 Following can be substituted:  
 MATH&151 Calculus I. . . . .5  
 This course meets the Quantitative/Symbolic Reasoning Requirement  
 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  
 BUS 210 Business and Economic Statistics . . . . .5  
 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.  
 Visual, Literary, and Performing Arts . . . . .15  
 Minimum of two different subjects.  
 No more than 5 credits in a studio/performance course and 5 credits in a foreign language.  
 Recommended course: CMST&220 Public Speaking  
 Individual, Cultures, and Societies. . . . .5  
 Select course with a non-ECON prefix from the list from approved courses.  
 The Natural World . . . . .10  
 Minimum of two different subjects.  
 Recommended course: MATH 116 Application of Math to Management, Life, & Social Sciences  
 Natural World – Lab Science . . . . .5  
 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 their specific programs. Also, admission to many business schools is competitive and higher grades are often required. It is essential to learn the requirements of your transfer school and to consult Advising Services.

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

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.

### BASIC REQUIREMENTS – ENGLISH

ENGL& 101 English Composition I . . . . .5  
 ENGL& 102 Composition II . . . . .5

### BASIC REQUIREMENTS – MATHEMATICS

Choose five credits from the following courses:

MATH 116 Application of Math to 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 Linear Algebra . . . . .5  
 MATH 224 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

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

The Associate of Arts (A.A.) is a flexible degree that prepares students to transfer to a four-year institution in a variety of majors related to the humanities, literature, political science, psychology, sociology, and more. A.A. degree students receive a broad education in English composition, quantitative reasoning, and social and natural sciences. Students complete 90 credits, tailored to meet individual academic goals. Students are strongly encouraged to meet with an advisor to discuss specific career goals and recommended coursework.

### ELECTIVES

See advisor for list of approved courses.

### AREAS OF KNOWLEDGE DISTRIBUTION REQUIREMENTS

See advisor for list of approved courses.

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

The Associate of Science degree: Option 1 is intended for students planning to transfer to a four-year college or university and major in biology, environmental/resource sciences, chemistry, geology, or earth sciences.

Students will 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 adviser to discuss specific career goals and recommended coursework.

### BASIC REQUIREMENTS – ENGLISH

ENGL& 101	English Composition I	5
ENGL& 102	Composition II	5

### BASIC REQUIREMENTS – MATHEMATICS

Choose five credits from the following courses:

MATH 116	Application of Math to 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	Linear Algebra	5
MATH 224	Vector Calculus	5

### BASIC REQUIREMENTS – COMPUTER SCIENCE

Choose five 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	15
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	15
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	40
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
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## 2 Professional & Technical Programs

See page 174 for details about South's programs.

## 3

## Bachelor's Degrees

South Seattle College offers three Bachelor of Applied Science degrees: Hospitality Management, Professional Technical Education and Instructional Design, and Sustainable Building Science Technology. These degrees build on associate degrees that provide workplace skills in specific career areas. When compared with traditional bachelor's degrees, applied baccalaureate degrees incorporate more applied, hands-on learning focused on a particular industry. They are designed with strong internship components and may offer credit for prior learning.

*Tuition rates are different for upper-division courses; see the rate chart on page 19.*

### Hospitality Management

**Technical Education**  
(206) 934-5394

The Bachelor of Applied Science (B.A.S.) in Hospitality Management at South Seattle College prepares those students who have completed a two-year technical degree or approved associate degree with a broad skill set of competencies in the hospitality industry.

Students take upper-division classes to prepare for management, marketing, human resource, and technical positions in all facets of the hospitality industry, including tourism, hotel operation, restaurant management, catering, cruise ship-casino operations, and travel. Students will have opportunities to gain occupational competencies through internships and networking with industry leaders.

This program is unique in its focus to provide applied management training to students in the region's largest hospitality industry.

For detailed information on admissions criteria or other requirements refer to the Hospitality Management Student Handbook. Contact the Technical Education Office for a copy.

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

A.A.S.-T degree with minimum of 25 generalized credits

#### PREREQUISITES

Courses taken a part of transfer degree can be used to meet requirements below

ENGL& 101	English Composition I . . . . .	5
	Can be used to meet electives requirement.	
MATH& 107	Math in Society . . . . .	5
	Following can be substituted:	
	Higher-level MATH course	
	Can be used to meet electives requirement.	

PSYC& 100	General Psychology . . . . .	5
	Can be used to meet electives requirement.	
Visual, Literary, and Performing Arts	. . . . .	10
	Can be used to meet electives requirement.	
General Education course(s)	. . . . .	25

#### TECHNICAL SPECIALTY COURSES

HMG 301	Introduction to Hospitality . . . . .	3
HMG 302	Hospitality Management . . . . .	5
HMG 303	Hospitality Marketing . . . . .	5
HMG 310	Hospitality Computer Applications . . . . .	3
HMG 311	Lodging Operations . . . . .	3
HMG 312	Legal Issues in Hospitality . . . . .	3
HMG 313	Entrepreneurship . . . . .	3
HMG 314	Diversity and Culture in Travel and Tourism . . . . .	5
HMG 401	Cost Controls . . . . .	5
HMG 402	Hospitality Accounting . . . . .	5
HMG 411	Human Resource Management . . . . .	3
HMG 412	Service Operations Management . . . . .	5
HMG 420	Ethical Leadership . . . . .	3
HMG 489	Professional Career Development . . . . .	1
HMG 490	Internship Lecture . . . . .	3
HMG 491	Hospitality Management Capstone . . . . .	5

#### GENERAL EDUCATION COURSES

BUS 210	Business and Economic Statistics . . . . .	5
CMST& 220	Public Speaking . . . . .	5
ECON& 201	Micro Economics . . . . .	5
ENGL& 102	Composition II . . . . .	5
NTR 150	Human Nutrition . . . . .	5
General Education Elective	. . . . .	5
	Credits from A.A.S.-T degree can be used to fulfill this requirement.	
Lab Science	. . . . .	5
	See Advising for list of approved courses.	
General Education course(s)	. . . . .	25
	Credits from A.A.S.-T degree can be used to fulfill this requirement.	

#### ELECTIVES

ENGL& 101	English Composition I . . . . .	5
	Credits from A.A.S.-T degree can be used to fulfill this course.	
MATH& 107	Math in Society . . . . .	5
	Credits from A.A.S.-T degree can be used to fulfill this course.	
PSYC& 100	General Psychology . . . . .	5
	Credits from A.A.S.-T degree can be used to fulfill this course.	
Visual, Literary, and Performing Arts	. . . . .	10
	Credits from A.A.S.-T degree can be used to fulfill this course.	
Elective	. . . . .	35
	See Advising for list of approved courses.	

**TOTAL PROGRAM CREDITS** . . . . . 90



## Professional Technical Education and Instructional Design

### Technical Education

The Bachelor of Applied Science (B.A.S.) degree in Professional Technical Teacher Education (Teach Tech) is a 90-credit program that offers industry professionals a pathway to becoming a skilled technical education teacher.

B.A.S. Teach Tech is intended for students who: (1) have completed a two-year Associate of Applied Science – Transfer (A.A.S.-T) degree or another approved associate transfer degree, and (2) have at least two years of industry-specific work experience.

The program emphasizes upper-division coursework that focuses on the complexities of the adult learner, the role of community colleges in society, and issues of equity. Students will learn how to shift their focus from teaching purely for content mastery to student-centered learning and leadership.

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

A.A.S.-T degree with minimum of 25 generalized credits

#### PREREQUISITES

Courses taken a part of transfer degree can be used to meet requirements below

ENGL& 101	English Composition I . . . . .	5
	Can be used to meet electives requirement.	
MATH& 107	Math in Society . . . . .	5
	Following can be substituted:	
	Higher-level MATH course	
	Can be used to meet electives requirement.	
PSYC& 100	General Psychology. . . . .	5
	Can be used to meet electives requirement.	
Visual, Literary, and Performing Arts	. . . . .	5
	Can be used to meet electives requirement.	
The Natural World . . . . .		5
	Can be used to meet electives requirement.	
General Education course(s). . . . .		25

#### TECHNICAL SPECIALTY COURSES

PTE 301	Workforce Instructional Methods and Materials . . .	3
PTE 302	Course Development Design . . . . .	3
PTE 310	Managing the Learning Environment . . . . .	3
PTE 311	Technology in Learning . . . . .	3
PTE 312	American Community College. . . . .	3
PTE 314	Professional Portfolio . . . . .	3
PTE 315	Workforce Experience Practicum . . . . .	10
PTE 325	Organizational Leadership . . . . .	2
PTE 345	Adult Learning . . . . .	5
PTE 401	Student Support and Guidance . . . . .	3
PTE 402	Assessment of Learning Performance. . . . .	3
PTE 420	Legal Issues and Ethics in Education . . . . .	3
PTE 460	Diversity and Globalism in Education . . . . .	3
PTE 468	Program Management and Recruitment . . . . .	3
PTE 489	Professional Development Certification . . . . .	1
PTE 490	Teaching Internship. . . . .	10
PTE 495	Capstone. . . . .	3

### GENERAL EDUCATION COURSES

CMST& 220	Public Speaking . . . . .	5
ENGL& 102	Composition II . . . . .	5
LIB 180	Research for the 21st Century . . . . .	5
PHIL& 101	Introduction to Philosophy . . . . .	5
SOC& 101	Introduction to Sociology . . . . .	5
Visual, Literary, and Performing Arts	. . . . .	5
	Individual, Cultures, and Societies . . . . .	10
General Education Elective . . . . .		10
	Credits from A.A.S.-T degree can be used to fulfill this requirement.	
Lab Science . . . . .		5
	See Advising for list of approved courses.	
General Education course(s). . . . .		25
	Credits from A.A.S.-T degree can be used to fulfill this requirement.	

### ELECTIVES

ENGL& 101	English Composition I . . . . .	5
	Credits from A.A.S.-T degree can be used to fulfill this course.	
MATH& 107	Math in Society . . . . .	5
	Credits from A.A.S.-T degree can be used to fulfill this course.	
PSYC& 100	General Psychology . . . . .	5
	Credits from A.A.S.-T degree can be used to fulfill this course.	
Visual, Literary, and Performing Arts . . . . .		5
	Credits from A.A.S.-T degree can be used to fulfill this course.	
The Natural World . . . . .		5
	Credits from A.A.S.-T degree can be used to fulfill this course.	
Elective . . . . .		35
	See Advising for list of approved courses.	
<b>TOTAL PROGRAM CREDITS</b>		<b>90</b>

## Sustainable Building Science Technology

### Technical Education

The Bachelor of Applied Science (B.A.S.) in Sustainable Building Science Technology (SBST) program will prepare you to apply expertise and systems knowledge to support highly technical building operations. The SBST degree, which builds on your prior education and work experience, positions you to launch a career where you understand building functions and finance in order to manage structures that are healthier and more durable, efficient, economical, and sustainable.

This degree program offers you a pathway to becoming a skilled building science professional. SBST emphasizes upper-division coursework that focuses on the complexities of building science, energy codes, building codes, and facility management.

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

A.A.S.-T degree with minimum of 25 generalized credits

### PREREQUISITES

Courses taken a part of transfer degree can be used to meet requirements below.

ENGL& 101	English Composition I . . . . .	5
	Can be used to meet electives requirement.	
MATH& 107	Math in Society . . . . .	5
	Following can be substituted:	
	Higher-level MATH course	
	Can be used to meet electives requirement.	
PSYC& 100	General Psychology. . . . .	5
	Can be used to meet electives requirement.	
Visual, Literary, and Performing Arts	. . . . .	10
	Can be used to meet electives requirement.	
General Education course(s).	. . . . .	25

### TECHNICAL SPECIALTY COURSES

SBST 301	Building Science. . . . .	3
SBST 302	Building Components and Systems . . . . .	2
SBST 314	Professional Portfolio . . . . .	2
SBST 315	Work Experience Practicum . . . . .	10
SBST 321	Building and Codes in Washington State. . . . .	2
SBST 322	Energy Analysis and Auditing . . . . .	2
SBST 325	Sustainable Building Science Technology Internship . . . . .	10
	The 10 internships credits are taken over course of four quarters, beginning in second quarter of study	
	Quarter 2 – 1 credit	
	Quarter 3 – 1 credits	
	Quarter 4 – 3 credits	
	Quarter 5 – 5 credits	
SBST 331	Financing Energy Efficiency and Renewable Energy . . . . .	2
SBST 332	Building Energy Codes in Washington State. . . . .	3
SBST 333	Building Controls for Energy Efficiency. . . . .	4
SBST 401	Utility Rates Regulations and Economics. . . . .	2
SBST 402	Lighting . . . . .	3
SBST 421	Energy Policy . . . . .	3
SBST 422	Facility Management . . . . .	4
SBST 431	Professional Communication . . . . .	4
SBST 432	Fiscal Management for Facility Managers . . . . .	3
SBST 489	Sustainable Building Science Technology Capstone . . . . .	1

### GENERAL EDUCATION

BUS 210	Business and Economic Statistics . . . . .	5
CMST& 220	Public Speaking . . . . .	5
ENGL& 102	Composition II . . . . .	5
PHYS& 100	Physics for Non-Science Majors . . . . .	5
Visual, Literary, and Performing Arts	. . . . .	5
Individual, Cultures, and Societies.	. . . . .	5
General Education course(s).	. . . . .	25
	Credits from A.A.S.-T degree can be used to fulfill this requirement.	

### ELECTIVES

ENGL& 101	English Composition I . . . . .	5
	Credits from A.A.S.-T degree can be used to fulfill this course.	
MATH& 107	Math in Society . . . . .	5
	Credits from A.A.S.-T degree can be used to fulfill this course.	
PSYC& 100	General Psychology. . . . .	5
	Credits from A.A.S.-T degree can be used to fulfill this course.	
Visual, Literary, and Performing Arts	. . . . .	10
	Credits from A.A.S.-T degree can be used to fulfill this course.	
Elective	. . . . .	35
	See Advising for list of approved courses.	
TOTAL PROGRAM CREDITS		90

## Additional B.A. & B.S. Degree Opportunities at South

### The University Center at South

[southseattle.edu/universitycenter](http://southseattle.edu/universitycenter)

The University Center also offers students majoring in Information Technology or Business Information Technology another opportunity to complete a four-year degree at South.

### Eastern Washington University

(425) 564-5100

[www.outreach.ewu/dieo/off-campus/  
bachelor-of-sciences-in-technology.htm](http://www.outreach.ewu/dieo/off-campus/bachelor-of-sciences-in-technology.htm)

### BACHELOR OF SCIENCE IN TECHNOLOGY: APPLIED TECHNOLOGY

For students who specialize in web design and development, computer applications/helpdesk, network administration, business information technology, and more. To participate, students must first obtain an Associate of Applied Science degree at South Seattle, or be near completion of one, in any of the following programs: Computer Applications/Help Desk, Network Administration or Business Information Technology (BIT). All four years will be at South. Three of the four years students pay South's tuition rates; the fourth year students pay EWU's tuition rates.

## 4

## Continuing & Contract Education

### Community Lifelong Learning Classes

(206) 934-5339

[cedstaff@seattlecolleges.edu](mailto:cedstaff@seattlecolleges.edu)

[learnatsouth.org](http://learnatsouth.org)

Lifelong learning classes are noncredit and nongraded courses that focus on personal enrichment. An array of short-term courses are offered in such fields as languages and culture, gardening, food and wine, health and wellness, career planning, business basics, family and financial planning, and computer applications. New classes, including online classes, are developed continually. Register online.

### Financial Planning

#### Affiliate of the College for Financial Planning

(206) 934-5339

[learnatsouth.org](http://learnatsouth.org)

As an affiliate of the College for Financial Planning, South Seattle College offers both the educational course of instruction and the "Live Review" for those seeking to develop a professional career as a financial planner and/or those studying for the national certification exam for financial planners. Content areas include financial planning and insurance, investment, income tax and retirement planning, employee benefits, and estate planning.

### Internship/Cooperative Education

WorkSource/Career Development Services

(206) 934-7935

[southseattle.edu/worksource/student-information.aspx](http://southseattle.edu/worksource/student-information.aspx)

The Internship program offers the opportunity to apply what students learn in class in a professional setting. Internships are credit-bearing experiences that complement classroom learning and require permission. The Internship Office is located in the WorkSource Center and provides support for any South student who is interested in learning more.

### Senior Adult Education

(206) 934-5339

[learnatsouth.org](http://learnatsouth.org)

To meet the growing demand for lifelong learning opportunities, South Seattle College offers many classes and discussion groups designed especially for senior adults. Classes cover a wide range of topics and reflect a broad range of interests. Classes are normally held during daytime hours, on campus and in senior centers and retirement centers. There are usually no long assignments, examinations, or letter grades. Registration is by mail, phone, or online.

In addition to the Senior Adult Education programs, people over 60 may enroll in college courses. Call the Admissions Office for further information on this waiver.

### Teacher Preparation

(206) 934-5339

[learnatsouth.org](http://learnatsouth.org)

South offers courses for those working toward a Career and Technical Education (CTE) Certification in Washington state. This program is for business and industry professionals who would like to become middle school or high school teachers.

## 5

## Bridge to College/ Pre-College

Basic & Transitional Studies Division

(206) 934-5363

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 PROGRAMS:

- Developmental Education
- Transitional ESL
- Concurrent High School / College Programs
- High School to College Preparation Programs

#### PRE-COLLEGE PROGRAMS:

- Adult Basic Education
- ESL – Beginning & Intermediate Levels
- GED Preparation
- High School Completion

# Bridge to College Programs

## Developmental Education

### English, Mathematics, and Human Development Courses

(206) 934-6600

Many students entering college or returning after time away from studies need additional work to prepare for college-level courses. Seattle Colleges offers 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).

## Transitional ESL

### English as a Second Language

(206) 934-5363

Placement in transitional ESL classes (advanced levels) is done by standardized placement testing. 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 093-099 can be covered by financial aid. Tuition for these classes is the same as regular tuition.

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

## Concurrent High School/College Programs

### Running Start

(206) 934-6478

[southseattle.edu/runningstart/](http://southseattle.edu/runningstart/)

This program allows qualified high school juniors and seniors to register for college-level courses while remaining enrolled at their local high school. Full to partial tuition is paid for by the state; students pay mandatory fees, buy their own books, and provide their own transportation. Students must take a placement test and be ready for college level coursework. As a dual enrollment program, students receive both high school and college credit, thus accelerating their progress through the education system. Running Start is a good option for high school students who are ready to start college early.

*See page 22 for more information.*

## High School to College Preparation Programs

### Career Link High School

(206) 934-7946

[southseattle.edu/programs/career-link/default.aspx](http://southseattle.edu/programs/career-link/default.aspx)

Career Link prepares students for success in college and careers while they work toward earning a high school diploma. Students who are 16 to 21 years old, have left high school without a diploma and want to earn a diploma as well as to gain skills for success in college and beyond can be assisted by Career Link at South Seattle. Tuition for students is free, and support is available for transportation, books, and supplies. In addition, Career Link at South Seattle offers support through this program and other campus programs for students to enroll in regular college classes. All Career Link students at South Seattle receive ongoing academic advising and assistance to ensure they are on track to graduate and have a High School & Beyond plan in place.

*See page 22 for more information.*

### SAT Preparation Courses

(206) 934-6600

South helps students prepare for the SAT (Scholastic Aptitude Test) college entrance exam by offering math and verbal SAT prep courses most quarters. Held on Saturdays, the courses offer a thorough review of core topics and provide test-taking strategies. Students also have the opportunity to be exposed to a college environment as well as to earn college credit. Running Start students can take the courses at no cost.

### TRiO Educational Talent Search

(206) 934-6401

The purpose of TRiO Talent Search is to help low-income and potential first-generation college students successfully graduate from secondary school and enroll in postsecondary education. This federally funded TRiO program serves 580 students each year from five secondary schools and two middle schools located in West Seattle. Students are provided with services directly at their school sites during the school year by program staff. Students must apply for the program, be deemed eligible, and be accepted before receiving any program services. Services that are offered and provided to students, both in individual and group settings, include academic advising and assistance with secondary course selection, postsecondary information and application assistance, financial aid information and application assistance, financial literacy information, college entrance examinations information and registration assistance, career awareness and planning information, connections to tutorial services, and college campus tours and visits.

*See page 22 for more information.*

## Upward Bound

(206) 934-6401

The purpose of TRiO Upward Bound is to provide low-income and potential first generation students with the skills and motivation to complete high school, go to college, and graduate from college. This federally funded TRiO program serves 132 students each year from four secondary schools in West Seattle and Seatac, through two Upward Bound grants. The goal is to maximize students' potential for graduation from high school and subsequent college enrollment. Students are provided with services directly at their school sites during the school year by program staff and on campus at South Seattle College during their summer program. Students must apply for the program and be accepted before receiving any program services. TRiO Upward Bound students receive services during their UB high school class and the summer program, including instruction in math, science, foreign language, SAT preparation, arts/other electives, academic tutoring and instruction in core academic subjects, academic advising and assistance with secondary course selection, postsecondary information and application assistance, financial aid information and application assistance, financial literacy information, college entrance examinations information and registration assistance, career exploration and planning, and educational field trips and activities. The year-round program includes a six-week summer program on campus at South for intensive academic and college preparatory activities.

*See page 22 for more information.*

## Pre-College Programs

### Adult Basic Education

(206) 934-5363

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 the General Education Development (GED), or qualify for entry into postsecondary education programs. Students must attend a mandatory orientation and placement testing session prior to enrolling in the class. Course descriptions are listed under ABE. Classes are noncredit. Tuition is low, currently \$25 per quarter (subject to change). The fee may be waived for low-income students.

### English as a Second Language (ESL)

(206) 934-5363

English as a Second Language (ESL) classes, Levels 1 through 5, help nonnative speakers communicate in English and increase their understanding of American culture. Conversation, pronunciation, reading, writing, and grammar are taught, with special emphasis on the English skills needed for survival and employment. These noncredit courses cost \$25 per quarter tuition (subject to change). Course descriptions are found under ESL. Student enrollment depends on eligibility and space availability. Students are placed in class based on their CASAS test results. Call the department for placement testing and registration information.

When students test high enough, they can move on to Transitional ESL, concentrating on college-preparation skills. Tuition is currently \$25 per quarter (subject to change).

*Note: International students take ESL classes through International Programs, page 27.*

### GED® Preparation

(206) 934-5363

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, 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. 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®. Students must attend a mandatory orientation and placement testing session prior to enrolling in the class. Tuition is \$25 per quarter (subject to change). The fee may be waived for low-income students.

*See page 23 for more information.*

### High School Completion

For students who have not completed work for a high school diploma, High School Completion offers the opportunity to earn the Standard High School Diploma or the Associate Degree Conversion Diploma. Students planning to work 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.*

## High School 21+

(206) 934-5363

Adults who lack a high school diploma now have a new way to get a second chance. It's called High School 21+, and it allows students to earn high school credit by completing coursework in our Basic and Transitional Studies division. It's less expensive than our traditional Adult High School Completion program, and graduates earn an actual diploma rather than a GED or other certificate.

## 6

## eLearning/ Distance Education

[sites.southseattle.edu/online](http://sites.southseattle.edu/online)

Distance learning offers an opportunity for students to enroll and complete South Seattle College courses from the convenience of home or work. As distance learners, students can enroll in individual courses for personal interest, to improve knowledge and skills, or to earn college credit for the A.A. degree program. Distance learning students use a variety of learning management systems and the Internet and have contact with instructors to complete their coursework and earn college credits. Registration for distance education courses is the same as other credit classes.

*See page 25 for more details on distance education.*

## 7

## International Programs

### Intensive English Program

(206) 934-5360

The Intensive English Program (IEP) is a self-supporting program offering a variety of accelerated English as a Second Language courses for international students. The majority of IEP students are preparing for academic and technical programs here at South. Successful completion of the IEP enables students to enter one of the college's academic or technical programs without a TOEFL or IELTS requirement or further placement testing.

Additional English programs include customized short-term programs for international groups and also include the Summer Institute, a study-tour program highlighting communication skills and sightseeing in Seattle.

*See page 26 for more information on International Programs.*

## Travel/Study Abroad

(206) 934-5360

[seattlecolleges.edu/international/studyabroad.aspx](http://seattlecolleges.edu/international/studyabroad.aspx)

Assistance with identifying educational opportunities abroad is available through the Center for International Education. Explore information on exchange programs in China, Japan, Denmark, and Italy; service learning through the Seattle Colleges Global Impact programs in Vietnam, Peru, Tanzania, and India; and quarter-long programs in Spain, Costa Rica, London, Italy, and Peru. See the Study Abroad advisor to select courses that will apply to South's degree requirements.

## 8

## Worker Retraining Program

(206) 934-5835

The Worker Retraining program offers a variety of services to dislocated workers: individuals who have been laid off and are collecting unemployment insurance, have been issued a WARN notice, are displaced homemakers, or had to close a small business due to the economic downturn. To get a new start on a career, interested individuals should attend the Start Next Quarter Orientation Session. Worker Retraining helps recipients gain new skills in order to return to the workforce in competitive wage jobs. Services may include:

- High-wage, high-demand job training programs
- Liaison to other agencies, programs, and funding
- Tuition assistance (subject to income guidelines and availability of funds)
- Help with applying for other funding such as Federal Trade Act Assistance, NAFTA, and regular financial aid
- Educational planning
- Interest assessment
- Career advising/counseling
- Job search skills
- Internships
- Job search assistance

For more information and to sign up for orientation go to: [www.startnextquarter.org](http://www.startnextquarter.org)

*See page 28 for additional information on the Worker Retraining Program.*

## 9

## Georgetown Campus

(206) 934-5350  
[georgetown.southseattle.edu/](http://georgetown.southseattle.edu/)

South Seattle College's Georgetown campus is located on 19 acres in the heart of Seattle's industrial zone, Washington's largest manufacturing center. The area is home to more than 4,000 businesses and 70,000 employees, supporting the largest number of family-wage jobs in Seattle. The campus is located near major airport, seaport, and manufacturing operations, making it an ideal location for industrial and craft training and related services. South Seattle College supports a strategic objective to provide quality workforce training and apprenticeship opportunities that meet high occupational needs. The Georgetown campus hosts the Apprenticeship and Education Center, the Washington State Labor Education and Research Center, and multiple community and educational programs.

The Georgetown Campus consists of five training and instructional facilities with more than 100,000 square feet dedicated to classrooms, labs, and offices. New buildings feature classrooms with increased technology and flexibility for instruction. Labs provide larger spaces for instruction and hands-on learning indoors. The new Gene J. Colin Education Hall is an excellent state-of-the-art space for classroom instruction, conferences, and seminars, allowing for short-term and contracted training and community and business collaboration.

## Apprenticeship & Education Center

(206) 934-5350  
[georgetown.southseattle.edu/](http://georgetown.southseattle.edu/)

The Georgetown campus trains more than 4,000 apprentices and journey-level workers annually in 30 different trades. Each of the training centers provides classroom and laboratory space, with training equipment focused upon specific trade needs. Each program offers certificate options. The various certificates, plus an Associate of Applied Science degree option, provide students with flexibility to reach their educational goals. The apprenticeship programs offer immediate employment while training at family-wage jobs. Students learn in the classroom and labs and obtain practical hands-on experience in industry. Upon completion, the student is knowledgeable and experienced in his or her chosen trade or occupation. Programs usually last three to five years. General requirements are that participants be at least 18 years of age; possess a valid driver's license; and go through a selection process that may include, but is not limited to, both written and physical testing, drug testing, and an interview by a joint apprenticeship committee. The Apprenticeship & Education Center is currently cooperating with joint apprenticeship committees to provide related and supporting instruction for apprentices and journey-level students in the following areas:

Aerospace Apprenticeship Programs  
 (206) 768-6629 | [www.ajactraining.org](http://www.ajactraining.org)

Boeing Machinist/Apprenticeships (Boeing Employees only)  
 (253) 657-2518 | [apprenticeship@boeing.com](mailto:apprenticeship@boeing.com)

Boilermakers  
 (206) 624-4707 or (206) 391-2996  
[apprenticeship@boilermakerslocal104.org](mailto:apprenticeship@boilermakerslocal104.org)

Cement Masons  
 (206) 762-9286 | [concretetraining@msn.com](mailto:concretetraining@msn.com)



CITC – Construction Industry Training Council/Carpentry,  
Heavy Equipment, HVAC, and Plumbing (in development)  
(425) 452-1950 | citc@citcwa.com

Finishing Trades Institute Northwest  
Drywall Finishing and Striping  
(206) 762-8332 | ericp@ftinw.org

Floor Covering  
(253) 762-8332 | todd@lupatdc5.org

Glaziers & Glassworkers  
(206) 762-8332 | Sarahs@ftinw.org

Painters/Striping  
(206)762-8332 | Dave@ftinw.org

Greater Puget Sound Area HVAC/Marine Electricians (GPSEW)  
(206) 395-6500 | harry@ibew46.com

Ironworkers  
(206) 244-2993 | local86.org

Meat Cutters  
(206) 816-4576 | greg.brooks@gmail.com

Northwest Line JATC Power Line  
(360) 816-7100 | : Banjo@nwlinejatc.com

Puget Sound Electrical  
(425) 228-1177 | clay@psejatc.org

Seattle City Light  
(206) 386-1603 | michiko.starks@seattle.gov

Snohomish County Public Utility District 1  
(425) 783-5035 | jkmainstone@snopud.com

Sprinkler Fitters  
(206) 764-0395 | s-miller1@outlook.com

Western Washington Masonry Trades, Bricklayers, Caulkers,  
Cleaners, Pointers, Tile Setters  
(206) 767-3986 | wwmtrades@msn.com

Washington Association of Community  
& Migrant Health Centers (WACMHC)  
(360) 786-9722 (ext. 222) |www.wacmhc.org/programs/inreach

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## Corporate & Customized Training

(206) 934-5857  
[georgetown.southseattle.edu/](http://georgetown.southseattle.edu/)

Corporate & Customized Training offers high-quality customized training solutions to meet the needs of business, industry, and our community. We help businesses reach their goals by customizing training to their specific industry, location, schedule, and content needs.

*Also see page 20.*

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## First Aid & Safety (Industrial)

(206) 934-5350  
[georgetown.southseattle.edu/](http://georgetown.southseattle.edu/)

The Washington Industrial Safety and Health Act (WISHA) specifies that employees and supervisors in many industries must have formal first aid and safety training. This training includes first aid/AED with CPR and blood-borne pathogens certification. An eight-hour course is available to those who require this training.

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## Flagging & Traffic Control Certification

(206) 934-5134 or (206) 934-5350  
[georgetown.southseattle.edu/](http://georgetown.southseattle.edu/)

Flaggers are responsible for the safe and effective movement of traffic through construction or maintenance zones, safety of the workforce involved, and minimum delay to the motorist. This six-hour certification course, based on the Washington State Safety Standards for Construction Work and the Manual on Uniform Traffic Control Devices, is taught by certified instructors. Classes are on Fridays, and testing will be conducted during class. Certification is valid for three years in Washington, Oregon, and Idaho. Payment for these classes is by credit card or money order only (cash/checks are not accepted).

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## Washington State Labor Education and Research Center

(206) 934-5380  
[georgetown.southseattle.edu/LERC](http://georgetown.southseattle.edu/LERC)

The Labor Center was established in 1987 to provide direct education and research services in higher education to unions in Washington state. The mission of the Labor Center is to deliver high-quality education and training programs for the dynamic and diverse working women and men of Washington state by using best practices of adult education. The curriculum builds the skills, confidence, and knowledge needed to become leaders in efforts to improve work lives and communities and to promote a just economy through collective action. Though based at South, the Labor Center is a statewide organization and a unique program within higher education.

The center also organizes large public events, such as conferences; serves as a resource for faculty, students, and staff; produces the Washington State Workers' Rights Manual; teaches classes through Continuing Education at South; provides contract trainings to unions and other workers' organizations; and has a book, film, and training materials library available for public use.



# Professional Technical Programs

South Seattle College offers degrees and certificates that vary in length from one to seven quarters in more than 20 workforce education areas. These programs are designed to prepare students for careers and/or to expand skills in career areas. South also offers four-year Bachelor of Applied Science degrees in Hospitality Management, Professional Technical Education and Instructional Design, and Sustainable Building Science Technology.

*See page 166 for more detail on B.A.S. degree programs.*

Several of the following 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.

South Seattle College is accredited by the Northwest Commission of Colleges and Universities.

SOUTH

174

Professional Technical Programs

## Aeronautical Technology

### Aviation Maintenance Division

South offers both certificate and degree programs in Aviation Maintenance and Aeronautical Technology. Check with the department for short-term certificate offerings relating to General Aviation for Composite and Aviation Composites Lab.

The Aviation Maintenance certificate program offers a preparatory program for airframe and power plant (A&P) mechanics. The two-year (eight quarters) curriculum provides training on current aviation airframes and power plants.

Students who successfully complete the curriculum are awarded a certificate of completion qualifying them to take the Federal Aviation Administration examination for the airframe and power plant mechanic license.

Either the airframe or the power plant component may be taken separately. Completion of both components is highly recommended for increased employment opportunities. Students may qualify for advanced program placement if they provide acceptable documentation from any FAA-certified airframe and power plant program and meet the course challenge requirements. The aviation maintenance airframe and power plant curriculum is approved by the FAA (Air Agency Certificate HQ6T596N).

The A.A.S. and A.A.S.-T degree programs provide graduates of recognized airframe and power plant programs and experienced FAA-certified mechanics the opportunity to expand their knowledge and training and to earn an Associate of Applied Science degree.

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

Completion of Certificate Requirements in Aviation Maintenance Airframe & Power Plant Programs: 147 credits

### PREREQUISITES

Special requirements for admission

### TECHNICAL SPECIALTY COURSES

AMT	111	Basic Science for Aviation . . . . .	17
AMT	112	Basic Electricity for Aviation . . . . .	17
AMT	113	Airframe Structure and Repair . . . . .	17
AMT	234	Powerplant Systems and Components . . . . .	17
AMT	235	Advanced Power Plant . . . . .	17

### RELATED INSTRUCTION

ENGL	105	Applied Composition . . . . .	3
ENGL	106	Technical Writing. . . . .	3
ICT	103	Computer Applications I . . . . .	2
IFS	100	Industrial First Aid and Safety . . . . .	2
		Incorporated as part of the Aviation Maintenance Airframe & Power Plant Certificate program and therefore is not included in the total credits.	
MATH	111	Applied Mathematics I. . . . .	5
		Incorporated as part of the Aviation Maintenance Airframe & Power Plant Certificate program and therefore is not included in the total credits.	
PSYC	240	Psychology of Human Relations . . . . .	3

### ELECTIVE COURSES

A minimum of 9 credits in two of the following areas:

Visual, Literary and Performing Arts. . . . .	5
Individual, Cultures and Societies . . . . .	5
The Natural World, . . . . .	5

REQUIRED ELECTIVE CREDITS	9
TOTAL PROGRAM CREDITS	156

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

### PREREQUISITES

Students must meet with an advisor for entry into this program. A placement test is required to assure language and computational skills are sufficient to assure program success.

Special requirements for admission: Satisfactory completion of a minimum of 240 prescribed clock-hours of instruction per quarter and a 2.0 minimum grade point average (70 percent) on each class assignment and exam.

### TECHNICAL SPECIALTY COURSES

AMT	111	Basic Science for Aviation . . . . .	17
AMT	112	Basic Electricity for Aviation . . . . .	17
AMT	113	Airframe Structure and Repair . . . . .	17
AMT	133	Power Plant Theory and Maintenance . . . . .	17
AMT	214	Airframe Systems . . . . .	17
AMT	215	Advanced Airframe . . . . .	17
AMT	234	Power Plant Systems and Components . . . . .	17
AMT	235	Advanced Power Plant . . . . .	17

**RELATED INSTRUCTION**

ENGL&	101	English Composition I . . . . .	5
IFS	100	Industrial First Aid and Safety . . . . .	2
		Incorporated as part of the Aviation Maintenance Airframe & Power Plant Certificate program and therefore is not included in the total credits.	
MATH	102	College Algebra . . . . .	5
MATH	111	Applied Mathematics I . . . . .	5
		Incorporated as part of the Aviation Maintenance Airframe & Power Plant Certificate program and therefore is not included in the total credits.	
PSYC&	100	General Psychology . . . . .	5

**ELECTIVE COURSES**

A minimum of 9 credits in two of the following areas:

Visual, Literary and Performing Arts . . . . .	5
Individual, Cultures and Societies . . . . .	5
The Natural World . . . . .	5
<b>ELECTIVE COURSES CREDITS</b>	<b>9</b>
<b>TOTAL PROGRAM CREDITS</b>	<b>160</b>

## Aeronautical Technology: Aviation Airframe Mechanic Certificate

**REQUIREMENTS**

Satisfactory completion of a minimum of 240 prescribed clock hours of instruction per quarter and a minimum 2.0 grade point average (70 percent) on each class assignment.

**PREREQUISITES**

Students must meet with an advisor for entry into this program. A placement test is required to assure language and computational skills are sufficient to assure program success.

**TECHNICAL SPECIALTY COURSES**

AMT	111	Basic Science for Aviation . . . . .	17
AMT	112	Basic Electricity for Aviation . . . . .	17
AMT	113	Airframe Structure and Repair . . . . .	17
AMT	214	Airframe Systems . . . . .	17
AMT	215	Advanced Airframe . . . . .	17

**RELATED INSTRUCTION**

ENGL	105	Applied Composition . . . . .	3
ENGL	106	Technical Writing . . . . .	3
ICT	103	Computer Applications I . . . . .	2
PSYC	240	Psychology of Human Relations . . . . .	3
<b>TOTAL PROGRAM CREDITS</b>			<b>96</b>

## Aeronautical Technology: Aviation Maintenance Airframe & Power Plant Certificate

**REQUIREMENTS**

Satisfactory completion of a minimum of 240 prescribed clock-hours of instruction per quarter and a minimum 2.0 grade point average (70 percent) on each class assignment.

**PREREQUISITES**

Students must meet with an advisor for entry into this program. A placement test is required to assure language and computational skills are sufficient to assure program success.

**TECHNICAL SPECIALTY COURSES**

AMT	111	Basic Science for Aviation . . . . .	17
AMT	112	Basic Electricity for Aviation . . . . .	17
AMT	113	Airframe Structure and Repair . . . . .	17
AMT	133	Power Plant Theory and Maintenance . . . . .	17
AMT	214	Airframe Systems . . . . .	17
AMT	215	Advanced Airframe . . . . .	17
AMT	234	Power Plant Systems and Components . . . . .	17
AMT	235	Advanced Powerplant . . . . .	17

**RELATED INSTRUCTION**

ENGL	105	Applied Composition . . . . .	3
ENGL	106	Technical Writing . . . . .	3
ICT	103	Computer Applications I . . . . .	2
PSYC	240	Psychology of Human Relations . . . . .	3
<b>TOTAL PROGRAM CREDITS</b>			<b>147</b>

## Aeronautical Technology: Aviation Power Plant Mechanic Certificate

**REQUIREMENTS**

Satisfactory completion of a minimum of 240 prescribed clock-hours of instruction per quarter and a minimum 2.0 grade point average (70 percent) on each class assignment.

**PREREQUISITES**

Students must meet with an advisor for entry into this program. A placement test is required to assure language and computational skills are sufficient to assure program success.

**TECHNICAL SPECIALTY COURSES**

AMT	111	Basic Science for Aviation . . . . .	17
AMT	112	Basic Electricity for Aviation . . . . .	17
AMT	133	Powerplant Theory and Maintenance . . . . .	17
AMT	234	Powerplant Systems and Components . . . . .	17
AMT	235	Advanced Powerplant . . . . .	17

**RELATED INSTRUCTION**

ENGL	105	Applied Composition . . . . .	3
ENGL	106	Technical Writing . . . . .	3
ICT	103	Computer Applications I . . . . .	2
PSYC	240	Psychology of Human Relations . . . . .	3
<b>TOTAL PROGRAM CREDITS</b>			<b>96</b>

## General Aviation Short-Term Certificate

Provides foundational instruction in the field of aviation maintenance.

**TECHNICAL SPECIALTY COURSES**

ACM	101	Intro to Aviation Industrial Hygiene . . . . .	3
ACM	102	Measurement and Drawings - Aviation . . . . .	3
ACM	103	Materials: Properties, Choice and Application . . . . .	5
ACM	104	Composites Lab A - General Aviation . . . . .	6
ACM	198	Capstone A - Aerospace Comp Tech . . . . .	1
<b>TOTAL PROGRAM CREDITS</b>			<b>18</b>

## Aerospace Composite Technician

### Composites Technology

The Aerospace Composite Technician Program trains individuals in the knowledge and skills necessary for skilled entry-level positions in the areas of fabrication, assembly, and repair of mixed and composite materials. Potential employment sectors include aerospace, marine, ground transportation, construction, energy, sporting equipment, and medical devices. It consists of two short-term technical certificates (General Aviation and Composite Aviation) and related instruction courses to receive a Certificate of Proficiency.

### Certificate

#### REQUIREMENTS

Satisfactory completion of a minimum of 240 prescribed clock-hours of instruction per quarter and a minimum 2.0 grade point average (70 percent) on each class assignment.

#### PREREQUISITES

Students must meet with an advisor for entry into this program. A placement test is required to assure language and computational skills are sufficient to assure program success.

#### TECHNICAL SPECIALTY COURSES

ACM	101	Intro to Aviation Industrial Hygiene . . . . .	3
ACM	102	Measurement and Drawings – Aviation . . . . .	3
ACM	103	Materials: Properties, Choice, and Application . . . . .	5
ACM	104	Composites Lab A – General Aviation . . . . .	6
ACM	111	Composite Fabrication & Tooling . . . . .	4
ACM	112	Composite Inspection & Repair . . . . .	2
ACM	114	Composite Lab B – Advanced Composites. . . . .	9
ACM	198	Capstone A – Aerospace Comp Tech. . . . .	1
ACM	199	Capstone B – Aerospace Comp Tech. . . . .	2

#### RELATED INSTRUCTION

College transfer or equivalent courses may be substituted.

ENGL	105	Applied Composition . . . . .	3
MATH	111	Applied Mathematics I. . . . .	5
MATH	112	Applied Mathematics II . . . . .	5
PSYC	240	Psychology of Human Relations . . . . .	3

TOTAL PROGRAM CREDITS 51

## Composite Aviation Short-Term Certificate

### Aviation Maintenance Division

Prepares technicians to fabricate, assemble, and repair composite materials on aircraft at an entry level.

#### TECHNICAL SPECIALTY COURSES

ACM	111	Composite Fabrication & Tooling . . . . .	4
ACM	112	Composite Inspection & Repair . . . . .	2
ACM	114	Composite Lab B – Advanced Composites. . . . .	9
ACM	199	Capstone B – Aerospace Comp Tech. . . . .	2

TOTAL PROGRAM CREDITS 17

## Airframe & Power Plant Seminar Short-Term Certificate

### Aviation Maintenance Division

This intensive seminar is for those with an approved 8610-2 FAA rating application. It provides a review of general, airframe, and power plant sections of the written, oral, and practical FAA licensing exams, with special focus on those areas of civilian aviation not typically encountered during military service. It provides the student with the skills, knowledge, and abilities to pursue a career as an aviation maintenance technician.

#### TECHNICAL SPECIALTY COURSES

AMT	295	Airframe & Power Plant Master Class . . . . .	16
AMT	296	AMT Professional Portfolio. . . . .	2

TOTAL PROGRAM CREDITS 18

## Automotive Technology

### Automotive Technology Training Center

The Automotive Technology program provides students with training in the automotive repair industry, including maintaining, diagnosing, and repairing all kinds of automobiles. Between 80 and 90 percent of our students go to work at independent repair shops or dealerships around the Puget Sound area, and some have opened their own shops. The A.A.S-T provides skills in leadership and communication as well as automotive technology.

The program's advisory committee includes industry professionals who provide insight into industry trends, allowing students to learn what will be expected of them in the workplace. Students also have the opportunity to study toward ASE certification, increasing their employability. The Automotive Program is a NATEF/ASE certified training program. All the instructors are ASE master certified and have over 80 years of combined industry experience. For more information, come visit one of the instructors.

In addition to tuition, there are other costs to participate in the program, including books, coveralls, hard-toed shoes, and a minimum of \$300 in tools.

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

#### TECHNICAL SPECIALTY COURSES

AUT	100	Introduction to Electricity . . . . .	6
AUT	102	Advanced Electrical Systems . . . . .	4
AUT	104	Automotive Electronics . . . . .	3
AUT	106	Basic Power Accessories. . . . .	3
AUT	112	Manual Transaxles and Clutches . . . . .	3
AUT	114	Manual Transmissions, Transfer Cases, & Drive Axle . . . . .	3
AUT	116	Air Conditioning and Heating. . . . .	6
AUT	118	Automatic Transmission Diagnosis and Service . . . . .	4
AUT	120	Advanced Automatic Transmission Service . . . . .	6
AUT	122	Steering and Suspension . . . . .	4

AUT	124	Tires and Wheel Alignment	4
AUT	126	Basic Brake Systems	3
AUT	127	Advanced Brake Systems	4
AUT	128	Automotive Engine Diagnose/Remove and Replace	4
AUT	130	Automotive Engine Rebuild	8
AUT	134	Introduction to Drivability	3
AUT	138	Advanced Drivability and Fuel Systems	4
AUT	140	Engine Computers	4
AUT	142	Emission Controls and Diagnostic Test Equipment	6
MVM	100	Introduction to Automotive Technology I	3
MVM	102	Introduction to Automotive Technology II	6

**RELATED INSTRUCTION**

ENGL	105	Applied Composition	3
ICT	103	Computer Applications I	2
MATH	110	Applied Math for Technicians	3
PSYC	240	Psychology of Human Relations	3

**GENERAL EDUCATION COURSES**

A minimum of 10 credits from any two of the following:			
Visual, Literary, and Performing Arts	5		
Individual, Cultures, and Societies	5		
The Natural World	5		
Science & Mathematics	5		
Business & Office	5		
Supervision & Management	5		
Technical Specialty course	5		
TOTAL PROGRAM CREDITS	114		
When the A.A.S. sequence is followed, student will have achieved MLR Certification, NATEF Minor Certification, and NATEF Major Certification.			

**Associate of Applied Science – Transfer (A.A.S.-T) Degree****TECHNICAL SPECIALTY COURSES**

AUT	100	Introduction to Electricity	6
AUT	102	Advanced Electrical Systems	4
AUT	104	Automotive Electronics	3
AUT	106	Basic Power Accessories	3
AUT	112	Manual Transaxles and Clutches	3
AUT	114	Manual Transmissions, Transfer Cases & Drive Axle	3
AUT	116	Air Conditioning and Heating	6
AUT	118	Automatic Transmission Diagnosis and Service	4
AUT	120	Advanced Automatic Transmission Service	6
AUT	122	Steering and Suspension	4
AUT	124	Tires and Wheel Alignment	4
AUT	126	Basic Brake Systems	3
AUT	127	Advanced Brake Systems	4
AUT	128	Automotive Engine Diagnose/Remove and Replace	4
AUT	130	Automotive Engine Rebuild	8
AUT	134	Introduction to Drivability	3
AUT	138	Advanced Drivability and Fuel Systems	4

AUT	140	Engine Computers	4
AUT	142	Emission Controls and Diagnostic Test Equipment	6
MVM	100	Introduction to Automotive Technology I	3
MVM	102	Introduction to Automotive Technology II	6

**RELATED INSTRUCTION**

ENGL&	101	English Composition I	5
MATH	102	College Algebra	5
PSYC&	100	General Psychology	5

**GENERAL EDUCATION COURSES**

A minimum of 10 credits from any two of the following:	
Visual, Literary, and Performing Arts	5
Individual, Cultures and Societies	5
The Natural World	5
Science & Mathematics	5
Business & Office	5
Supervision & Management	5
Technical Specialty course	5
TOTAL PROGRAM CREDITS	118

When the A.A.S. sequence is followed, students will have achieved NATEF MLR Certification, NATEF Minor Certification and NATEF Major Certification.

**Automatic Transmission/Transaxle Short-Term Certificate****Automotive Technology Training Center**

Certificate covers disassemble, clean, inspect, overhaul (this will include replacement of bands, clutches, bushings, seals, and various other components to make the transmission serviceable), and reassemble of automatic transmission. In addition, the function and construction of each component, as well as its diagnosis and service procedures, will be covered. Safety, environmental awareness, human relations, and leadership are taught as an integral part of this unit of study.

**TECHNICAL SPECIALTY COURSES**

AUT	118	Automatic Transmission Diagnosis and Service	4
AUT	120	Advanced Automatic Transmission Service	6
TOTAL PROGRAM CREDITS	10		

**Brakes Short-Term Certificate****Automotive Technology Training Center**

Certificate covers brake theory, diagnosing brake problems, master cylinders, wheel cylinders, hydraulic valves, brake hoses, brake lines, brake shoes, brake drums, and parking brakes, as well as removal and installation of brakes from vehicles. In addition, the function and construction of each component, and its diagnosis and service procedures, will be covered. Safety, environmental awareness, human relations, and leadership are taught as an integral part of this unit.

**TECHNICAL SPECIALTY COURSES**

AUT	126	Basic Brake Systems	3
AUT	127	Advanced Brake Systems	4
TOTAL PROGRAM CREDITS	7		

### Electrical/Electronic Systems Short-Term Certificate

#### Automotive Technology Training Center

Certificate covers safety, electrical theory, types of current, types of circuits, semiconductors, magnetism, EMI suppression, circuit protection, reading electrical schematics, circuit defects, and using test equipment. Components covered are starting systems and charging systems as well as removal and installation of electrical components from vehicles. In addition, the function and construction of each component, and its diagnosis and service procedures, will be covered. Safety, environmental awareness, human relations, and leadership are taught as an integral part of this unit.

#### TECHNICAL SPECIALTY COURSES

AUT 102	Advanced Electrical Systems . . . . .	4
AUT 104	Automotive Electronics . . . . .	3
AUT 106	Basic Power Accessories . . . . .	3
TOTAL PROGRAM CREDITS		10

### Engine Performance Short-Term Certificate

#### Automotive Technology Training Center

Certificate covers gasoline ignition and fuel systems. Included are distributor waste spark and coil on plug ignition systems; fuel pumps, both electric and mechanical; fuel injection throttle body; port fuel sequential; and gasoline direct injection systems. Certificate also covers the automotive engine computer, its multiple power and ground supplies, and how these affect the running of the vehicle. It covers the inputs and outputs of the PCM, how each contributes to the running of the engine, and how to diagnose each one.

#### TECHNICAL SPECIALTY COURSES

AUT 138	Advanced Drivability and Fuel Systems . . . . .	6
AUT 140	Engine Computers . . . . .	4
AUT 142	Emission Controls and Diagnostic Test Equipment . . . . .	6
TOTAL PROGRAM CREDITS		16

### Engine Repair Short-Term Certificate

#### Automotive Technology Training Center

Certificate covers engine theory, diagnosing engine problems, engine lubrication, cooling systems, and removal and installation of engines from vehicles. In addition, the function and construction of each component, and its diagnosis and service procedures, will be covered. Safety, environmental awareness, human relations, and leadership are taught as an integral part of this unit. Other topics are automotive drivability theory and diagnosing drivability problems as well as removal, repair, and installation of drivability components in vehicles.

#### TECHNICAL SPECIALTY COURSES

AUT 128	Automotive Engine Diagnose/Remove and Replace . . . . .	4
AUT 130	Automotive Engine Rebuild . . . . .	8
AUT 134	Introduction to Drivability . . . . .	3
TOTAL PROGRAM CREDITS		15

### Heating and Air Conditioning Short-Term Certificate

#### Automotive Technology Training Center

Certificate covers basic principles involving air conditioning and heating systems, troubleshooting and diagnosing of air conditioning and heating systems, and removal and reinstalling of air conditioning and heating components in vehicles. In addition, the function and construction of each component, as well as its diagnosis and service procedures, will be covered. Safety, environmental awareness, human relations, and leadership are taught as an integral part of this unit.

#### TECHNICAL SPECIALTY COURSES

AUT 116	Air Conditioning and Heating . . . . .	6
TOTAL PROGRAM CREDITS		6

### Manual Drive Train and Axles Short-Term Certificate

#### Automotive Technology Training Center

Certificate covers power flow and principles involving manual transmissions, transfer cases, and drive axles; troubleshooting and diagnosing manual transmissions, transfer cases, and drive axles; removal of manual transmissions, transfer cases, and drive axles from vehicle; disassemble, clean, inspect, overhaul, and reassemble manual transmissions, transfer cases, and drive axles; and reinstall manual transmissions, transfer cases, and drive axles in vehicles. In addition, the function and construction of each component, as well as its diagnosis and service procedures, will be covered. Safety, environmental awareness, human relations, and leadership are taught as an integral part of this unit of study.

#### TECHNICAL SPECIALTY COURSES

AUT 112	Manual Transaxles and Clutches . . . . .	3
AUT 114	Manual Transmissions, Transfer Cases & Drive Axle . . . . .	3
TOTAL PROGRAM CREDITS		6

### Steering and Suspension Short-Term Certificate

#### Automotive Technology Training Center

Certificate covers steering and suspension theory, diagnosing steering and suspension problems, chassis design, wheel bearings, and steering and suspension components, as well as removal, repair, and installation of steering and suspension components in vehicles. In addition, the function and construction of each component, and its diagnosis and service procedures, will be covered. Safety, environmental awareness, human relations, and leadership are taught as an integral part of this unit.

#### TECHNICAL SPECIALTY COURSES

AUT 122	Steering and Suspension . . . . .	4
AUT 124	Tires and Wheel Alignment . . . . .	4
TOTAL PROGRAM CREDITS		8

## Computer Technology Virtualization Short-Term Certificate

### Computing Technology

This certificate is a total of 15 credits and a supplement to the Network Administration Associate of Applied Science degree. Qualifications: Network Administration A.A.S. degree or equivalent degree within the last two years or have equivalent IT industry experience within the last two years.

### TECHNICAL SPECIALTY COURSES

CTN	276	Virtualization and the Cloud 1	5
CTN	286	Virtualization and the Cloud 2	5
CTN	287	Cloud Computing	5
TOTAL PROGRAM CREDITS			15

## Culinary Arts: Banquets & Catering

### Culinary Arts Department

Restaurant industry leaders recognize that the Culinary Arts program at South Seattle College provides outstanding culinary arts training. The program is a member of the prestigious International Association of Culinary Professionals and offers internships and training at partner institutions in Spain, Italy, Ireland, China, and France. The department works closely with the hospitality industry to develop innovative, realistic programs that provide students with skills needed for successful employment.

Culinary Arts students learn the food production skills necessary to operate multifaceted food service operations on campus. A Food Court features a cafeteria with classic and contemporary menus, a short-order grill, grab-and-go items, and a delicatessen. Two waited-service dining rooms, Café Alki and Alhadeff Grill, feature cooked-to-order menus, with preparation typical of upscale restaurants in the Northwest. Food management classes train students in inventory control, operations analysis, purchasing, production, supervision, and personnel management. Students prepare for careers in dining room service and food production as well as supervision for hotel, restaurant, catering, and institutional food service operations.

The Culinary Arts and Pastry and Baking Arts programs require all uniforms, tools, and books that will be used throughout the program to be purchased by the first day of class. Check with the Culinary Arts Office for a complete list of uniform and toolkit options, prices, and required texts.

## Certificate

### TECHNICAL SPECIALTY COURSES

FSD	100	Health and Sanitation	3
FSD	101	Orientation to Culinary Arts	1
FSD	160	Theory 1 – Culinary Fundamentals	5
FSD	165	Fundamentals of Classical Techniques	15
FSD	170	Theory 2 – Advanced Culinary Fundamentals	5
FSD	175	Advanced Classical Techniques	15
FSD	180	Garde Manger and Menu Development	5
FSD	185	Restaurant Production 1	15
FSD	190	Cost Controls	5
FSD	195	Restaurant Production 2	15
FSD	200	Theory 5 – Management Techniques	5
FSD	215	Banquets and Catering	15
HOS	203	Commercial Food Nutrition	3

### RELATED INSTRUCTION

ENGL	105	Applied Composition	3
ENGL	106	Technical Writing	3
MATH	110	Applied Math for Technicians	3
PSYC	240	Psychology of Human Relations	3
Total program Credits			119

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

Completion of Certificate Requirements: 119 credits

### TECHNICAL SPECIALTY COURSES

ENGL	105	Applied Composition	3
ENGL	106	Technical Writing	3
FSD	100	Health and Sanitation	3
FSD	101	Orientation to Culinary	1
FSD	160	Culinary Fundamentals	5
FSD	165	Fundamentals of Classical Techniques	15
FSD	170	Theory 2 – Advanced Culinary Fundamentals	5
FSD	175	Advanced Classical Techniques	15
FSD	180	Garde Manger and Menu Development	5
FSD	185	Restaurant Production 1	15
FSD	190	Cost Controls	5
FSD	195	Restaurant Production 2	15
FSD	200	Theory 5 – Management Techniques	5
FSD	215	Banquets and Catering	15
HOS	203	Commercial Food Nutrition	3
MATH	110	Applied Math for Technicians	3
PSYC	240	Psychology of Human Relations	3

### REQUIREMENTS

To earn an A.A.S degree, students must maintain a minimum cumulative grade point average of 2.0.

### ELECTIVES – GENERAL EDUCATION

A minimum of 10 elective credits from at least two of the following:

Visual, Literary, and Performing Arts	5
Individual, Cultures, and Societies	5
Science & Mathematics	5
Business & Office	5
TOTAL PROGRAM CREDITS	129

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

### REQUIREMENTS

To earn an A.A.S.-T degree, students must maintain a minimum cumulative grade point average of 2.0.

### TECHNICAL SPECIALTY

FSD 100	Health and Sanitation	.3
FSD 101	Orientation to Culinary Arts	.1
FSD 160	Culinary Fundamentals	.5
FSD 165	Fundamentals of Classical Techniques	.15
FSD 170	Theory 2 - Advanced Culinary Fundamentals	.5
FSD 175	Advanced Classical Techniques	.15
FSD 180	Garde Manger and Menu Development	.5
FSD 185	Restaurant Production 1	.15
FSD 190	Cost Controls	.5
FSD 195	Restaurant Production 2	.15
FSD 200	Theory 5 – Management Techniques	.5
FSD 215	Banquets and Catering	.15
HOS 203	Commercial Food Nutrition	.3

### RELATED INSTRUCTION

ENGL& 101	English Composition I	.5
ENGL& 102	Composition II	.5
MATH 102	College Algebra	.5
PSYC& 100	General Psychology	.5

### ELECTIVES

A minimum of 10 elective credits from at least two of the following:

Visual, Literary, and Performing Arts	.5
Science & Mathematics	.5
Business & Office	.5
<b>TOTAL PROGRAM CREDITS</b>	<b>137</b>

## Culinary Arts: Pastry & Baking Arts

### Culinary Arts Department

The Pastry and Specialty Baking program covers basic and advanced skills in pastry and specialty baking and decorating. It includes cakes; Danish, French, and Swiss pastries; fancy desserts; confections; tortes; fillings; specialty breads; decorating; and sugar and chocolate work. Graduates are prepared for pastry positions in hotels, fine restaurants, clubs, and retail and wholesale bakeries.

### Certificate

#### TECHNICAL SPECIALTY COURSES

FSD 100	Health and Sanitation	.3
HOS 203	Commercial Food Nutrition	.3
PST 101	Pastry and Baking Orientation	.5
PST 102	Introduction to Baking Management	.5

PST 103	Decoration Theory 1	.4
PST 104	Decoration Theory 2	.4
PST 105	Decoration Theory 3	.4
PST 111	Baking 1	.15
PST 112	Pastry 1	.15
PST 113	Baking 2	.15
PST 211	Pastry 2	.15
PST 212	Pastry 3	.15
PST 213	Pastry 4	.15

### RELATED INSTRUCTION

ENGL 105	Applied Composition	.3
ENGL 106	Technical Writing	.3
MATH 110	Applied Math for Technicians	.3
PSYC 240	Psychology of Human Relations	.3

<b>TOTAL PROGRAM CREDITS</b>	<b>130</b>
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## Associate of Applied Science (A.A.S.) Degree

Completion of Culinary Arts: Pastry & Baking Arts certificate requirements: 130 credits

### REQUIREMENTS

Maintain a minimum cumulative grade point average of 2.0.

Complete selected Culinary Arts certificate requirements (130 credits)

### TECHNICAL SPECIALTY COURSES

FSD 100	Health and Sanitation	.3
HOS 203	Commercial Food Nutrition	.3
PST 101	Pastry and Baking Orientation	.5
PST 102	Introduction to Baking Management	.5
PST 103	Decoration Theory 1	.4
PST 104	Decoration Theory 2	.4
PST 105	Decoration Theory 3	.4
PST 111	Baking 1	.15
PST 112	Pastry 1	.15
PST 113	Baking 2	.15
PST 211	Pastry 2	.15
PST 212	Pastry 3	.15
PST 213	Pastry 4	.15

### RELATED INSTRUCTION

ENGL 105	Applied Composition	.3
ENGL 106	Technical Writing	.3
MATH 110	Applied Math for Technicians	.3
PSYC 240	Psychology of Human Relations	.3

### ELECTIVES – GENERAL EDUCATION

A minimum of 10 elective credits from at least two of the following:

Visual, Literary, and Performing Arts	.5
Individual, Cultures, and Societies	.5
Science & Mathematics	.5
Business & Office	.5

<b>TOTAL PROGRAM CREDITS</b>	<b>140</b>
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## Associate of Applied Science – Transfer (A.A.S.-T) Degree

### REQUIREMENTS

To earn an A.A.S.-T degree in Pastry and Baking Arts, students must maintain a minimum cumulative grade point average of 2.0.

### TECHNICAL SPECIALTY

FSD	100	Health and Sanitation . . . . .	3
HOS	203	Commercial Food Nutrition . . . . .	3
PST	101	Pastry and Baking Orientation . . . . .	5
PST	102	Introduction to Baking Management . . . . .	5
PST	103	Decoration Theory 1 . . . . .	4
PST	104	Decoration Theory 2 . . . . .	4
PST	105	Decoration Theory 3 . . . . .	4
PST	111	Baking 1 . . . . .	15
PST	112	Pastry 1 . . . . .	15
PST	113	Baking 2 . . . . .	15
PST	211	Pastry 2 . . . . .	15
PST	212	Pastry 3 . . . . .	15
PST	213	Pastry 4 . . . . .	15

### RELATED INSTRUCTION

ENGL&	101	English Composition I . . . . .	5
ENGL&	102	Composition II . . . . .	5
MATH	102	College Algebra . . . . .	5
PSYC&	100	General Psychology . . . . .	5

### ELECTIVES

Select 10 credits from the following:			
Visual, Literary, and Performing Arts . . . . .	5		
Individual, Cultures, and Societies . . . . .	5		
Science & Mathematics . . . . .	5		
Business & Office . . . . .	5		
<b>TOTAL PROGRAM CREDITS</b>		<b>148</b>	

## Culinary Arts: Restaurant Production

### Culinary Arts Department

Restaurant industry leaders recognize that the Culinary Arts program at South Seattle College provides outstanding culinary arts training. The program is a member of the prestigious International Association of Culinary Professionals and offers internships and training at partner institutions in Spain, Italy, Ireland, China, and France. The department works closely with the hospitality industry to develop innovative, realistic programs that provide students with skills needed for successful employment.

Culinary Arts students learn the food production skills necessary to operate multifaceted food service operations on campus. A Food Court features a cafeteria with classic and contemporary menus, a short-order grill, grab-and-go items, and a delicatessen. Two waited-service dining rooms, Café Alki and Alhadeff Grill, feature cooked-to-order menus, with

preparation typical of upscale restaurants in the Northwest. Food management classes train students in inventory control, operations analysis, purchasing, production, supervision, and personnel management. Students prepare for careers in dining room service and food production as well as supervision for hotel, restaurant, catering, and institutional food service operations.

The Culinary Arts and Pastry and Baking Arts programs require all uniforms, tools, and books that will be used throughout the program to be purchased by the first day of class. Please check with the Culinary Arts Office for a complete list of uniform and toolkit options, prices, and required texts.

## Certificate

### TECHNICAL SPECIALTY COURSES

FSD	100	Health and Sanitation . . . . .	3
FSD	101	Orientation to Culinary Arts . . . . .	1
FSD	160	Culinary Fundamentals . . . . .	5
FSD	165	Fundamentals of Classical Techniques . . . . .	15
FSD	170	Theory 2 – Advanced Culinary Fundamentals . . . . .	5
FSD	175	Advanced Classical Techniques . . . . .	15
FSD	180	Garde Manger and Menu Development . . . . .	5
FSD	185	Restaurant Production 1 . . . . .	15
FSD	190	Cost Controls . . . . .	5
FSD	195	Restaurant Production 2 . . . . .	15
FSD	200	Theory 5 – Management Techniques . . . . .	5
FSD	205	Leadership Practicum . . . . .	15
HOS	203	Commercial Food Nutrition . . . . .	3

### RELATED INSTRUCTION

ENGL	105	Applied Composition . . . . .	3
ENGL	106	Technical Writing . . . . .	3
MATH	110	Applied Math for Technicians . . . . .	3
PSYC	240	Psychology of Human Relations . . . . .	3
<b>TOTAL PROGRAM CREDITS</b>		<b>119</b>	

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

Completion of Certificate Requirements: 119 credits

### REQUIREMENTS

- Students must maintain a minimum cumulative grade point average of 2.0.

### TECHNICAL SPECIALTY COURSES

FSD	100	Health and Sanitation . . . . .	3
FSD	101	Orientation to Culinary Arts . . . . .	1
FSD	160	Culinary Fundamentals . . . . .	5
FSD	165	Fundamentals of Classical Techniques . . . . .	15
FSD	170	Theory 2 - Advanced Culinary Fundamentals . . . . .	5
FSD	175	Advanced Classical Techniques . . . . .	15
FSD	180	Garde Manger and Menu Development . . . . .	5
FSD	185	Restaurant Production . . . . .	15
FSD	190	Cost Controls . . . . .	5
FSD	195	Restaurant Production 2 . . . . .	15
FSD	200	Theory 5 – Management Techniques . . . . .	5
FSD	205	Restaurant Production . . . . .	15
HOS	203	Commercial Food Nutrition . . . . .	3



**RELATED INSTRUCTION**

ENGL 105	Applied Composition . . . . .	3
ENGL 106	Technical Writing . . . . .	3
MATH 110	Applied Math for Technicians . . . . .	3
PSYC 240	Psychology of Human Relations . . . . .	3

**ELECTIVES - GENERAL EDUCATION**

A minimum of 10 elective credits from at least two of the following:

Visual, Literary, and Performing Arts . . . . .	5
Individual, Cultures, and Societies. . . . .	5
Science & Mathematics . . . . .	5
Business & Office . . . . .	5
<b>TOTAL PROGRAM CREDITS</b>	<b>129</b>

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

**REQUIREMENTS**

- Students must maintain a minimum cumulative grade point average of 2.0.

**TECHNICAL SPECIALTY**

FSD 100	Health and Sanitation . . . . .	3
FSD 101	Orientation to Culinary Arts . . . . .	1
FSD 160	Culinary Fundamentals . . . . .	5
FSD 165	Fundamentals of Classical Techniques . . . . .	15
FSD 170	Theory 2 – Advanced Culinary Fundamentals . . . . .	5
FSD 175	Advanced Classical Techniques. . . . .	15
FSD 180	Garde Manger and Menu Development. . . . .	5
FSD 185	Restaurant Production 1. . . . .	15
FSD 190	Cost Controls . . . . .	5
FSD 195	Restaurant Production 2. . . . .	15
FSD 200	Theory 5 – Management Techniques. . . . .	5
FSD 205	Leadership Practicum. . . . .	15
HOS 203	Commercial Food Nutrition . . . . .	3

**RELATED INSTRUCTION**

ENGL& 101	English Composition I . . . . .	5
ENGL& 102	Composition II . . . . .	5
MATH 102	College Algebra . . . . .	5
PSYC& 100	General Psychology. . . . .	5

**ELECTIVES**

A minimum of 10 elective credits from at least two of the following:

Visual, Literary, and Performing Arts . . . . .	5
Lab Science . . . . .	5
Business & Office . . . . .	5
<b>TOTAL PROGRAM CREDITS</b>	<b>137</b>

**Diesel & Heavy Equipment Technician**

**Diesel Technology Training Center**

Graduates of this program find career opportunities in trucking, heavy equipment, construction, industrial machinery, marine diesel, and materials handling. Additional and more advanced opportunities may be available as shop service representatives, service managers, foremen, and construction equipment superintendents.

The certificate program can be completed in six quarters. Advanced standing may be granted for work experience and/or related training. The Associate of Applied Science degree builds upon previously acquired knowledge and skills to develop leadership and communication abilities.

There are additional costs for books and supplies. Students are responsible for getting required tools before instruction begins.

**Certificate**

**TECHNICAL SPECIALTY COURSES**

BUS 159	Introduction to Computing for Technical Programs . . . . .	5
HDM 100	Preventive Maintenance and Inspection . . . . .	8
HDM 108	Heavy Duty Diesel Welding. . . . .	8
HDM 110	Introduction to Electrical . . . . .	8
HDM 115	Advanced Electrical. . . . .	8
HDM 120	Tires, Alignment, Steering, and Suspension. . . . .	8
HDM 125	Hydraulic and Air Brakes . . . . .	8
HDM 171	Lift Truck Operator . . . . .	2
MVM 101	Introduction to Motor Vehicle Maintenance Technology I . . . . .	8

**RELATED INSTRUCTION**

ENGL 105	Applied Composition . . . . .	3
Admission via passing testing requirement/permission only.		
MATH 110	Applied Math for Technicians . . . . .	3
PSYC 240	Psychology of Human Relations . . . . .	3
<b>TOTAL PROGRAM CREDITS</b>		<b>72</b>

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

Completion of Certificate Requirements: 72 credits

**TECHNICAL SPECIALTY COURSES**

BUS 159	Introduction to Computing for Technical Programs . . . . .	5
HDM 100	Preventive Maintenance and Inspection . . . . .	8
HDM 108	Heavy Duty Diesel Welding. . . . .	8
HDM 110	Introduction to Electrical . . . . .	8
HDM 115	Advanced Electrical. . . . .	8
HDM 120	Tires, Alignment, Steering, and Suspension. . . . .	8
HDM 125	Hydraulic and Air Brakes . . . . .	8
HDM 130	Hydraulics & Pneumatics. . . . .	8
HDM 135	Drive Train . . . . .	8
HDM 140	Heating, Ventilation, and Air Conditioning . . . . .	8
HDM 145	Gasoline Engines . . . . .	8

HDM	150	Diesel Engine Diagnose/Remove and Replace	8
HDM	155	Diesel Engine Rebuild	8
HDM	171	Lift Truck Operator	2
HDM	197	Internship - Heavy Duty Diesel	7
Credit range: 1-7; Total required credits: 1-6			
Requires program advising. Please see a program advisor or counselor for details.			
MVM	101	Introduction to Motor Vehicle Maint Technology I	8

**RELATED INSTRUCTION**

ENGL	105	Applied Composition	3
MATH	110	Applied Math for Technicians	3
PSYC	240	Psychology of Human Relations	3
TOTAL PROGRAM CREDITS			121-126

**Associate of Applied Science – Transfer (A.A.S.-T) Degree****TECHNICAL SPECIALTY COURSES**

BUS	159	Introduction to Computing for Technical Programs	5
HDM	100	Preventive Maintenance and Inspection	8
HDM	108	Heavy Duty Diesel Welding	8
HDM	110	Introduction to Electrical	8
HDM	115	Advanced Electrical	8
HDM	120	Tires, Alignment, Steering, and Suspension	8
HDM	125	Hydraulic and Air Brakes	8
HDM	130	Hydraulics & Pneumatics	8
HDM	135	Drive Train	8
HDM	140	Heating, Ventilation, and Air Conditioning	8
HDM	145	Gasoline Engines	8
HDM	150	Diesel Engine Diagnose/Remove and Replace	8
HDM	155	Diesel Engine Rebuild	8
HDM	171	Lift Truck Operator	2
HDM	197	Internship – Heavy Duty Diesel	7
Credit range: 1-7; Total required credits: 1-7			
Requires program advising. Please see a program advisor or counselor for details.			
MVM	101	Introduction to Motor Vehicle Maintenance Technology I	8

**RELATED INSTRUCTION**

Minimum of 10 credits from any two of the following:

Visual, Literary and Performing Arts	5
Individual, Cultures, and Societies	5
The Natural World	5
Science & Mathematics	5
Business & Office	5
Supervision & Management	5
Technical Specialty course	5

**RELATED INSTRUCTION**

ENGL&	101	English Composition I	5
MATH	102	College Algebra	5
PSYC&	100	General Psychology	5
TOTAL PROGRAM CREDITS			137-143

**Home Care Aide Short-Term Certificate****Workforce Education**

This full-time course is designed to prepare students for success in passing the State of Washington Department of Health Home Care Aide examination and is a step in continuing to Nursing Assistant Certified and other nursing or health-related courses. It covers the 85 hours of learning and skills objectives mandated by Washington state for home care aide. It also includes context-related basic skills, such as reading and study strategies, math, and oral communication.

**TECHNICAL SPECIALTY COURSES**

AHE	135	Home Care Aide	15
TOTAL PROGRAM CREDITS			15

**Industrial Maintenance Mechanic (AJAC)****Apprenticeship Division**

The Industrial Maintenance Mechanic program is an apprenticeship program offered through the Aerospace Joint Apprenticeship Committee at the Georgetown campus. This program is a two-year aerospace/aircraft-oriented program. Students must have successfully completed the first two years of aircraft mechanic airframe machinist program and have their FAA airframe license. For more information, please contact the Aerospace Joint Apprenticeship Committee at (206) 764-7940 or info@AJACtraining.org.

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

IMMA	101	Mechanical Drawings AJAC	5
IMMA	102	Lifting & Rigging AJAC	5
IMMA	103	Precision Machining	5
IMMA	121	Welding for Maintenance Technicians	5
IMMA	122	Electrical Systems	5
IMMA	123	Machine Automation Theory	5
IMMA	201	Math for Maintenance Technicians	5
IMMA	202	Maintenance Machining	5
IMMA	203	Mechanical Systems	5
IMMA	221	Fluid Power Systems	5
IMMA	222	Materials Processes & References	5
IMMA	223	Mechatronics Capstone	5
On-the-Job Training credits			10
TOTAL PROGRAM CREDITS			70

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

### TECHNICAL SPECIALTY COURSES

IMMA 101	Mechanical Drawings AJAC	5
IMMA 102	Lifting & Rigging AJAC	5
IMMA 103	Precision Machining	5
IMMA 121	Welding for Maintenance Technicians	5
IMMA 122	Electrical Systems	5
IMMA 123	Machine Automation Theory	5
IMMA 201	Math for Maintenance Technicians	5
IMMA 202	Maintenance Machining	5
IMMA 203	Mechanical Systems	5
IMMA 222	Materials Processes & References	5
IMMA 223	Mechatronics Capstone	5

### RELATED INSTRUCTION

BUS 235	Oral Communications in Business	5
Following can be substituted:		
CMST&220	Public Speaking	5
ENGL& 101	English Composition I	5
MATH& 107	Math in Society	5
PSYC& 100	General Psychology	5
Following can be substituted:		
SOC&101	Intro to Sociology	5
TOTAL PROGRAM CREDITS		90

## Industrial Manufacturing & Transportation

### Flagging (non-credit) Short-Term Certificate

#### Georgetown Campus

The course covers all the material and work practices a person needs in order to qualify as an entry-level licensed flagger in the state of Washington. Federal, state, and local guidelines, and the Manual on Uniform Traffic Control Devices (MUTCD) are also covered.

### TECHNICAL SPECIALTY COURSES

CSS 123	Flagging and Traffic Control	0
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### Industrial Manufacturing Advanced Short-Term Certificate

#### Georgetown Campus

A short-term training program primarily for entry-level and re-entering professionals wanting to update and expand their skill set in the world of diversified and advanced manufacturing. In recent years, the manufacturing industry has been a staple, living-wage job for many residents in the Puget Sound. With manufacturing on the rise, this short-term professional technical certificate supports introductory skill building in new and traditional manufacturing techniques, including industry certifications in Electronics, Blueprint Writing, CPR/First Aid, Flagging, OSHA 30, LEAN Manufacturing, Composites, and Welding.

Graduates have the opportunity to be hired directly by employers that support the program and interview candidates. The result from this program is a skilled pipeline of entry-level workers to support the growing number of industrial manufacturing jobs in the region. The academy provides students a pathway to enter into an apprenticeship or continue their education with Seattle Colleges. Credits earned in this program may transfer into other industrial educational pathways at South Seattle College or Seattle Colleges. Successful completion of the Manufacturing Academy may satisfy the minimum requirements for entry into the Aerospace Joint Apprenticeship Council program.

This program is one of two certificates that make up the Industrial Manufacturing Academy.

### TECHNICAL SPECIALTY COURSES

INT 112	Manufacturing Tools and Trades	5
INT 115	Introduction to Lean Manufacturing	3
INT 165	OSHA 30 General Safety	3
INT 180	Introduction to Composites	3
TOTAL PROGRAM CREDITS		14

## Industrial Manufacturing Basics Short-Term Certificate

#### Georgetown Campus

A short-term training program primarily for entry-level and re-entering professionals wanting to update and expand their skill set in the world of diversified and advanced manufacturing. In recent years, the manufacturing industry has been a staple, living-wage job for many residents in the Puget Sound. With manufacturing on the rise, this short-term professional technical certificate supports introductory skill building in new and traditional manufacturing techniques, including industry certifications in Electronics, Blueprint Writing, CPR/First Aid, Flagging, OSHA 30, LEAN Manufacturing, Composites, and Welding.

Graduates have the opportunity to be hired directly by employers that support the program and interview candidates. The result from this program is a skilled pipeline of entry-level workers to support the growing number of industrial manufacturing jobs in the region. The academy provides students a pathway to enter into an apprenticeship or continue their education with Seattle Colleges. Credits earned in this program may transfer into other industrial educational pathways at South Seattle College or Seattle Colleges. Successful completion of the Manufacturing Academy may satisfy the minimum requirements for entry into the Aerospace Joint Apprenticeship Council program.

This program is one of two certificates that make up the Industrial Manufacturing Academy.

### TECHNICAL SPECIALTY COURSES

HDM 171	Lift Truck Operator	2
IFS 100	Industrial First Aid and Safety	2
INT 101	Manufacturing Basics I	3
INT 108	Intro to Blueprint Reading for Construction	3
INT 109	Flagging and Traffic Control	1
MATH 110	Applied Math for Technicians	3
TOTAL PROGRAM CREDITS		14

## Landscape Horticulture

### Technical Education

The Landscape Horticulture program offers training in landscape design and construction, greenhouse and nursery operations, irrigation systems, plant problem diagnostics, pruning, plant identification, soil science and much more. Students may choose between a certificate program, an Associate of Applied Science degree or individual courses to meet specific needs. Graduates typically find employment in landscape construction firms, pest management services, tree care companies, garden centers, wholesale nurseries, park maintenance departments and greenhouses. There are many self-employment opportunities in this field.

### LHO: Landscape Horticulture Certificate

#### TECHNICAL SPECIALTY COURSES

LHO	100	Careers in Horticulture . . . . .	1
LHO	110	Integrated Pest and Weed Management . . . . .	5
LHO	115	Fall Plant Identification . . . . .	4
LHO	116	Winter Plant Identification . . . . .	4
LHO	117	Spring Plant Identification . . . . .	4
LHO	139	Landscape Maintenance . . . . .	4
LHO	140	Introduction to Arboriculture. . . . .	4
LHO	150	Horticulture Science . . . . .	4
LHO	152	Soils . . . . .	3
LHO	155	Pruning . . . . .	4
LHO	197	Internship in Landscape Horticulture . . . . .	1

#### RELATED INSTRUCTION

ENG	107	English Composition . . . . .	5
MATH	110	Math for Technicians . . . . .	3
PSYC	240	Psychology of Human Relations . . . . .	3

TOTAL PROGRAM CREDITS 48-49

### LHO: Design and Construction Installation Associate of Applied Science Degree (A.A.S.) Degree

#### TECHNICAL SPECIALTY COURSES

LHO	100	Careers in Horticulture . . . . .	1
LHO	110	Integrated Pest and Weed Management . . . . .	5
LHO	115	Fall Plant Identification . . . . .	4
LHO	116	Winter Plant Identification . . . . .	4
LHO	117	Spring Plant Identification . . . . .	4
LHO	122	Residential Landscape Design I . . . . .	5
LHO	126	Residential Landscape Design II . . . . .	5
LHO	135	Introduction to Drainage & Irrigation Systems . . . . .	3
LHO	139	Landscape Maintenance . . . . .	4
LHO	140	Introduction to Arboriculture. . . . .	4
LHO	142	Sustainable Practices for the Urban Landscape . . . . .	4
LHO	150	Horticulture Science . . . . .	4
LHO	152	Soils . . . . .	3
LHO	155	Pruning . . . . .	4
LHO	189	Introduction to Landscape Construction . . . . .	3
LHO	197	Internship in Landscape Horticulture . . . . .	1

LHO	236	Advanced Irrigation System Design. . . . .	5
LHO	238	Maintenance Estimating and Bidding . . . . .	3
LHO	250	Small Business Management for Horticulture . . . . .	3
LHO	263	Residential Landscape Design III . . . . .	5
LHO	265	Landscape Contracts and Specifications. . . . .	3
LHO	267	Dynascape for Landscape Design. . . . .	5
LHO	272	Landscape Construction Project – Fall. . . . .	4
LHO	273	Landscape Construction Project – Spring . . . . .	4

#### RELATED INSTRUCTION

ENG	105	English Composition . . . . .	3
MATH	110	Math for Technicians . . . . .	3
PSY	240	Psychology of Human Relations . . . . .	3

### LHO: Design and Construction Installation Associate of Applied Science – Transfer (A.A.S.-T) Degree

#### TECHNICAL SPECIALTY COURSES

LHO	100	Careers in Horticulture . . . . .	1
LHO	110	Weed and Integrated Pest Management . . . . .	5
LHO	115	Fall Plant Identification . . . . .	4
LHO	116	Winter Plant Identification . . . . .	4
LHO	117	Spring Plant Identification . . . . .	4
LHO	122	Residential Landscape Design I . . . . .	5
LHO	126	Residential Landscape Design II . . . . .	5
LHO	135	Introduction to Drainage and Irrigation System . . . . .	3
LHO	139	Landscape Maintenance . . . . .	4
LHO	140	Intro to Arboriculture . . . . .	4
LHO	142	Sustainable Practices for the Urban Environment . . . . .	4
LHO	150	Horticulture Science . . . . .	4
LHO	152	Soils . . . . .	3
LHO	155	Pruning . . . . .	4
LHO	189	Introduction to Landscape Construction . . . . .	3
LHO	197	Internship in Landscape Horticulture . . . . .	2
LHO	236	Advanced Irrigation System Design. . . . .	5
LHO	238	Maintenance Estimating and Bidding . . . . .	3
LHO	250	Small Business Management for Horticulture . . . . .	3
LHO	263	Residential Landscape Design III . . . . .	5
LHO	265	Landscape Contracts and Specifications. . . . .	3
LHO	267	Dynascape for Landscape Design. . . . .	5
LHO	272	Landscape Construction Projects – Fall. . . . .	4
LHO	273	Landscape Construction Projects – Spring. . . . .	4

#### RELATED INSTRUCTION

ENGL&	101	English Composition . . . . .	5
MATH&	107	Math for Society . . . . .	5
Following can be substituted: Higher-level MATH course			
PSYC&	100	General Psychology . . . . .	5
Following can be substituted:			
PSYC&	200	Lifespan Psychology . . . . .	5
-OR-	PSYC 210	Personality & Individual Differences. . . . .	5
-OR-	PSYC 245	Social Psychology . . . . .	5
-OR-	SOC&101	Intro to Sociology . . . . .	5
-OR-	SOC 150	Race/Ethnic Relations . . . . .	5
-OR-	SOC 245	Social Psychology . . . . .	5

General Education Elective . . . . .5  
 Select minimum of 5 credits from one of the following:  
 Visual, Literary, and Performing Arts  
 Individuals, Cultures, and Societies  
 The Natural World

**LHO: Horticulture Studies  
 Associate of Applied Science (A.A.S.) Degree**

**TECHNICAL SPECIALTY COURSES**

LHO 100	Careers in Horticulture . . . . .	1
LHO 110	Integrated Pest and Weed Management . . . . .	5
LHO 111	Greenhouse Operations . . . . .	4
LHO 115	Fall Plant Identification . . . . .	4
LHO 116	Winter Plant Identification . . . . .	4
LHO 117	Spring Plant Identification . . . . .	4
LHO 135	Introduction to Drainage & Irrigation Systems . . . . .	3
LHO 139	Landscape Maintenance . . . . .	4
LHO 140	Introduction to Arboriculture. . . . .	4
LHO 142	Sustainable Practices for the Urban Landscape . . . . .	4
LHO 150	Horticulture Science . . . . .	4
LHO 152	Soils . . . . .	3
LHO 155	Pruning . . . . .	4
LHO 197	Internship in Landscape Horticulture . . . . .	2
LHO 198	Greenhouse and Nursery Practicum I . . . . .	2
LHO 210	Plant Problem Diagnostics. . . . .	4
LHO 215	Plant Propagation . . . . .	4
LHO 218	Plant Production & Marketing. . . . .	5
LHO 236	Advanced Irrigation System Design. . . . .	5
LHO 238	Maintenance Estimating and Bidding . . . . .	3
LHO 250	Small Business Management for Horticulture . . . . .	3
LHO 265	Landscape Contracts and Specifications. . . . .	3
LHO 298	Greenhouse and Nursery Practicum II. . . . .	2

**RELATED INSTRUCTION**

ENGL 107	Applied Composition . . . . .	5
MATH 110	Applied Math for Technicians . . . . .	3
PSYC 240	Psychology of Human Relations . . . . .	3

TOTAL PROGRAM CREDITS 92-93

**LHO: Horticulture Studies  
 Associate of Applied Science – Transfer  
 (A.A.S.-T) Degree**

**TECHNICAL SPECIALTY COURSES**

LHO 100	Careers in Horticulture . . . . .	1
LHO 110	Integrated Pest and Weed Management . . . . .	5
LHO 111	Greenhouse Operations . . . . .	4
LHO 115	Fall Plant Identification . . . . .	4
LHO 116	Winter Plant Identification . . . . .	4
LHO 117	Spring Plant Identification . . . . .	4
LHO 135	Introduction to Drainage & Irrigation Systems . . . . .	3
LHO 139	Landscape Maintenance . . . . .	4
LHO 140	Introduction to Arboriculture. . . . .	4
LHO 142	Sustainable Practices for the Urban Landscape . . . . .	4

LHO 150	Horticulture Science . . . . .	4
LHO 152	Soils . . . . .	3
LHO 155	Pruning . . . . .	4
LHO 197	Internship in Landscape Horticulture . . . . .	2
LHO 198	Greenhouse and Nursery Practicum I . . . . .	2
LHO 210	Plant Problem Diagnostics. . . . .	4
LHO 215	Plant Propagation . . . . .	4
LHO 218	Plant Production & Marketing. . . . .	5
LHO 236	Advanced Irrigation System Design. . . . .	5
LHO 238	Maintenance Estimating and Bidding . . . . .	3
LHO 250	Small Business Management for Horticulture . . . . .	3
LHO 265	Landscape Contracts and Specifications. . . . .	3
LHO 298	Greenhouse and Nursery Practicum II. . . . .	2

**RELATED INSTRUCTION**

ENGL& 101	English Composition I . . . . .	5
MATH& 107	Math in Society . . . . .	5

Following can be substituted:  
 Higher-level MATH course

PSYC& 100	General Psychology. . . . .	5
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Following can be substituted:  
 PSYC&200 – Lifespan Psychology . . . . .5  
 -OR- PSYC 210 Personality & Individual Differences. . . . .5  
 -OR- PSYC 245 Social Psychology . . . . .5  
 -OR- SOC&101 Intro to Sociology . . . . .5  
 -OR- SOC 150 Race/Ethnic Relations . . . . .5  
 -OR- SOC 245 Social Psychology . . . . .5

General Education Elective . . . . .5  
 Select minimum of 5 credits from one of the following:  
 Visual, Literary, and Performing Arts  
 Individuals, Cultures, and Societies  
 The Natural World

TOTAL PROGRAM CREDITS 92-93

**LHO: Associate of Applied Science (A.A.S.) Degree  
 Sustainable Land Management**

**TECHNICAL SPECIALTY COURSES**

LHO 100	Careers in Horticulture . . . . .	1
LHO 110	Integrated Pest and Weed Management . . . . .	5
LHO 115	Fall Plant Identification . . . . .	4
LHO 116	Winter Plant Identification . . . . .	4
LHO 117	Spring Plant Identification . . . . .	4
LHO 135	Introduction to Drainage and Irrigation System . . . . .	3
LHO 139	Landscape Maintenance . . . . .	4
LHO 140	Intro to Arboriculture . . . . .	4
LHO 142	Sustainable Practices for the Urban Environment . . . . .	4
LHO 150	Horticulture Science . . . . .	4
LHO 152	Soils . . . . .	3
LHO 155	Pruning . . . . .	4
LHO 189	Introduction to Landscape Construction . . . . .	3
LHO 197	Internship in Landscape Horticulture . . . . .	2
LHO 210	Plant Problem Diagnostics. . . . .	4
LHO 236	Advanced Irrigation System Design. . . . .	5
LHO 237	Advanced Irrigation Diagnostics and Repair. . . . .	5
LHO 238	Maintenance Estimating and Bidding . . . . .	3
LHO 239	Advanced Landscape Management . . . . .	4

LHO	243	Ecological Restoration Principles and Practices . . . . .	5
LHO	250	Small Business Management for Horticulture . . . . .	3
LHO	265	Landscape Contracts and Specifications. . . . .	3

**RELATED INSTRUCTION**

ENG	107	Applied Composition . . . . .	5
MATH	110	Applied Math for Technicians . . . . .	3
PSY	240	Psychology of Human Relations . . . . .	3

## LHO: Associate of Applied Science – Transfer (A.A.S.-T) Degree Sustainable Land Management

**TECHNICAL SPECIALTY COURSES**

LHO	100	Careers in Horticulture . . . . .	1
LHO	110	Integrated Pest and Weed Management . . . . .	5
LHO	115	Fall Plant Identification . . . . .	4
LHO	116	Winter Plant Identification . . . . .	4
LHO	117	Spring Plant Identification . . . . .	4
LHO	135	Introduction to Drainage & Irrigation Systems . . . . .	3
LHO	139	Landscape Maintenance . . . . .	4
LHO	140	Introduction to Arboriculture. . . . .	4
LHO	142	Sustainable Practices for the Urban Landscape . . . . .	4
LHO	150	Horticulture Science . . . . .	4
LHO	152	Soils . . . . .	3
LHO	155	Pruning . . . . .	4
LHO	189	Introduction to Landscape Construction . . . . .	3
LHO	210	Plant Problem Diagnostics . . . . .	4
LHO	236	Advanced Irrigation System Design. . . . .	5
LHO	237	Advanced Irrigation Diagnostics and Repair. . . . .	5
LHO	238	Maintenance Estimating and Bidding . . . . .	3
LHO	239	Advanced Landscape Management . . . . .	4
LHO	243	Ecological Restoration Principles and Practices . . . . .	5
LHO	250	Small Business Management for Horticulture . . . . .	3
LHO	265	Landscape Contracts and Specifications. . . . .	3

**RELATED INSTRUCTION**

ENGL&	101	English Composition I . . . . .	5
MATH&	107	Math in Society . . . . .	5
Following can be substituted: Higher-level MATH course			
PSYC&	100	General Psychology. . . . .	5
Following can be substituted:			
	PSYC&200	Lifespan Psychology . . . . .	5
	-OR- PSYC 210	Personality & Individual Differences. . . . .	5
	-OR- PSYC 245	Social Psychology . . . . .	5
	-OR- SOC&101	Intro to Sociology . . . . .	5
	-OR- SOC 150	Race/Ethnic Relations . . . . .	5
	-OR- SOC 245	Social Psychology . . . . .	5
General		Education Elective . . . . .	5
Select minimum of 5 credits from one of the following areas: Visual, Literary, and Performing Arts Individuals, Cultures, and Societies The Natural World			

## Integrated Pest Management Short-Term Certificate Landscape Horticulture

A short-term training program primarily for horticultural professionals wanting to update and expand their skill set. In the broad sense, integrated pest management pertains to all pests of our landscapes, whether they are insect, fungal, bacterial, or weed pests. Knowledge of integrated pest management principles and practices is especially beneficial to those who manage landscapes and those who consult about landscape problems. Skill at diagnosing plant problems and developing integrated strategies for managing those problems is a valuable asset, whether you are self-employed or an employee. Completing this certificate will help one prepare for the Washington State Department of Agriculture pesticide license exams.

**TECHNICAL SPECIALTY COURSES**

LHO	108	Weed Identification and Management . . . . .	3
LHO	109	Integrated Pest Management. . . . .	3
LHO	210	Plant Problem Diagnostics. . . . .	4

TOTAL PROGRAM CREDITS	10
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## Landscape Construction Short-Term Certificate

This is a short-term training program for landscape professionals wanting to update and expand their skill set or for students interesting in the understanding and implementation of landscape construction projects. This will be helpful to the students to gain skills to start their own business or create a valuable skills for a future employer.

**TECHNICAL SPECIALTY COURSES**

LHO	189	Introduction to Landscape Construction . . . . .	3
LHO	272	Landscape Construction Project – Fall. . . . .	4
LHO	273	Landscape Construction Project – Spring . . . . .	4

TOTAL PROGRAM CREDITS	11
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## Landscape Construction Crew Leader Short-Term Certificate

**Landscape Horticulture**

A short-term training program for landscape professionals wanting to update and expand their skill set or for students interesting in the understanding and supervising the implementation of landscape construction projects. This will be helpful to the professional landscape contractor who wants to bid and install public, commercial, or residential landscapes projects. This will be helpful to the students to gain skills to start their own business or create a valuable skills for a future employer.

**TECHNICAL SPECIALTY COURSES**

LHO	189	Introduction to Landscape Construction . . . . .	3
LHO	238	Maintenance Estimating and Bidding . . . . .	3
LHO	265	Landscape Contracts and Specifications. . . . .	3
LHO	272	Landscape Construction Project – Fall. . . . .	4
LHO	273	Landscape Construction Project –Spring. . . . .	4

LHO 299 Special Topics . . . . .	4
T.A./ Supervisor Training for:	
LHO 272 Landscape Construction Project – Fall	
-OR- LHO 273 Landscape Construction Project – Spring	
<b>TOTAL PROGRAM CREDITS</b>	<b>19</b>

**Landscape Horticulture Ecological Restoration Short-Term Certificate**

**Landscape Horticulture**

A short-term training program primarily for horticultural professionals wanting to update and expand their skill set. In recent years, there has been an increasing number of projects involving the restoration of native vegetation and ecosystem health.

This could be helpful to professional horticulturists who want to bid on public projects, create native plant landscapes for private property owners, or install native plant gardens in residential landscapes.

**TECHNICAL SPECIALTY COURSES**

LHO 119 Native Plants for Northwest Landscapes . . . . .	3
LHO 240 Ecological Restoration: An Introduction . . . . .	3
LHO 241 Ecological Restoration Project Planning Implementation . . . . .	3
<b>TOTAL PROGRAM CREDITS</b>	<b>9</b>

**Landscape Horticulture Irrigation Technician Short-Term Certificate**

**Landscape Horticulture**

This is a short-term training program for landscape and horticultural professionals wanting to update and expand their skill set or for students interesting in water resource management. Water resource management requires understanding for managing programs designed to protect landscapes, habitats, and natural resources. This will be helpful to the professional landscape contractor who wants to bid on public, commercial, or residential landscapes projects that include irrigation systems.

Completing the certificate would prepare one for design, installation, operation, maintenance, management, and service for landscape and irrigation systems.

**TECHNICAL SPECIALTY COURSES**

LHO 135 Introduction to Drainage & Irrigation Systems . . . . .	3
LHO 197 Internship to Landscape Horticulture . . . . .	2
LHO 236 Advanced Irrigation System Design . . . . .	5
LHO 237 Advanced Irrigation Diagnostics and Repair . . . . .	5
<b>TOTAL PROGRAM CREDITS</b>	<b>15</b>

**Urban Forestry Short-Term Certificate**

**Landscape Horticulture**

A short-term training program primarily for horticultural professionals wanting to update and expand their skill set. Urban forestry is about the cultivation and maintenance of trees in urban areas. This includes individual landscape trees, street trees, park trees, and trees in natural areas. Knowledge in urban forestry can be valuable to those who work in parks, public gardens, residential landscape design/construction/maintenance, commercial landscape management, and street tree maintenance. Completing this certificate will help one prepare for the International Society of Arboriculture’s “Certified Arborist” exam.

**TECHNICAL SPECIALTY COURSES**

LHO 140 Introduction to Arboriculture . . . . .	3
LHO 155 Pruning . . . . .	3
LHO 210 Plant Problem Diagnostics . . . . .	3
<b>TOTAL PROGRAM CREDITS</b>	<b>9</b>

**Logistics, Transportation, and Supply Chain Management Basics**

**Professional Technical**

This is 19-credit short-term training program is designed for working adults who are interested in the logistics industry. Initially classes will be offered at night with an online component. The internship class is not required to complete the program.

**Short-Term Certificate**

**TECHNICAL SPECIALTY COURSES**

LOG 235 Introduction to Transport and Logistics . . . . .	3
LOG 236 Introduction to Airport and Sea Port Operations . . . . .	4
LOG 237 Supply Chain Management . . . . .	4
LOG 238 Domestic and International Freight Operations . . . . .	4
LOG 239 Transportation and Border Security . . . . .	4
<b>TOTAL PROGRAM CREDITS</b>	<b>19</b>

**Maintenance and Light Repair One-Year Certificate (MLR)**

**Automotive Technology Training Center**

The automotive technology program qualifies students for employment in auto maintenance and related fields. Career opportunities include advancement to auto shop supervisor, service department head, auto service advisor, sales representative, and shop owner.

Meets NATEF General Service Technician (GST) requirements.

Students completing this program are qualified for entry-level work in the automotive industry.

**TECHNICAL SPECIALTY COURSES**

AUT	100	Introduction to Electricity . . . . .	6
AUT	122	Steering and Suspension . . . . .	4
AUT	124	Tires and Wheel Alignment . . . . .	4
AUT	126	Basic Brake Systems . . . . .	3
AUT	127	Advanced Brake Systems . . . . .	4
AUT	128	Automotive Engine Diagnose/Remove and Replace . . . . .	4
AUT	130	Automotive Engine Rebuild . . . . .	8
AUT	134	Introduction to Drivability . . . . .	3
MVM	100	Introduction to Automotive Technology I . . . . .	3
MVM	102	Introduction to Automotive Technology II . . . . .	6

**RELATED INSTRUCTION**

ENGL	105	Applied Composition . . . . .	3
MATH	110	Applied Math for Technicians . . . . .	3
PSYC	240	Psychology of Human Relations . . . . .	3
TOTAL PROGRAM CREDITS			54

**Manufacturing/Machinist Technology****Georgetown Campus**

The CNC Machinist program is an intensive program designed to prepare qualified individuals for entry into the job market as a CNC (Computer Numerical Control) machinist. Students will be involved in the production and machining of industry parts.

The Basic Manufacturing Certificate of Completion is a one-quarter (three-month) course of study that provides students with entry-level manufacturing skills and a foundation for certificates and two-year degrees in other manufacturing specialty areas. Students interested in advanced knowledge and skills are encouraged to enroll in a longer course of study to complete an A.A.A.S. degree in Manufacturing at partner colleges.

The Principles of Precision Machining Certificate of Completion is a two-quarter (six-month) course of study that provides students with entry level manufacturing skills and a foundation to pursue other certificates and two-year degrees in other manufacturing specialty areas.

The Manufacturing/Machinist Technology Certificate of Proficiency is a three-quarter (nine-month) course of study to prepare students for entry into the job market as a manufacturing technician.

This program is part of a collaboration program with Shoreline Community College. Upon completion of the Certificate of Proficiency, it can be applied toward an Associate in Applied Arts and Sciences (A.A.A.S.) in Manufacturing/Machinist Technology completed at Shoreline Community College.

**Certificate of Proficiency****TECHNICAL SPECIALTY COURSES**

MFGT	105	Basic Manufacturing . . . . .	20
MFGT	106	Intermediate Manufacturing . . . . .	20
MFGT	120	Advanced Manufacturing . . . . .	20
TOTAL PROGRAM CREDITS			60

**Maritime Shipyard Welding Certificate**

WFT	100	Welding Theory . . . . .	5
WFT	105	Print Reading and Welding Symbols . . . . .	5
WFT	120	Intro to Welding Oxyacetylene/Shielded Metal Arc . . . . .	6
WFT	121	SMAW Shielded Metal Arc Welding . . . . .	6
WFT	125	FCAW Flux Core Arc Welding . . . . .	6
WFT	144	Shipyard Intensive . . . . .	6
MTH	110	Applied Math (for Welders) . . . . .	3
TOTAL PROGRAM CREDITS			37

**Maritime Shipyard Welding****Georgetown Campus**

This training program introduces welding theory, process, and application understanding in the context specific to the marine industry. Focus includes Shielded Metal Arc Welding (SMW), tack welding, SMAW-1F/2F-horizontal/3F-vertical/4F-overhead fillet weld positions, joint fit-up, back-gouging, and other skills applied to a shipyard work environment. Other competencies include welds in vertical and overhead positions for marine operations and accomplishing welds out of doors in all weather conditions and in areas not easily accessible. Students will test for a range of maritime recognized certifications, including NAVSEA and American Welding Society (AWS) certifications.

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

WFT	100	Welding Theory . . . . .	5
WFT	105	Print Reading and Welding Symbols . . . . .	5
WFT	120	Intro to Welding Oxyacetylene/Shielded Metal Arc . . . . .	6
WFT	121	SMAW Shielded Metal Arc Welding . . . . .	6
WFT	125	FCAW Flux Core Arc Welding . . . . .	6
WFT	144	Shipyard Intensive Welding . . . . .	6

**RELATED INSTRUCTION**

MATH	110	Applied Math for Technicians . . . . .	3
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## Meat Cutter

### Apprenticeships

The Meat Cutter program allows individuals completing approved apprenticeship programs to earn an A.A.S.-T degree. To earn the degree, candidates must have certification from their JATC that they have completed an apprenticeship program of at least credits 50 credits: 4,000 hours of structured On-the-Job-Training (OJT) and 300 hours of related supplemental instruction courses. In addition, the program requires a minimum of 20 credits of general education (transfer level) requirements (communications, quantitative reasoning, English composition, and social science) and 30 credits of Professional Technical courses in nutrition, culinary, and business. These courses may be taken at any time during the apprenticeship program prior to or after the certification from the JATC. Students must complete a total of 90 credits of instruction to receive the A.A.S.-T degree.

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

### TECHNICAL SPECIALTY COURSES

HAR	141	Introduction to Principles of Meat Cutting . . .	5.5
HAR	142	Principles of Meat Cutting II . . . . .	5
HAR	143	Principles of Meat Cutting III . . . . .	5
HAR	151	Meat Cutting IV . . . . .	5.5
HAR	152	Meat Cutting V . . . . .	3.5
HAR	153	Principles of Meat Cutting VI . . . . .	3.5

### GENERAL EDUCATION COURSES

Written Composition – Transfer Level 100+ . . . . .	5
Communication – Transfer Level 100+ . . . . .	5
Quantitative Reasoning – Transfer Level 100+ . . . . .	5
Social Science – Transfer Level 100+ . . . . .	5

### RELATED INSTRUCTION

BUS& 101 Introduction to Business . . . . .	5
Following can be substituted:	
BUS 114 Intro to Marketing . . . . .	5
FSD 160 Culinary Fundamentals . . . . .	5
FSD 170 Theory 2 – Advanced Culinary Fundamentals . . .	5
Following can be substituted:	
FSD 180 Theory 3 – Garde Manger . . . . .	5
Nutrition – Transfer Level 100+ . . . . .	5
On-the-Job Training (OJT)	
Total of 20 credits (4,000 hours) in structured on-the-job training is required.	

TOTAL PROGRAM CREDITS 90

## Medical Office Professional

### Technical Education

The Medical Office Professional certificate program prepares individuals to work in a variety of medical office facilities, including hospitals; clinics; physician, dental, optical, chiropractic, and physical therapy offices; insurance companies; and government offices. Emphasis is on interpersonal communication, insurance billing, medical terminology, software programs, and conversational skills in a medical setting. Skill development includes clerical functions, keyboarding, billing, and patient relations.

## Certificate

### PREREQUISITES

Enter program with 30 wpm keyboarding skills, or first complete BUS 104 - Keyboarding.

### TECHNICAL SPECIALTY COURSES

AHE	106	Math for Health Care Careers . . . . .	3
AHE	124	Software Applications for Health Care . . . . .	4
AHE	130	Medical Insurance and Coding I . . . . .	5
AHE	131	Medical Insurance and Coding II . . . . .	3
AHE	143	Medical Terminology and A/P I for Coders . . . . .	4
AHE	144	Medical Terminology and A/P II for Coders . . . . .	4
AHE	171	Excel for Health Occupations . . . . .	4
AHE	172	Word for Health Care . . . . .	4
AHE	173	Intro to Records Management . . . . .	3
BUS	197	Work Experience/Business Occupations . . . . .	15
		Credit range for BUS 197: 1-15.; Total required credits: 3	
BUS	216	Professional Development . . . . .	5

### RELATED INSTRUCTION

BUS	116	Business Math/Spreadsheets . . . . .	5
BUS	131	Integrated Communications I . . . . .	5
PSYC	240	Psychology of Human Relations . . . . .	3

TOTAL PROGRAM CREDITS 53

## Multi-Occupational Trades Degree for the PSEJATC Apprenticeship Program

### Apprenticeship Division

South Seattle College provides an Associate of Applied Science degree in Multi-Occupational Trades for students already enrolled in an approved Joint Apprenticeship and Training Council (JATC) apprenticeship program in the following areas: Electricians, Boeing Machinist, Puget Sound Electricians, Sprinkler Fitters, and Meat Cutters. Students enrolled in apprenticeship classes who are interested in this degree should contact their apprenticeship coordinator for more information and specific details.

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

### REQUIREMENTS

Completion of the apprenticeship requirements of the Puget Sound Electrical Joint Apprenticeship and Training Committee (PSEJATC) Apprenticeship Training Program

### PREREQUISITES

Special requirements for admission.

### RELATED INSTRUCTION

EEL	141	Accelerated NJATC Electrical Instruction Vice	.12
Following can be substituted:			
EEL 150 PS Electricians – First Year			
EEL	151	Puget Sound Electricians – Second Year	. . . . 10
EEL	152	Puget Sound Electrical JATC – Third-Year Apprentice	. . . . . 10
EEL	153	Puget Sound Electrical JATC – Fourth-Year Apprentice	. . . . . 10
EEL	154	Puget Sound Electrical Apprentice – Fifth Year	. . . . . 10
ENGL	105	Applied Composition	. . . . . 3
ENGL	106	Technical Writing	. . . . . 3
MATH	110	Applied Math for Technicians	. . . . . 3
PSYC	240	Psychology of Human Relations	. . . . . 3
SMG	210	Project Management	. . . . . 3
TOTAL PROGRAM CREDITS			69

## NATEF Master Two-Year Certificate

### Automotive Technology Training Center

The automotive technology program qualifies students for employment in auto maintenance and related fields. Career opportunities include advancement to auto shop supervisor, service department head, auto service advisor, sales representative, and shop owner. Students completing this program are qualified for entry-level work in the automotive industry.

### PREREQUISITES

NATEF General Service Technician (GST) Certificate or instructor permission.

Completion of the NATEF Minor Certification is required to earn the Master Certification, but the Minor and Master courses may be taken out of sequence.

### TECHNICAL SPECIALTY COURSES

AUT	100	Introduction to Electricity	. . . . . 6
AUT	102	Advanced Electrical Systems	. . . . . 4
AUT	104	Automotive Electronics	. . . . . 3
AUT	106	Basic Power Accessories	. . . . . 3
AUT	112	Manual Transaxles and Clutches	. . . . . 3
AUT	114	Manual Transmissions, Transfer Cases & Drive Axle	. . . . . 3
AUT	116	Air Conditioning and Heating	. . . . . 6
AUT	118	Automatic Transmission Diagnosis and Service	. . . . . 4
AUT	120	Advanced Automatic Transmission Service	. . . 6
AUT	122	Steering and Suspension	. . . . . 4

AUT	124	Tires and Wheel Alignment	. . . . . 4
AUT	126	Basic Brake Systems	. . . . . 3
AUT	127	Advanced Brake Systems	. . . . . 4
AUT	128	Automotive Engine Diagnose/Remove and Replace	. . . . . 4
AUT	130	Automotive Engine Rebuild	. . . . . 8
AUT	134	Introduction to Drivability	. . . . . 3
AUT	138	Advanced Drivability and Fuel Systems	. . . . 4
AUT	140	Engine Computers	. . . . . 4
AUT	142	Emission Controls and Diagnostic Test Equipment	. . . . . 6
MVM	100	Introduction to Automotive Technology I	. . . . 3
MVM	102	Introduction to Automotive Technology II	. . . . 6

### RELATED INSTRUCTION

ENGL	105	Applied Composition	. . . . . 3
MATH	110	Applied Math for Technicians	. . . . . 3
PSYC	240	Psychology of Human Relations	. . . . . 3
TOTAL PROGRAM CREDITS			102

## Network Security Administration

### Technical Education Division

This program is for students who want to specialize in the design, implementation, security, and management of networks, workstations, virtualization, and Cloud computing. Areas covered also include hardware, operating systems, databases, local and wide area networks, and wireless environments. Graduates can continue at South to earn a B.A.S. degree, seek employment as IT administrative support, start their own business, or be a support specialist in one of these in-demand technologies.

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

### TECHNICAL SPECIALTY COURSES

IT	115	Networking 1: Networking Fundamentals	. . . . 5
IT	118	Hardware 1: Hardware Fundamentals	. . . . 5
IT	122	Installing and Configuring Windows Server	. . . 5
IT	131	Linux Fundamentals	. . . . . 5
IT	142	Network 2: Interconnecting CISCO Network Device 2	. . . . . 5
IT	143	Network 3: Interconnect CISCO Network Device 3	. . . . . 8
IT	212	Introduction to Programing	. . . . . 5
IT	251	Security 1: Information Security Fundamentals	. . . . . 5
IT	252	Security 2: Network Security Fundamental	. . . 5
IT	254	Security 3: Ethical Hacking & System Defense	. . . . . 5
IT	255	Security 4: Network Forensic & Incident Response	. . . . . 5
IT	276	Virtualization and Cloud Technologies	. . . . 5
IT	295	Internship Network Security Administration	. . . 2
IT	296	Certification Test PREP Net+	. . . . . 2
IT	297	Certification Test Prep ICND 1	. . . . . 2
IT	298	Certification Test Prep ICND 2	. . . . . 2
IT	299	Certification Test PREP Security +	. . . . . 2

**GENERAL EDUCATION COURSES**

ENGL	107	Applied Composition . . . . .	5
MATH	136	Inferential Statistics . . . . .	5
		Following can be substituted:	
		MATH&146 Introduction to Statistics 5	
PSYC	240	Psychology of Human Relations . . . . .	3
TOTAL PROGRAM CREDITS			125

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

**TECHNICAL SPECIALTY COURSES**

IT	115	Networking 1: Networking Fundamentals . . . . .	5
IT	118	Hardware 1: Hardware Fundamentals . . . . .	5
IT	122	Installing and Configuring Windows Server . . . . .	5
IT	131	Linux Fundamentals . . . . .	5
IT	142	Network 2: Interconnecting CISCO Network Device 2 . . . . .	5
IT	143	Network 3: Interconnect CISCO Network Device 3 . . . . .	8
IT	212	Introduction to Programing. . . . .	5
IT	251	Security 1: Information Security Fundamentals. . . . .	5
IT	252	Security 2: Network Security Fundamental . . . . .	5
IT	254	Security 3: Ethical Hacking & System Defense. . . . .	5
IT	255	Security 4: Network Forensic & Incident Response . . . . .	5
IT	276	Virtualization and Cloud Technologies. . . . .	5
IT	295	Internship Network Security Administration . . . . .	2
IT	296	Certification Test PREP Net+ . . . . .	2
IT	297	Certification Test Prep ICND 1 . . . . .	2
IT	298	Certification Test Prep ICND 2 . . . . .	2
IT	299	Certification Test PREP Security +. . . . .	2

**RELATED INSTRUCTION**

ENGL&	101	English Composition I . . . . .	5
MATH&	146	Introduction to Statistics . . . . .	5
PSYC&	100	General Psychology. . . . .	5
		Natural Science Elective. . . . .	5
		Following can be substituted:	
		Individuals, Cultures, and Societies . . . . .	5
		-OR- Visual, Literary, and Performing Arts . . . . .	5

TOTAL CREDITS: 131

**Nursing: Associate in Nursing (A.D.N.) Degree**

**Nursing**

The Associate Degree Nursing (ADN) program offers an Associate in Nursing – Direct Transfer Degree/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.

**Direct Transfer Agreement/Major Related Program (DTA/MRP)**

**PREREQUISITES**

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

BIOL&	160	General Biology W/Lab . . . . .	5
BIOL&	241	Human Anatomy and Physiology 1 . . . . .	5
BIOL&	242	Human Anatomy and Physiology 2 . . . . .	5
BIOL&	260	Microbiology. . . . .	5
CHEM&	121	Intro to Chemistry. . . . .	5
ENGL&	101	English Composition I . . . . .	5
MATH&	146	Introduction to Statistics . . . . .	5
PSYC&	100	General Psychology. . . . .	5
PSYC&	200	Lifespan Psychology . . . . .	5

**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.

ENGL&	102	Composition II . . . . .	5
HUM	105	Intercultural Communication . . . . .	5
		Humanities Electives . . . . .	5

See Advising for list of approved courses.

**TECHNICAL SPECIALTY COURSES**

NURS	101	Fundamentals of Nursing. . . . .	4
NURS	102	Medical – Surgical Nursing I. . . . .	3
NURS	103	Medical – Surgical Nursing II . . . . .	3
NURS	111	Skills Lab I. . . . .	2
NURS	112	Medical – Surgical Nursing I. . . . .	3
NURS	113	Skills Lab II . . . . .	1
NURS	121	Nursing Practice . . . . .	3
NURS	123	Nursing Practice II. . . . .	4
NURS	132	Behavioral Health Nursing . . . . .	3
NURS	142	Behavioral Health Practice. . . . .	3
NURS	204	Medical – Surgical Nursing III. . . . .	5
NURS	205	Medical – Surgical Nursing IV. . . . .	4
NURS	206	Health Promotion and Managing Care in Nursing . . . . .	3
NURS	214	Nursing Practice III . . . . .	3
NURS	215	Maternal Nursing . . . . .	3
NURS	216	Nursing Practice IV . . . . .	5
NURS	224	Pediatric Nursing . . . . .	3
NURS	225	Maternal Practice . . . . .	1
NURS	226	Transitions to Professional Nursing Role . . . . .	3
NURS	234	Pediatric Practice . . . . .	1
NUTR&	101	Nutrition . . . . .	5
PHIL	131	Ethics and Policy in Health Care I . . . . .	1
PHIL	132	Ethics and Policy in Health Care II. . . . .	2
PHIL	230	Ethics and Policy in Health Care III . . . . .	2

PSYC	132	Psychosocial Issues in Health Care I . . . . .	.2
PSYC	231	Psychosocial Issues in Health Care II . . . . .	.2
PSYC	232	Psychosocial Issues in Health Care II . . . . .	.1
TOTAL PROGRAM CREDITS			135

## Nursing Assistant Short-Term Certificate

### Nursing

The Nursing Assistant program instruction emphasizes competence in skills for providing safe and accurate care. Students will acquire a basic understanding of the emotional as well as the physical needs of a patient. Upon successful completion, students are eligible to take the Washington State Certified Exam.

#### TECHNICAL SPECIALTY COURSES

NUR	170	NA-C Basic Health Care . . . . .	.12
TOTAL PROGRAM CREDITS			12

## Office Assistant Short-Term Certificate

### Business Information Technology

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	164	Career Development I . . . . .	.2
BUS	169	Using Computers in Business . . . . .	.5
TOTAL PROGRAM CREDITS			19

## Parent Education

### Home & Family Life Department

South Seattle Community College's Home & Family Life Department offers classes in parent education throughout the West Seattle and Vashon Island communities. Parents enroll in a noncredit course titled "Parent Education Child Study Laboratory" while enrolling their children (ages birth to 5 years old) in a Parent Cooperative Preschool. Course content includes child development, positive guidance, communication, anger management, problem-solving, health and safety, family issues, and group organization and leadership. Parents develop skills through informal discussions with other enrolled parents and professional teaching staff as well as through:

- Practical experiential participation in their child's preschool lab – one day per week.
- Discussion at an evening parenting class – once per month.
- Lectures at parent education seminars – minimum of one per quarter

## Web Assistant/Web Development

### Technical Education Division

This new program will specialize in underlying aspects of effective web design and development. The program prepares students to design and create websites that display appropriately on all devices and platforms. The program prepares students to integrate databases, social media, and content management systems.

A student can progress from a one-year Web Assistant certificate to a two-year Web Development Associate of Applied Science Degree (A.A.S.) degree or Web Development Associate of Applied Science – Transfer (A.A.S.-T) degree.

## Web Assistant Certificate

### TECHNICAL SPECIALTY COURSES

ART	210	Digital & Graphic Art – Photoshop + Illustrator . . . . .	.5
CSC	100	Beginning Computers . . . . .	.5
CTN	101	Introduction to Computing Technology. . . . .	.5
CTN	120	Databases I . . . . .	.5
CTN	121	Database II . . . . .	.5
CTN	131	Introduction to Computer Programming. . . . .	.5
CTN	160	Web Production I. . . . .	.5
CTN	161	Web Production II . . . . .	.5
CTN	165	Usability Design . . . . .	.5

### RELATED INSTRUCTION

ENGL	105	Applied Composition . . . . .	.3
Following can be substituted:			
ENGL&101		English Composition . . . . .	.5
PHIL&	120	Symbolic Logic . . . . .	.5
Following can be substituted:			
MATH	102	Algebra . . . . .	.5
-OR- Higher MATH course			
PSYC	240	Psychology of Human Relations . . . . .	.3
Following can be substituted:			
PSYC&100		General Psychology . . . . .	.5

TOTAL PROGRAM CREDITS 56-60

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

### TECHNICAL SPECIALTY COURSES

CTN	203	PHP/MySQL . . . . .	.5
CTN	230	Licensing, Copyright & Law . . . . .	.5
ART	210	Digital & Graphic Art – Photoshop + Illustrator . . . . .	.5
CSC	100	Beginning Computers . . . . .	.5
CTN	101	Introduction to Computing Technology. . . . .	.5
CTN	120	Databases I . . . . .	.5
CTN	121	Database II . . . . .	.5
CTN	131	Introduction to Computer Programming. . . . .	.5
CTN	160	Web Production I. . . . .	.5
CTN	161	Web Production II . . . . .	.5
CTN	165	Usability Design . . . . .	.5
CTN	173	Content Management Systems (CMS) WordPress . . . . .	.5

CTN 197	Computing Internship . . . . .	3
	Credit range: 1-15	
	Total required internship credits: 3	
CTN 202	Web Scripting . . . . .	5
CTN 224	Web Server Configuration and Management . . .	5
CTN 269	Capstone . . . . .	5
CTN 295	Research and Customer Service . . . . .	5

**TECHNICAL SPECIALTY ELECTIVE**

Select five credits from one of the following areas (see advisor):

CSC course . . . . .	5
CTN course . . . . .	5

**RELATED INSTRUCTION**

ENGL 105	Applied Composition . . . . .	3
ENGL 106	Technical Writing . . . . .	3
PHIL& 120	Symbolic Logic . . . . .	5
PSYC 240	Psychology of Human Relations . . . . .	3

**GENERAL EDUCATION ELECTIVE**

Choose minimum of 5 credits from any of the following areas:

Visual, Literary, and Performing Arts . . . . .	5
Individual, Cultures, and Societies. . . . .	5
Natural World, The . . . . .	5
Science & Mathematics . . . . .	5

TOTAL PROGRAM CREDITS 107

This degree incorporates the one-year Web Assistant certificate (both are earned).

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

**TECHNICAL SPECIALTY COURSES**

CTN 203	PHP/MySQL . . . . .	5
CTN 230	Licensing, Copyright & Law . . . . .	5
ART 210	Digital & Graphic Art – Photoshop + Illustrator . . . . .	5
CSC 100	Beginning Computers . . . . .	5
CTN 101	Introduction to Computing Technology. . . . .	5
CTN 120	Databases I . . . . .	5
CTN 121	Database II . . . . .	5
CTN 131	Introduction to Computer Programming. . . . .	5
CTN 160	Web Production I. . . . .	5
CTN 161	Web Production II . . . . .	5
CTN 165	Usability Design . . . . .	5
CTN 173	Content Management Systems (CMS) WordPress . . . . .	5
CTN 197	Computing Internship . . . . .	3
	Credit range: 1-15; Total Required Credits: 3	
CTN 202	Web Scripting . . . . .	5
CTN 224	Web Server Configuration and Management . . .	5
CTN 269	Capstone . . . . .	5
CTN 295	Research and Customer Service . . . . .	5

**TECHNICAL SPECIALTY ELECTIVE**

Select 5 credits from one of the following (see advisor):

CSC course . . . . .	5
CTN course . . . . .	5

**RELATED INSTRUCTION**

ENGL& 101	English Composition I . . . . .	5
PHIL& 120	Symbolic Logic . . . . .	5
	Following can be substituted:	
MATH 102	College Algebra . . . . .	5
	-OR- Higher MATH course	
PSYC& 100	General Psychology. . . . .	5

**GENERAL EDUCATION**

Choose minimum of 5 credits from any of the following areas:

Visual, Literary, and Performing Arts . . . . .	5
Individual, Cultures, and Societies. . . . .	5
The Natural World . . . . .	5
Science & Mathematics . . . . .	5

TOTAL PROGRAM CREDITS 108

This degree incorporates the one-year Web Assistant certificate (both are earned).

**Welding Fabrication Technology**

**Technical Education**

Metal fabrication and welding are important components of many trades, and the demand for trained welders and fabricators continues to rise. Job opportunities and skill needs are diverse, including general and production welding, blueprint reading, layout, cutting and fitting, finishing, and materials handling.

Training includes all aspects of welding and fabrication operations, including blueprint reading, planning operation sequence, applying geometry, heat effects and metal properties, layout, positioning, fitting, welding, and material handling. Special projects are also offered for the journey-level welding fabricator desiring to update skills and certification.

Graduates are prepared for positions such as welders, fabricators, shop supervisors, estimators and shop owners in boatbuilding, automotive, machine fabrication, commercial fishing gear, piping systems, and building construction and maintenance. This program prepares students to pass welder certification tests through the Washington Association of Building Officials (WABO). Welding also offers a short-term certificate in Electronic Assembly.

**Certificate**

**TECHNICAL SPECIALTY COURSES**

HDM 171	Lift Truck Operator . . . . .	2
WFT 100	Welding Theory. . . . .	5
WFT 105	Print Reading and Welding Symbols . . . . .	5
WFT 111	Materials and Testing . . . . .	5
WFT 120	Intro to Welding Oxyacetylene/Shielded Metal Arc . . . . .	6
WFT 121	SMAW Shielded Metal Arc Welding . . . . .	6
WFT 124	Gas Metal Arc Welding . . . . .	6
WFT 125	FCAW Flux Core Arc Welding. . . . .	6
WFT 127	Gas Tungsten Arc Welding . . . . .	6
WFT 128	Fabrication Carbon Arc/Plasma Arc Cutting . . .	6

**RELATED INSTRUCTION**

MATH	110	Applied Math for Technicians . . . . .	3
ENGL	107	Applied Composition . . . . .	5
		Following can be substituted:	
		ENGL&101 English Composition I . . . . .	5
PSYC	240	Psychology of Human Relations . . . . .	3
		Following can be substituted:	
		PSYC&100 General Psychology . . . . .	5
TOTAL PROGRAM CREDITS			64 OR 66

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

HDM	171	Lift Truck Operator . . . . .	2
TDR	131	Introduction to CAD 2D . . . . .	4
WFT	100	Welding Theory . . . . .	5
WFT	105	Print Reading and Welding Symbols . . . . .	5
WFT	111	Materials and Testing . . . . .	5
WFT	120	Intro to Welding Oxyacetylene/Shielded Metal Arc . . . . .	6
WFT	121	SMAW Shielded Metal Arc Welding . . . . .	6
WFT	124	Gas Metal Arc Welding . . . . .	6
WFT	125	FCAW Flux Core Arc Welding . . . . .	6
WFT	127	Gas Tungsten Arc Welding . . . . .	6
WFT	128	Fabrication Carbon Arc/Plasma Arc Cutting . . . . .	6
WFT	197	Industry Internship . . . . .	3

**TECHNICAL ELECTIVES (SELECT 40)**

WFT	220	Pipe Shielded Metal Arc (SMAW) . . . . .	8
WFT	227	Advanced Fabrication I . . . . .	7
WFT	228	Pipe Gas Tungsten Arc Welding (GTAW) . . . . .	8
WFT	238	Advanced Fabrication II . . . . .	7
WFT	241	WABO Test SMAW Plate . . . . .	6
WFT	242	WABO Test Prep GMAW Plate . . . . .	6
WFT	243	WABO Test Prep FCAW Plate . . . . .	6
WFT	244	WABO Test Prep GTAW Plate . . . . .	6
WFT	245	WABO Test Prep SMAW Pipe . . . . .	6
WFT	246	WABO Test Prep GTAW Pipe . . . . .	6

**RELATED INSTRUCTION**

MATH	110	Applied Math for Technicians . . . . .	3
ENGL	107	Applied Composition for Technicians . . . . .	5
		Following can be substituted:	
		ENGL&101 English Composition I . . . . .	5
PSYC	240	Psychology of Human Relations . . . . .	3
		Following can be substituted:	
		PSYC&100 General Psychology . . . . .	5
TOTAL PROGRAM CREDITS			92 OR 94

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

HDM	171	Lift Truck Operator . . . . .	2
WFT	100	Welding Theory . . . . .	5
WFT	105	Print Reading and Welding Symbols . . . . .	5
WFT	111	Materials and Testing . . . . .	5
WFT	120	Intro to Welding Oxyacetylene/Shielded Metal Arc . . . . .	6
WFT	121	SMAW Shielded Metal Arc Welding . . . . .	6
WFT	124	Gas Metal Arc Welding . . . . .	6
WFT	125	FCAW Flux Core Arc Welding . . . . .	6
WFT	127	Gas Tungsten Arc Welding . . . . .	6
WFT	128	Fabrication Carbon Arc/Plasma Arc Cutting . . . . .	6
WFT	197	Industry Internship . . . . .	3

**TECHNICAL ELECTIVES (SELECT 4)**

WFT	220	Pipe Shielded Metal Arc (SMAW) . . . . .	8
WFT	227	Advanced Fabrication I . . . . .	7
WFT	228	Pipe Gas Tungsten Arc Welding (GTAW) . . . . .	8
WFT	238	Advanced Fabrication II . . . . .	7
WFT	241	WABO Test SMAW Plate . . . . .	6
WFT	242	WABO Test Prep GMAW Plate . . . . .	6
WFT	243	WABO Test Prep FCAW Plate . . . . .	6
WFT	244	WABO Test Prep GTAW Plate . . . . .	6
WFT	245	WABO Test Prep SMAW Pipe . . . . .	6
WFT	246	WABO Test Prep GTAW Pipe . . . . .	6

**RELATED INSTRUCTION**

ENGL&	101	English Composition I . . . . .	5
MATH	107	Math in Society . . . . .	5
PSYC&	100	General Psychology . . . . .	5
TDR	131	Introduction to CAD 2D . . . . .	4

**GENERAL EDUCATION COURSES**

A minimum of 5 credits in one of the following areas:

Visual, Literary, and Performing Arts . . . . .	5
Individual, Cultures, and Societies . . . . .	5
TOTAL PROGRAM CREDITS	105

**Welding – Level 1 Short-Term Certificate****Technical Education**

This certificate is a one-quarter certificate in welding that includes courses in welding process and application, power tools, print reading, layout skills, oxy/acetylene, air carbon arc cutting, and punching and shearing. It may be used as the first quarter of a multi-quarter certificate that must be taken in progression. Level I Certificate gives the successful completer an overview of the welding field and basic skills in welding and cutting. This certificate could be used to obtain an entry-level job or continue with more training.

**TECHNICAL SPECIALTY COURSES**

WFT	100	Welding Theory . . . . .	5
WFT	120	Intro to Welding Oxyacetylene/Shielded Metal Arc . . . . .	6
WFT	121	SMAW Shielded Metal Arc Welding . . . . .	6
TOTAL PROGRAM CREDITS			17

### Welding – Level 2 Short-Term Certificate

#### Technical Education

This certificate lists the courses required for the second quarter of study for the Level 2 Certificate. Courses required include advanced layout, press brake operation, shielded metal arc welding, welding symbols, flame shaping, and maintenance and repair welding. Successful completion of Level 1 is required to enroll in Level 2 courses. Level 2 Certificate gives the successful completer a more in-depth study of general welding and fabricating principles and will qualify a student for employment in an entry-level welding job or for continuing with more training.

#### TECHNICAL SPECIALTY COURSES

WFT	105	Print Reading and Welding Symbols . . . . .	5
WFT	124	Gas Metal Arc Welding . . . . .	6
WFT	125	FCAW Flux Core Arc Welding . . . . .	6
TOTAL PROGRAM CREDITS			17

### Welding – Level 3 Short-Term Certificate

#### Technical Education

This certificate lists the courses required for the third quarter of study for the Level 3 Certificate. Courses required include gas metal arc welding, gas tungsten arc welding, and weld inspection. Level 3 Welding Certificate gives the successful completer more advanced skills in welding and fabricating principles and will qualify a student for employment in an entry-level welding job or for continuing with more training.

#### TECHNICAL SPECIALTY COURSES

WFT	111	Materials and Testing . . . . .	5
WFT	127	Gas Tungsten Arc Welding . . . . .	6
WFT	128	Fabrication Carbon Arc/Plasma Arc Cutting . . . . .	6
TOTAL PROGRAM CREDITS			17

### Welding – Level 4 Short-Term Certificate

#### Technical Education

This certificate lists the courses required for the fourth quarter of study for the Level 4 Certificate. Courses required include welding certification, salvage and reconstruction, heat treat, and employee rights and responsibilities. Level 4 Welding Certificate gives the successful completer more advanced skills in welding and fabricating principles and will qualify a student for employment in an entry-level welding job or for continuing with more training.

#### TECHNICAL SPECIALTY COURSES

WFT	220	Pipe Shielded Metal Arc (SMAW) . . . . .	8
WFT	227	Advanced Fabrication I . . . . .	7
TOTAL PROGRAM CREDITS			15

### Welding – Level 5 Short-Term Certificate

#### Technical Education

This certificate lists the courses required for the fifth quarter of study for the Level 5 Certificate. Courses required include estimating and layout, development of welding process, aluminum weldments, material handling, and construction of jigs and fixtures. Level 5 Welding Certificate gives the successful completer more advanced skills in welding and fabricating principles and will qualify a student for employment in an entry-level welding job or for continuing with more training.

#### TECHNICAL SPECIALTY COURSES

WFT	228	Pipe Gas Tungsten Arc Welding (GTAW) . . . . .	8
WFT	238	Advanced Fabrication II . . . . .	7
TOTAL PROGRAM CREDITS			15

### Wine Industry: Food & Wine Pairing

#### Culinary Arts

The program provides introductory and professional development classes relating to the wine industry, including certificates, Associate of Arts and Associate of Arts – Transfer degrees in these areas: Winemaking (learning to produce quality wines and develop an individual style of wine), Wine Marketing and Sales; and Food and Wine Pairing (the intricacies of bridging food and wine). The program prepares individuals for careers in the wine industry, and it provides advanced skill training for those already employed in the industry. Must be 18 years or older to apply.

### Certificate

#### PREREQUISITE

Must be 18 years or older to apply.

#### TECHNICAL SPECIALTY COURSES

WIN	101	Introduction to Enology . . . . .	3
WIN	121	Introduction to Viticulture . . . . .	3
WIN	123	Sensory Evaluation . . . . .	3
WIN	131	Introduction to Washington Wines . . . . .	3
WIN	133	Introduction to Wines of the World . . . . .	5
WIN	151	Introduction to Food and Wine Pairing . . . . .	3
WIN	152	Advanced Food and Wine Pairing . . . . .	3
WIN	160	Sommelier Service and Beverage Management . . . . .	3

#### TECHNICAL SPECIALTY ELECTIVES

Select 9 credits from any WIN course not already taken.  
 WIN course . . . . . 3

#### RELATED INSTRUCTION

ENGL	107	Applied Composition . . . . .	5
MATH	110	Applied Math for Technicians . . . . .	3
PSYC	240	Psychology of Human Relations . . . . .	3

TOTAL PROGRAM CREDITS			55-58
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For more information on the wine industry program, visit the Northwest Wine Academy website at [nwwineacademy.com](http://nwwineacademy.com).

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

Must be 18 years or older to apply.

**TECHNICAL SPECIALTY COURSES**

WIN	101	Introduction to Enology . . . . .	3
WIN	121	Introduction to Viticulture . . . . .	3
WIN	123	Sensory Evaluation . . . . .	3
WIN	131	Introduction to Washington Wines . . . . .	3
WIN	132	Wine History: Ancient Times to the Enlightenment. . . . .	3
WIN	133	Introduction to Wines of the World . . . . .	5
WIN	151	Introduction to Food and Wine Pairing . . . . .	3
WIN	152	Advanced Food and Wine Pairing . . . . .	3
WIN	153	Food and Wine Pairing – Varietals I . . . . .	4
WIN	154	Food and Wine Pairing – Varietals II . . . . .	4
WIN	155	Food and Wine Pairing – Varietals III . . . . .	4
WIN	156	Food and Wine Pairing – Fortified Wines . . . . .	2
WIN	157	Food and Wine Pairing – Desserts . . . . .	2
WIN	197	Internship in Wine Technology . . . . .	3

**REQUIRED COURSES**

ACCT	110	Introduction to Accounting/Bookkeeping I . . . . .	5
		Following can be substituted:	
		ACCT&201 Principals of Accounting I . . . . .	5
BUS&	101	Introduction to Business . . . . .	5
BUS&	201	Business Law . . . . .	5
		Following can be substituted:	
		POLS&200 Intro to Law . . . . .	5
BUS	235	Oral Communications in Business . . . . .	5
		Following can be substituted:	
		CMST&210 Interpersonal Communication . . . . .	5
		-OR- CMST&220 Public Speaking . . . . .	5
SMG	210	Project Management . . . . .	3

**REQUIRED COURSES – ELECTIVE**

Take 15 credits from the following courses:

BUS	140	Customer Relations . . . . .	5
BUS	169	Using Computers in Business . . . . .	5
BUS	170	Information Technology I . . . . .	5
BUS	177	Spreadsheets . . . . .	5
BUS	182	Information and Database Management . . . . .	5
CTN	160	Web Production I . . . . .	5

**RELATED INSTRUCTION**

BUS	116	Business Math/Spreadsheets . . . . .	5
ENGL	105	Applied Composition . . . . .	3
PSYC	240	Psychology of Human Relations . . . . .	3

**GENERAL EDUCATION ELECTIVES**

Visual, Literary, and Performing Arts . . . . .	10
A minimum of 10 credits from two courses in the above area.	

TOTAL PROGRAM CREDITS 104

For more information on the wine industry program, visit the Northwest Wine Academy website at [nwwineacademy.com](http://nwwineacademy.com).

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

Must be 18 years or older to apply.

**TECHNICAL SPECIALTY COURSES**

WIN	101	Introduction to Enology . . . . .	3
WIN	121	Introduction to Viticulture . . . . .	3
WIN	123	Sensory Evaluation . . . . .	3
WIN	131	Introduction to Washington Wines . . . . .	3
WIN	132	Wine History: Ancient Times to the Enlightenment . . . . .	3
WIN	133	Introduction to Wines of the World . . . . .	5
WIN	151	Introduction to Food and Wine Pairing . . . . .	3
WIN	152	Advanced Food and Wine Pairing . . . . .	3
WIN	153	Food and Wine Pairing – Varietals I . . . . .	4
WIN	154	Food and Wine Pairing – Varietals II . . . . .	4
WIN	155	Food and Wine Pairing – Varietals III . . . . .	4
WIN	156	Food and Wine Pairing – Fortified Wines . . . . .	2
WIN	157	Food and Wine Pairing – Desserts . . . . .	2
WIN	197	Internship in Wine Technology . . . . .	5

TOTAL REQUIRED CREDITS 3

**REQUIRED COURSES**

ACCT	110	Introduction to Accounting/Bookkeeping I . . . . .	5
		Following can be substituted:	
		ACCT&201 Principals of Accounting I . . . . .	5
BUS&	101	Introduction to Business . . . . .	5
BUS&	201	Business Law . . . . .	5
		Following can be substituted:	
		POLS&200 Intro to Law . . . . .	5
BUS	235	Oral Communications in Business . . . . .	5
		Following can be substituted:	
		CMST&210 Interpersonal Communication . . . . .	5
		-OR- CMST&220 Public Speaking . . . . .	5
SMG	210	Project Management . . . . .	3

**REQUIRED COURSES – ELECTIVE**

Take 15 credits from the following courses:

BUS	140	Customer Relations . . . . .	5
BUS	169	Using Computers in Business . . . . .	5
BUS	170	Information Technology I . . . . .	5
BUS	177	Spreadsheets . . . . .	5
BUS	182	Information and Database Management . . . . .	5
CTN	160	Web Production I . . . . .	5

**RELATED INSTRUCTION**

ENGL&	101	English Composition I . . . . .	5
MATH	102	College Algebra . . . . .	5
PSYC&	100	General Psychology . . . . .	5

**GENERAL EDUCATION ELECTIVES**

Visual, Literary, and Performing Arts . . . . .	10
A minimum of 10 credits from two courses in the above area.	

TOTAL PROGRAM CREDITS 108

For more information on the wine industry program, visit the Northwest Wine Academy website at [nwwineacademy.com](http://nwwineacademy.com).



## Wine Industry: Marketing and Sales of Food & Wine

### Culinary Arts

The program provides introductory and professional development classes relating to the wine industry, including certificates, Associate of Arts and Associate of Arts – Transfer degrees in these areas: Winemaking (learning to produce quality wines and develop an individual style of wine), Wine Marketing and Sales, and Food and Wine Pairing (the intricacies of bridging food and wine). The program prepares individuals for careers in the wine industry, and it provides advanced skill training for those already employed in the industry. Must be 18 years or older to apply.

### Certificate

#### PROGRAM PREREQUISITE

Must be 18 years or older to apply.

#### TECHNICAL SPECIALTY COURSES

WIN	101	Introduction to Enology . . . . .	3
WIN	121	Introduction to Viticulture . . . . .	3
WIN	123	Sensory Evaluation . . . . .	3
WIN	131	Introduction to Washington Wines . . . . .	3
WIN	132	Wine History: Ancient Times to the Enlightenment . . . . .	3
WIN	133	Introduction to Wines of the World . . . . .	5
WIN	141	Wine Marketing and Sales . . . . .	3
WIN	151	Introduction to Food and Wine Pairing . . . . .	3

#### TECHNICAL SPECIALTY ELECTIVES

Select nine credits from any WIN course not already taken.

WIN course	. . . . .	3
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#### RELATED INSTRUCTION

ENGL	107	Applied Composition . . . . .	5
MATH	110	Applied Math for Technicians . . . . .	3
PSYC	240	Psychology of Human Relations . . . . .	3

TOTAL PROGRAM CREDITS	49-52
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For more information on the wine industry program, visit the Northwest Wine Academy website at [nwwineacademy.com](http://nwwineacademy.com).

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

#### PROGRAM PREREQUISITE

Must be 18 years or older to apply.

#### TECHNICAL SPECIALTY COURSES

WIN	101	Introduction to Enology . . . . .	3
WIN	121	Introduction to Viticulture . . . . .	3
WIN	123	Sensory Evaluation . . . . .	3
WIN	131	Introduction to Washington Wines . . . . .	3
WIN	132	Wine History: Ancient Times to the Enlightenment . . . . .	3
WIN	133	Introduction to Wines of the World . . . . .	5

WIN	134	Wine History: The New World and Modern Times . . . . .	3
WIN	141	Wine Marketing and Sales . . . . .	3
WIN	142	Wine Business – Winery Operations . . . . .	3
WIN	143	Wine Business – Distribution Network and Suppliers . . . . .	3
WIN	145	Wine Business – Entrepreneurship and Innovation . . . . .	3
WIN	151	Introduction to Food and Wine Pairing . . . . .	3
WIN	152	Advanced Food and Wine Pairing . . . . .	3
WIN	160	Sommelier Service and Beverage Management . . . . .	3
WIN	170	Introduction to Beer with Food Pairing . . . . .	3
WIN	197	Internship in Wine Technology . . . . .	3
WIN	224	Advanced Sensory Evaluation . . . . .	3

#### TECHNICAL SPECIALTY ELECTIVE

Select six courses from the following choices:

WIN	233	Advanced Wines of the World French Scholar . . . . .	3
WIN	234	Advanced Wines of the World: Italian Wine Scholar . . . . .	3
WIN	235	Advanced Wines of the World: New World . . . . .	3
WIN	253	Advanced Food and Wine Pairing: Old World . . . . .	3
WIN	254	Advanced Food and Wine Pairing: New World . . . . .	3
WIN	257	Advanced Food and Wine Pairing Dessert . . . . .	3
WIN	258	Advanced Food and Wine Pairing Cheese . . . . .	3

#### RELATED INSTRUCTION

ENGL	107	Applied Composition . . . . .	5
MATH	110	Applied Math for Technicians . . . . .	3
PSYC	240	Psychology of Human Relations . . . . .	3

#### GENERAL EDUCATION ELECTIVES

Select 10 credits from any two of the following areas:

Visual, Literary, and Performing Arts . . . . .	5
Individual, Cultures, and Societies . . . . .	5
Science & Mathematics . . . . .	5
Business & Office . . . . .	5

TOTAL PROGRAM CREDITS	91
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For more information on the wine industry program, visit the Northwest Wine Academy website at [nwwineacademy.com](http://nwwineacademy.com).

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

#### PROGRAM PREREQUISITE

Must be 18 years or older to apply.

#### TECHNICAL SPECIALTY COURSES

WIN	101	Introduction to Enology . . . . .	3
WIN	121	Introduction to Viticulture . . . . .	3
WIN	123	Sensory Evaluation . . . . .	3
WIN	131	Introduction to Washington Wines . . . . .	3
WIN	132	Wine History: Ancient Times to the Enlightenment . . . . .	3
WIN	133	Introduction to Wines of the World . . . . .	5

WIN	134	Wine History: The New World and Modern Times . . . . .	3
WIN	141	Wine Marketing and Sales . . . . .	3
WIN	142	Wine Business – Winery Operations . . . . .	3
WIN	143	Wine Business – Distribution Network and Suppliers . . . . .	3
WIN	145	Wine Business – Entrepreneurship and Innovation . . . . .	3
WIN	151	Introduction to Food and Wine Pairing . . . . .	3
WIN	152	Advanced Food and Wine Pairing . . . . .	3
WIN	160	Sommelier Service and Beverage Management . . . . .	3
WIN	170	Introduction to Beer with Food Pairing . . . . .	3
WIN	197	Internship in Wine Technology . . . . .	3
WIN	224	Advanced Sensory Evaluation . . . . .	3

**TECHNICAL SPECIALTY ELECTIVE**

Select six courses from the following choices:

WIN	233	Advanced Wines of the World French Scholar . . .	3
WIN	234	Advanced Wines of the World: Italian Wine Scholar . . . . .	3
WIN	235	Advanced Wines of the World: New World . . .	3
WIN	253	Advanced Food and Wine Pairing: Old World . . .	3
WIN	254	Advanced Food and Wine Pairing: New World . . .	3
WIN	257	Advanced Food and Wine Pairing Dessert . . .	3
WIN	258	Advanced Food and Wine Pairing Cheese . . .	3

**RELATED INSTRUCTION**

ENGL&	101	English Composition I . . . . .	5
MATH&	107	Math in Society . . . . .	5

**RELATED INSTRUCTION – HUMAN RELATIONS REQUIREMENT**

Select five credits from the following choices:

PSYC&	100	General Psychology . . . . .	5
PSYC&	200	Lifespan Psychology . . . . .	5
PSYC	210	Personality and Individual Differences . . . . .	5
PSYC	245	Social Psychology . . . . .	5
SOC&	101	Introduction to Sociology . . . . .	5
SOC	150	Race and Ethnic Relations in the United States . . . . .	5
SOC	245	Social Psychology . . . . .	5

**GENERAL EDUCATION ELECTIVES**

Select 10 credits from two of the following areas:

Visual, Literary, and Performing Arts . . . . .	5
Individual, Cultures, and Societies . . . . .	5
Science & Mathematics . . . . .	5
Business & Office . . . . .	5

TOTAL PROGRAM CREDITS 95

For more information on the wine industry program, visit the Northwest Wine Academy website at [nwwineacademy.com](http://nwwineacademy.com).

**Wine Industry: Wine Production****Culinary Arts**

The program provides introductory and professional development classes relating to the wine industry, including certificates, Associate of Arts and Associate of Arts – Transfer degrees in these areas: Winemaking (learning to produce quality wines and develop an individual style of wine), Wine Marketing and Sales, and Food and Wine Pairing (the intricacies of bridging food and wine). The program prepares individuals for careers in the wine industry, and it provides advanced skill training for those already employed in the industry. Must be 18 years or older to apply.

**Certificate****PREREQUISITE**

Must be 18 years or older to apply.

**TECHNICAL SPECIALTY COURSES**

WIN	101	Introduction to Enology . . . . .	3
WIN	102	Enology Laboratory Analysis . . . . .	3
WIN	103	Elements of Wine Production . . . . .	4
WIN	104	Elements of Wine Production II . . . . .	4
WIN	105	Elements of Wine Production III . . . . .	4
WIN	107	Winery Production I . . . . .	1
WIN	108	Winery Production II . . . . .	1
WIN	109	Winery Production III . . . . .	1
WIN	112	Wine Science . . . . .	5
WIN	121	Introduction to Viticulture . . . . .	3
WIN	122	Wine Chemistry and Microbiology . . . . .	3
WIN	123	Sensory Evaluation . . . . .	3
WIN	131	Introduction to Washington Wines . . . . .	3
WIN	133	Introduction to Wines of the World . . . . .	5
WIN	197	Internship in Wine Technology . . . . .	5

**RELATED INSTRUCTION**

ENGL	107	Applied Composition . . . . .	5
MATH	110	Applied Math for Technicians . . . . .	3
PSYC	240	Psychology of Human Relations . . . . .	3

TOTAL PROGRAM CREDITS 57-60

For more information on the wine industry program, visit the Northwest Wine Academy website at [nwwineacademy.com](http://nwwineacademy.com).

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

Must be 18 years or older to apply.

**TECHNICAL SPECIALTY COURSES**

WIN	101	Introduction to Enology . . . . .	3
WIN	102	Enology Laboratory Analysis . . . . .	3
WIN	103	Elements of Wine Production . . . . .	4
WIN	104	Elements of Wine Production II . . . . .	4
WIN	105	Elements of Wine Production III . . . . .	4
WIN	107	Winery Production I . . . . .	1
WIN	108	Winery Production II . . . . .	1
WIN	109	Winery Production III . . . . .	1

WIN 112	Wine Science	. . . . .	5
WIN 121	Introduction to Viticulture	. . . . .	3
WIN 122	Wine Chemistry and Microbiology	. . . . .	3
WIN 123	Sensory Evaluation	. . . . .	3
WIN 131	Introduction to Washington Wines	. . . . .	3
WIN 133	Introduction to Wines of the World	. . . . .	5
WIN 141	Wine Marketing and Sales	. . . . .	3
WIN 142	Wine Business – Winery Operations	. . . . .	3
WIN 143	Wine Business – Distribution Network and Suppliers	. . . . .	3
WIN 145	Wine Business – Entrepreneurship and Innovation	. . . . .	3
WIN 197	Internship in Wine Technology	. . . . .	3
WIN 224	Advanced Sensory Evaluation	. . . . .	3

**TECHNICAL SPECIALTY ELECTIVES**

Select nine credits from any WIN course not already taken.

WIN course	. . . . .	3
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**RELATED INSTRUCTION**

ENGL 107	Applied Composition	. . . . .	5
MATH 110	Applied Math for Technicians	. . . . .	3
PSYC 240	Psychology of Human Relations	. . . . .	3

**GENERAL EDUCATION ELECTIVE**

Select from two of the following areas:

Visual, Literary, and Performing Arts	. . . . .	5
Individual, Cultures, and Societies	. . . . .	5
Science & Mathematics	. . . . .	5
Business & Office	. . . . .	5

TOTAL PROGRAM CREDITS	. . . . .	103
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For more information on the wine industry program, visit the Northwest Wine Academy website at [nwwineacademy.com](http://nwwineacademy.com).

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

Program Prerequisite

Must be 18 years or older to apply.

**TECHNICAL SPECIALTY COURSES**

WIN 101	Introduction to Enology	. . . . .	3
WIN 102	Enology Laboratory Analysis	. . . . .	3
WIN 103	Elements of Wine Production	. . . . .	4
WIN 104	Elements of Wine Production II	. . . . .	4
WIN 105	Elements of Wine Production III	. . . . .	4
WIN 107	Winery Production I	. . . . .	1
WIN 108	Winery Production II	. . . . .	1
WIN 109	Winery Production III	. . . . .	1
WIN 112	Wine Science	. . . . .	5
WIN 121	Introduction to Viticulture	. . . . .	3
WIN 122	Wine Chemistry and Microbiology	. . . . .	3
WIN 123	Sensory Evaluation	. . . . .	3
WIN 131	Introduction to Washington Wines	. . . . .	3
WIN 133	Introduction to Wines of the World	. . . . .	5
WIN 141	Wine Marketing and Sales	. . . . .	3

WIN 142	Wine Business – Winery Operations	. . . . .	3
WIN 143	Wine Business – Distribution Network and Suppliers	. . . . .	3
WIN 145	Wine Business – Entrepreneurship and Innovation	. . . . .	3
WIN 197	Internship in Wine Technology	. . . . .	3
WIN 224	Advanced Sensory Evaluation	. . . . .	3

**TECHNICAL SPECIALTY ELECTIVES**

Select nine credits from any WIN course not already taken.

WIN course	. . . . .	3
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**RELATED INSTRUCTION**

ENGL& 101	English Composition I	. . . . .	5
MATH& 107	Math in Society	. . . . .	5

**RELATED INSTRUCTION – HUMAN RELATIONS REQUIREMENT**

Select 5 credits from the following options:

PSYC& 100	General Psychology	. . . . .	5
PSYC& 200	Lifespan Psychology	. . . . .	5
PSYC 210	Personality and Individual Differences	. . . . .	5
PSYC 245	Social Psychology	. . . . .	5
SOC& 101	Introduction to Sociology	. . . . .	5
SOC 150	Race and Ethnic Relations in the United States	. . . . .	5
SOC 245	Social Psychology	. . . . .	5

**GENERAL EDUCATION ELECTIVES**

Select 10 credits from two of the following areas:

Visual, Literary, and Performing Arts	. . . . .	5
Individual, Cultures, and Societies	. . . . .	5
Science & Mathematics	. . . . .	5
Business & Office	. . . . .	5

TOTAL PROGRAM CREDITS	. . . . .	107
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For more information on the wine industry program, visit the Northwest Wine Academy website at [nwwineacademy.com](http://nwwineacademy.com).

## Work Experience / Internship / Cooperative Education

### Career Development Services – WorkSource Affiliate Internship Programs

The Internship program offers the opportunity to apply what students learn in class in a professional setting. Internships are credit-bearing experiences that complement classroom learning and require permission. The Internship Office is located in the WorkSource Center and provides support for any South student who is interested in learning more.

For more information on internships, visit [careerservices.southseattle.edu/internship.html](http://careerservices.southseattle.edu/internship.html)