President’s Message

Hundreds of learning opportunities are presented in this catalog. Free classes and certificate programs are offered in a variety of academic areas including advanced manufacturing, education and human development, energy, construction and utilities, health care, and information and communications technologies, and digital media. These are priority sectors in San Diego County, which means the free education and training students receive from San Diego College of Continuing Education (SDCCE) aligns with available jobs in San Diego.

Students attend classes for many reasons and range in age from 18 to 100 years. A recent semester had more than 145 different countries represented in the student body. Hundreds of students are learning a new trade or sharpening an old skill, and many are completing high school diplomas or learning to speak English. Thousands attend classes that keep minds and bodies active to maintain health.

SDCCE students are determined, courageous and crave knowledge. Students are committed to learn—not for grades and advanced degrees, but to enrich their lives and the lives of their families. SDCCE welcomes people who return to education to complete high school diplomas, many who have been away from school for years, and we help them succeed. Professionals including doctors and engineers can be found in SDCCE computer labs learning advanced software applications or the latest trends in media technologies. Hundreds more are completing programs or learning a trade to enter the workforce.

As a fully accredited educational institution, students receive first-rate education, and faculty and staff are at the heart of our institution. Many come from around the globe, bringing with them diversity, experience and top academic credentials including Master’s and Doctoral degrees. Each is dedicated to creating a supportive learning environment because we are most proud of the students we serve and the success they achieve.

Thank you for being part of our diverse community committed to educational excellence.

Sincerely,

Tina M. King, Ed.D., President

San Diego College of Continuing Education
Board of Trustees

Maria Nieto Senour, Ph.D.
President

Mary Graham
Executive Vice President

Geysil Arroyo
Vice President for Public Health Advocacy

Craig Milgrim
Vice President for Diversity, Equity, and Inclusion

Bernie Rhinerson
Vice President for Legislative Advocacy

Student Members 2023-2024
The Associated Student Government (ASG) elections are held at the end of the Spring semester. The ASG Presidents from City, Mesa, and Miramar colleges along with the Associated Student Body (ASB) President from College of Continuing Education serve as the student members of the Board of Trustees.

Acting Chancellor and Secretary to the Board
Gregory Smith

District Administration

Gregory Smith
Acting Chancellor

Kelly Hall, Ph.D.
Executive Vice Chancellor, Finance and Business Services

Aimee Gallagher, J.D.
Acting Vice Chancellor, People, Culture, and Technology Services

Susan Topham, Ed.D.
Vice Chancellor, Educational Services

Joel L.A. Peterson, Ph.D.
Vice Chancellor, Operations, Enterprise Services, and Facilities

Jack Beresford
Director, Communications and Public Relations

Michelle Fischthal, DBA
Vice Chancellor, Institutional Innovation and Effectiveness

Laurie Coskey, Ed.D.
Vice Chancellor, Development and Entrepreneurship

Margaret Lamb
Executive Assistant to the Chancellor

San Diego Community College District Board of Trustees (from left, back row) Craig Milgrim and Mary Graham, (front row) Geysil Arroyo, Maria Nieto Senour, and Bernie Rhinerson.
San Diego College of Continuing Education
Administration

Administrative Office
4343 Ocean View Boulevard
San Diego, California 92113-1915
619-388-4990

President.................................................. Tina M. King, Ed.D.
619-388-4990
Fax 619-388-4981

Vice President, Administrative Services ...................................... Jacqueline Sabanos, MBA
619-388-4884
Fax 619-388-4980

Interim Vice President, Instructional Services ........................................ Minou Djawdan Spradley, Ph.D.
619-388-4850
Fax 619-388-4978

Vice President, Student Services ............................................... Shakerra Carter, Ed.D.
619-388-4935
Fax 619-388-4975

Business Services Office........................................ 619-388-4821
Fax 619-388-4975

Communications Office ........................................ 619-388-4833

Instructional Services Office........................................ 619-388-4850
Fax 619-388-4978

Management Services Office........................................ 619-388-4884
Fax 619-388-4980

Student Services Office........................................ 619-388-4935
Fax 619-388-4978

Program Deans
Contact Information

Automotive; Skilled and Technical Trades
Andrei Lucas, Educational Cultural Complex........................................ 619-388-4956

Business and Accounting; Digital Media and Programming; Information Technology
Michelle Gray, North City........................................ 619-388-1800

Career and College Transitions
Stephanie Lewis, Educational Cultural Complex........................................ 619-388-1257

Child Development; Emeritus (55+)
Jacqueline Hester, Ph.D., CE Mesa ........................................ 619-388-1950

Clothing and Textiles; Hospitality and Culinary Arts
Lorie Crosby Howell, Ph.D., West City........................................ 619-388-1873

Community Education
Cassandra Storey,
Cesar E. Chavez........................................ 619-388-1910

Counseling
Roberta Krauss, Educational Cultural Complex........................................ 619-388-4935

Disability Support Programs and Services;
Student Affairs
Katie Serbian, Educational Cultural Complex........................................ 619-388-4944

English as a Second Language & Citizenship
Jan Jarrell, Mid-City........................................ 619-388-4500

Healthcare
Cassandra Storey,
Cesar E. Chavez........................................ 619-388-1910

High School Diploma/High School Equivalency and Basic Skills
Lorie Crosby Howell, Ph.D., West City........................................ 619-388-1873

Planning, Research & Institutional Effectiveness
Jessica Luedtke, CE Mesa........................................ 619-388-1955

Special Projects
Kelly Henwood, Educational Cultural Complex........................................ 619-388-4893

Student Affairs
Michelle Madrid Novak, CE Miramar........................................ 619-388-1257

Student Equity
Maureen Rubalcaba, Educational Cultural Complex........................................ 619-388-4933
Accreditation
San Diego College of Continuing Education is accredited by the Accrediting Commission for Schools, Western Association of Schools and Colleges, 533 Airport Boulevard, Suite 200, Burlingame, California 94010, 650-696-1060, an institutional accrediting body recognized by the Council for Higher Education Accreditation.

Persons interested in the institution’s accreditation and program approvals may review documents describing these activities in the President’s Office. These documents will be available for such review at a mutually convenient time during regular business hours, and an appropriate interpretation of their contents will be provided if requested.

Disclaimer
The San Diego Community College District is governed by its Board of Trustees. No oral or written representation by any employee of the college district is binding on the San Diego Community College District without the express approval of the Board of Trustees.

Academic Freedom & Freedom of Expression
(Board of Trustees Policy – BP 4030)
The San Diego Community College District is committed to an academic environment that embraces the principles of academic freedom and freedom of expression. This commitment is based upon the value that free expression is essential to excellence in teaching, learning, critical inquiry and service to the community.

1. ACADEMIC FREEDOM

   a. Academic freedom affords the faculty the right to speak and write freely, without unreasonable restrictions or prejudices.

   b. In accordance with the doctrine of academic freedom, faculty have the following fundamental rights:

      1. Faculty primacy as a collective body in designing and approving curriculum and instructional methods regardless of delivery modality;

      2. Individual faculty member determination of instructional materials, course content, and presentation, and student evaluation methods, in concert with colleagues, so as to assure consistency of instruction and academic standards;

      3. Individual faculty member freedom to discuss subject matter of the course, as appropriate to the standards of the discipline and academic community, even when that material is controversial;

      4. Individual faculty member authority to evaluate enrolled students on the basis of the academic merit of the students’ performance;

      5. Individual faculty member freedom to choose of professional research topics and methods of investigation—subject to professional and peer-determined standards—as well as unconditional freedom to publish their work; and

      6. Individual faculty member right to participate in curriculum review, accreditation processes, and other forms of participatory governance.
2. FREEDOM OF EXPRESSION

a. Freedom of expression affords the faculty, staff, and students the right to speak and write freely in accordance with the constitutional protections of free speech without fear of retaliation. In particular:

1. The District shall protect the rights of faculty to express their views in the classroom that pertain to class content. While it is understood that controversy is often at the core of inquiry, such controversy should be addressed in a mutually respectful manner;

2. The District shall protect the rights of faculty, staff, and students to speak freely on matters of public concern;

3. Faculty, staff, and students are free to explore a wide range of views and judge the merits of competing ideas;

4. As outlined in board policies and administrative procedures, faculty, staff, and students have responsibilities which are based upon principles of fairness, integrity, confidentiality, safety, professionalism, and respect for others;

5. Faculty, staff, and students have the right to join or form organizations in accordance with District policy and procedures; and

6. Faculty, staff, and students have the right to participate in governance in accordance to District policy and procedures.

The San Diego Community College District

The San Diego Community College District is charged with educating all adults 18 years of age and older in the City of San Diego. The District provides education at several levels, from adult basic education through sophomore level college degree programs. The District has three fully accredited colleges City, Mesa, and Miramar, and San Diego College of Continuing Education, which is accredited by the Accrediting Commission for Schools, Western Association of Schools and Colleges.

The District is governed by a Board of Trustees consisting of five voting members elected by the people of San Diego and a student trustee elected by District college students. The Chancellor, Dr. Carlos O. Cortez, is the Chief Executive Officer in charge of day-to-day operations.
Campus Locations

Cesar E. Chavez Campus
(See map on page 151)
1901 Main Street
San Diego, California 92113-2129
619-388-1910, Fax 619-388-1949
SDCECesarChavez@sdccd.edu
Dean: Cassandra Storey
Communities served: Barrio Logan and Southeast San Diego.

Continuing Education at Mesa College
(See map on page 151)
7350 Armstrong Place
San Diego, CA 92111
619-388-1950, Fax 619-388-1995
SDCEMesa@sdccd.edu
Dean: Jacqueline Hester, Ph.D.
Communities served: Clairemont, Kearny Mesa, and Linda Vista

Educational Cultural Complex
(See map on page 151)
4343 Ocean View Boulevard
San Diego, California 92113-1915
619-388-4956, Fax 619-388-4983
SDCEECC@sdccd.edu
Dean: Andrei Lucas
Communities served: Southeast San Diego, Southcrest, Skyline, Paradise Hills, Memorial Park, South Park and Encanto.

Mid-City Campus
(See map on page 151)
3792 Fairmont Avenue
San Diego, California 92105-2204
619-388-4500, Fax 619-388-4590
SDCEMidcity@sdccd.edu
Dean: Jan Jarrell
Communities served: City Heights, Rolando, Normal Heights, North Park, College, University Heights, Oak Park, Kensington, Talmadge, and East San Diego.
Welcome to San Diego College of Continuing Education

North City Campus
(See map on page 151)
8355 Aero Drive
San Diego, California 92123-1720
619-388-1800, Fax 619-388-1839
SDCENorthCity@sdccd.edu
Dean: Michelle Gray
Communities served: Linda Vista, Kearny Mesa, Mission Valley, Mission Village, Serra Mesa and Tierrasanta. The Continuing Education at Miramar College location serves Mira Mesa and Scripps Ranch.

West City Campus
(See map on page 151)
3249 Fordham Street
San Diego, California 92110-5332
619-388-1873, Fax 619-221-6951
SDCEWestCity@sdccd.edu
Dean: Lorie Crosby Howell, Ph.D.
Communities served: Midway District, Morena, Old Town, and Point Loma

Continuing Education at Miramar College
(See map on page 151)
10440 Black Mountain Road
San Diego, CA 92126-2999
619-388-1800, Fax 619-388-1839
SDCENorthCity@sdccd.edu
Continuing Education at Miramar College location serves Mira Mesa and Scripps Ranch.
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---

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---

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---

- **Cloud Solutions AWS-Associate**

---

- **Cybersecurity Analyst**

---

- **Cyber Threat and Response**

---

- **Desktop Operating Systems**

---

- **Desktop Technician Program**

---

- **Linux Server Administration**

---

- **Network Security Specialist Certificate**

---

- **Network Technician**

---

- **Security Essentials**

---

- **Server Essentials**

---

- **Virtual Datacenter**

---

- **Web Server Technologies and Applications**

---

- **Windows System Administration**

---

- **Skilled & Technical Trades**

---

- **Electronic Technician**

---

- **Gas Metal and Flux Cored Arc Welding**

---

- **Gas Tungsten Arc Welding**

---

- **Graphic Reproduction Program**

---

- **Inspection and Vehicle Preparation Technician**

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- **Metal Fabrication**

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- **Pipe Welding**

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- **Course Descriptions**

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- **Campus Locations**
Academic Calendar 2023–2024

**Fall Semester 2023**

18-Week Semester: September 5, 2023 - January 27, 2024

- September 4, 2023: Holiday – Labor Day**
- November 10, 2023: Holiday – Veterans Day**
- November 20-22, 2023: Classes not in session
- November 23 & 24, 2023: Holiday – Thanksgiving**
- December 15, 2023 - January 1, 2024: Winter Recess, no classes
- December 21, 2023: Holiday – Admissions Day**
- December 22 & 25, 2023: Holiday – Winter Holiday**
- December 29, 2023 & January 1, 2024: Holiday – New Year**
- January 15, 2024: Holiday – Martin Luther King, Jr. Day**

**Spring Semester 2024**

18-Week Semester: January 31 - June 8, 2024

- February 16, 2024: Holiday – Lincoln Day**
- February 19, 2024: Holiday – Washington Day**
- March 25 - 30, 2024: Spring Break, no classes
- March 29, 2024: Holiday – Cesar Chavez Day**
- May 27, 2024: Holiday – Memorial Day**

**Summer Session 2024**

Summer Classes: June 10 - August 24, 2024

- June 19, 2024: Holiday – Juneteenth**
- July 4, 2024: Holiday – Independence Day**

** No Saturday or Sunday classes after a Friday holiday. No Sunday classes before a Monday holiday.
General Information
History
San Diego College of Continuing Education (SDCCE) has been making history for 100 years. We were among the first community college continuing education institutions in California to meet the standards for independent accreditation from the Accrediting Commission for Schools, Western Association of Schools and Colleges. We were one of the first in California to establish a joint high school diploma partnership with the local school district.

Today, SDCCE is once again making history. Faculty, staff, and administration are responding to community needs in unprecedented ways. SDCCE is recommitted to opening its doors to all who are motivated to learn and enrich their lives. We offer more opportunities than ever before through new classes, programs, and services to the community.

We have replaced outdated equipment and built new facilities where needed to provided state-of-the-art learning environments for San Diegans. We are creating new learning pathways that lead to vocational certificates and Associate degrees at City, Mesa, and Miramar Colleges. SDCCE is also developing new community, industry, and business partnerships to maximize public resources.

SDCCE provides opportunities to change lives. Improving skills and gaining knowledge leads to better jobs. SDCCE’s successful students are found in and around San Diego, the state, nation, and world. Each one of these outstanding individuals is contributing to society—making history in their own way.

SDCCE challenges you to look for opportunities as a student, faculty or staff member, or as a business partner in our community, to continue the 100 year-old legacy of SDCCE.

San Diego College of Continuing Education Vision and Mission Statements
The vision and mission statements of San Diego College of Continuing Education (SDCCE) reflects the school’s high-quality educational programs that keep up with the times; transform students’ lives by assisting them in their personal, vocational, and academic pursuits; and are accessible to everyone. The statements stress quality and innovation in teaching, accessibility and equitability of education, career advancement and pathways to college for students, and student success and lifelong learning.

SDCCE Vision
To be the leader in innovative education where students transform their lives and communities.

SDCCE Mission
San Diego College of Continuing Education commits to student success and community enrichment by providing tuition-free, accessible, equitable, and innovative quality education and support services to diverse learners in pursuit of lifelong learning, training, career advancement, and pathways to credit college.
In addition to the mission and vision statements, SDCCE has official statements of philosophy and core values:

**Philosophy Statement**

San Diego College of Continuing Education is a multicultural institution dedicated to providing educational access and lifelong learning opportunities to our community. Our commitment is to all learners, who bring diverse academic skills and life experiences. We offer innovative, high quality instruction and student support services. We believe that education is key to enriching lives and contributing to our community.

**Core Values**

We, the College of Continuing Education faculty, staff, and administration of San Diego Community College District place students at the center of all that we do, supporting and promoting excellence in their endeavors. We acknowledge our responsibility to society and believe that access to lifelong learning is a cornerstone of a democratic society. We consider it our duty to anticipate changing demands in education and welcome the opportunity to shape the future. We affirm many different points of view and places of origin; we uphold equity and inclusion; we value collaboration and shared decision-making; and we honor creativity and innovation.

**Institutional Student Learning Outcomes**

Student Learning Outcomes (SLOs) are the knowledge, skills, and attitudes that students possess and can demonstrate upon completing a course or program of study.

**Effective Communication**

SDCCE students demonstrate effective communication skills.

**Critical Thinking**

SDCCE students critically process information, make decisions, and solve problems independently or cooperatively.

**Personal and Professional Development**

SDCCE students pursue short term and life-long learning goals, mastering necessary skills and using resource management and self-advocacy skills to cope with changing situations in their lives.

**Diversity, Equity, Inclusion, Anti-racism and Access**

SDCCE students critically and ethically engage with local and global issues using principles of equity, civility, and compassion as they apply their knowledge and skills: exhibiting awareness, appreciation, respect, and advocacy for diverse individuals, groups, and cultures.

**Disclaimer**

While every reasonable effort has been made to ensure that statements in this catalog are accurate, it must be understood that the information contained herein is subject to change or elimination without notice by the administration of the San Diego Community College District. Students should consult the appropriate campus or department for current information, as well as for any special rules or requirements imposed.

Peo**ple there are friendly and very professional. They care about you not only as a student but also as a person. Just remember, most of these programs are free. It costs you almost nothing to change your future.”**

- Abel Gutierrez
Admissions and Enrollment
**Admission**

**Open Enrollment**

It is the policy of the San Diego Community College District that, unless specifically exempted by statute, every course, section or class offered and maintained by the District, where full time equivalent student (FTES) is to be reported for state aid, shall be fully open to enrollment and participation by any person who has been admitted to San Diego College of Continuing Education and who meets course advisories.

**Advisories**

Advisories are departmental recommendations to be completed prior to enrolling in the course. Advisories do not prevent a student from enrolling, but are strongly encouraged by the department for a student’s academic success.

**Enrollment of Minors**

Minors (students who are less than 18 years old) who have submitted a completed waiver form (SDUSD 22-A-1370) may enroll in San Diego College of Continuing Education classes with the permission of the Vice President of Student Services or designee.

**Eligibility**

If you are 18 or older and a resident of California, you may attend classes. If you are under 18 and a high school graduate, married, or in the military, and a resident of California, you may also attend. Contact the campus Student Services office if you have questions about attending. Regulations set by the United States Citizenship and Immigration Services (USCIS) prohibit individuals in the U.S. with an F-1, B-1 or B-2 (visitor) visa, or with a border crossing card from attending San Diego College of Continuing Education classes.

**Class Enrollment**

**Application/Enrollment**

**Steps to Enroll**

- Application
- Orientation

- Assessment
- Counseling

Online application and enrollment is required for all classes. Some in-person classes operate on an open-entry/open-exit format and enrollment is on a first-come, first-served basis. Minimum attendance is necessary for classes to be held. Some classes may require pre-enrollment, and some classes and programs may also require a mandatory orientation and meeting with a counselor. Enrollment directions will be noted in the class schedule. All students are required to complete an online application.

**All new students must complete an online application prior to enrollment. Students who have previously attended, but have not been in continuous attendance for one year must update their application prior to enrollment.**

**Apply Online**

To complete an online application please visit our website at: [http://www.sdcce.edu/](http://www.sdcce.edu/)

**Class Schedule on the Internet**

Up-to-date class schedule information and course descriptions are available online at [https://www.sdccd.edu/students/class-search/search.html](https://www.sdccd.edu/students/class-search/search.html). A search engine allows students to search for classes by subject, semester, campus, or keywords.

**How to Register for Community Education classes**

Online pre-registration is mandatory for all Community Education classes. Visit [https://www.showpass.com/o/san-diego-continuing-education/](https://www.showpass.com/o/san-diego-continuing-education/) for full course descriptions and find the Community Education schedule in the programs area of the website. Payment for class fees must be made via online registration. If a materials fee is required, it is listed with the class registration fees. Requests for special accommodations must be made well before classes begin to ensure timely provision of services.

The refund policy is as follows: A full refund will be made if Community Education cancels a class. If a student has registered for a class and requested to cancel their registration at least three (3) business days prior to the start of the class, the student will receive a full refund for the class fee. The student
is not eligible for any refund beyond the three day period. No shows are not eligible for a refund. A refund may take up to three weeks to process.

**Additional Fees**

Parking permits are required at all campuses.

- Automobile parking permits per semester ................................................. $40.00*
- Motorcycle parking permits per semester .............................................. $17.50
- Reissued Diploma or Certificate ............................................................... $10.00
- Transcript of Record .................................................................................. $5.00
  (after two have been issued free of charge)
- Loss or damage of equipment and books .............................................. Cost
- Associated Student Membership ............................................................... $4.00
  (per academic year)

* Note: Students receiving public assistance, or who are determined eligible for financial aid, may purchase a single car permit for $25.00.

All fees are subject to change and may vary by campus. For parking fee information please visit the Student Services office at your campus for more details.

Students are expected to buy all books and supplies needed for their courses. Certain occupational programs may require additional expenditures for tools, uniforms and/or liability insurance.

**Textbooks and Required Materials**

In all fee courses and most non-fee courses, the student is expected to provide their own textbook and materials. In Adult Basic Education (ABE), English as a Second Language (ESL), and ESL/Citizenship classes, San Diego College of Continuing Education may provide the necessary study materials for in-class use, but students are still encouraged to buy their own workbooks and texts for use at home. In career technical education, students may be eligible to qualify for “loaner” texts and materials under the Career and Technical Education Act (CTEA). For additional information, contact your campus counseling office.

**Audit Policy**

Auditing courses is not permitted under any circumstances. Students must be officially enrolled in all classes which they attend.

**Important Reminder**

Every male citizen of the U.S. and male immigrant residing in the U.S., ages 18 through 25, must register with the Selective Service.
Student Services
CalWORKs

The San Diego College of Continuing Education (SDCCE) CalWORKs program is designed to assist students receiving public assistance to achieve long-term self-sufficiency through coordinated academic and student services offered at all SDCCE campuses. Student support services include assistance with paid work study program, books, transportation, assessment, educational and career planning, and counseling services.

Campus Life

Associated Student Body (ASB)

ASB is an organization to give voice to students: a representative student government that participates in campus decisions. Membership is voluntary through purchase of an ASB card each semester. See the counselor at your campus for further information.

Career Services

Career Services offers services for students currently attending classes and previous semester graduates of San Diego College of Continuing Education. Walk-in sessions and workshops are available for career planning and job search services at selected campuses to prepare you for the workplace.

Counseling and Student Success Program

The Counseling and Student Success Program process is designed to help students succeed in their classes so they can successfully reach their academic goals.

Counselors may assist students with these services especially if a student is planning on taking classes in: elementary and secondary basic skills, high school diploma, high school equivalency, Vocational/Job Training Certificate Programs, and English as a Second Language.

Counselors are here to help students determine and achieve educational and vocational goals. Examples of additional counseling and support services are:

- Assessment for reading and math
- Black Student Support Program (BSSP)
- Credit by Exam – earn college credit for designated classes
- Career and job placement information
- College transition information
- Developing an educational plan
- Immigrant Support Program (ISP)
- Lesbian, Gay, Bisexual, Transgender, Queer and Others (LGBTQ+)
- Obtaining a High School Equivalent Certificate and/or High School Diploma
- Rising 2 Success (R2S)
- Vocational/Job Training Certificate Program information

Contact the Student Services office at the Cesar E. Chavez, Educational Cultural Center, Mid-City, North City, or West City campuses.

Disability Support Programs and Services (DSPS)

San Diego College of Continuing Education provides academic accommodations and services for students with disabilities.
with disabilities in compliance with State and Federal legislation including Section 504 and 508 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act Amendments Act (ADAAA).

Eligible students who have a verified disability qualify for academic accommodations and services through the Disability Support Programs and Services (DSPS) department. Student participation in the DSPS program is voluntary. Academic accommodations and services are designed to support students enrolled in on-campus, online, and clinical setting courses in the achievement of their academic and vocational goals. Educational Assistance Classes for students with disabilities may be available to support academic and vocational programs through DSPS.

Authorized academic accommodations may include, but are not limited to: assistive technology and alternate media, interpreters and captioning for students who are deaf or hard of hearing, note-taking materials, test taking accommodations, audio recorders, use of specialized equipment and adaptive devices, and disability-related counseling and referral. Liaison with community agencies is also an important component of the program. The campuses are physically accessible. Students are encouraged to apply early for timely services.

Anyone interested in applying for services or obtaining further information may contact the Disability Support Programs and Services Counselor at each campus.

For more information, please call any of the following campus locations and ask for the DSPS Counselor. For more information, please email SDCEDSPS@sdccd.edu or call:

Cesar Chavez ................................................... 619-388-1910
CE Mesa ............................................................. 619-388-1950
ECC ...................................................................... 619-388-4812
Mid-City ............................................................ 619-388-4500
North City ......................................................... 619-388-1800
West City ........................................................... 619-388-1873

The Dean of DSPS and Student Affairs is located at the Educational Cultural Complex (ECC), 4343 Ocean View Blvd., San Diego 92113 and may be reached at 619-388-1965.

San Diego College of Continuing Education class schedules are available each semester at all Continuing Education campuses. The schedule for DSPS classes is included, as well as being available on the website at www.sdcce.edu/dspss.

Service Animals

The San Diego Community College District will permit qualified students with disabilities to use service animals in district facilities and on district campuses (Procedure 3105.2) in compliance with state and federal law.

Animals are not permitted on campus with the exception of service animals for persons with disabilities. Refer to Administrative Procedure (AP 3105.2) Service Animals.

Outreach Services

Outreach Services empowers students through increasing awareness of and access to SDCCE’s academic courses and programs leading to a high school diploma, career and/or credit college transition pathways. Contact outreach at SDCCEoutreach@sdccd.edu or (619)388-1285.

PATHWAYS Program

PATHWAYS is a retention model program creating educational communities that provide intensive support services guiding homeless students on their pathway to completion of job training, a new career, and/or transition to the credit college. PATHWAYS focuses on the student’s journey and breaking down barriers to completion by empowering students to drive their success and possibilities for achieving their education and career goals to reach self-sufficiency. Contact the Coordinator at sstanley@sdccd.edu or (619)388-4933.

SDCCEats!

SDCCEats! supports students impacted by food insecurity by operating a choice pantry, The Marketplace, providing fresh food and dry goods. Please contact (619) 388-4933 for more information and current distribution days.
Support Services

College Police

The College Police Department is responsible for providing public safety, law enforcement and crime prevention services. Its mission is to maintain peace and order and a safe learning environment throughout our District. It is also responsible for administering the campus parking program, lost and found and the building security program.

For information and general assistance, call 619-388-3461. For police assistance, call 619-388-6405. Emergency services are provided 24 hours a day 7 days a week. Learn more about College Police at sdccd.edu/about/departments-and-offices/police-department/.

Police Escort and Related Services

The college police are available to provide escort, vehicle battery jumps, and vehicle lockout services during regular hours of operation. Students who wish to use these services should call College Police Dispatch at 619-388-6405 or go any of the College Police Offices at the following locations for assistance:

City College (V-100) ......................... 619-388-3461
Mesa College (Q-100) ........................... 619-388-2749
Miramar College (T-100) ...................... 619-388-7353 or 858-536-7353
College Police Dispatch ..................... 619-388-6405

Parking

1. Student parking permits are available for purchase during online registration or at the campus accounting office. Permits paid for before classes begin are generally mailed and those purchased after classes begin must be picked up. Parking permits are required the first day of each semester; fall, spring, and summer. There is no grace period.

2. Students may not utilize staff/faculty parking areas unless they are the owner of a valid, state-issued disabled placard. Owners of a valid disabled placard are not required to buy a parking permit.

3. There are time limited visitor parking spaces at certain campuses reserved for visitors' use only.

Students, except owners of a valid state issued disabled placards, may not utilize visitor parking. All campuses have pay and display machines for visitor and student use. Visitors and students can also download the MobileNow! mobile app to pay by credit card. Pay and display permits and MobileNow! payments are only valid in student parking spaces.

4. Motorcycles must display a valid motorcycle permit and be parked in designated motorcycle parking only.

5. Bicycles must be parked only in designated bicycle racks. Students are not allowed to ride bicycles, motorized bikes, scooters or skateboards on campus. Violators are subject to citation and/or disciplinary action.

Transportation for Students with Disabilities

Paratransit (curb-to-curb) service is available for a fee to persons with disabilities who cannot use public transportation. ADA certification is required. Please contact DSPS for additional information or forms for certification. Students may also contact MTS (Metropolitan Transit System) at 888-517-9627.

Vehicle Immobilization/Booting/Towing/Hold

Vehicles that accumulate five (5) or more unpaid parking citations are subject to immobilization (booting) of their vehicle and/or impound (towing) at owner's expense. In addition, a hold may be placed on the vehicle registration. If a vehicle accumulates $100 or more in outstanding fines, a hold may be placed on student records/grades.

Emergency Cell Phone Numbers

San Diego College of Continuing Education encourages students to provide cell phone numbers to communicate with them in the event of a college or district-wide emergency. Students can provide this important information at: http://studentweb.sdccd.edu.

Emergency Calls

The college will not interrupt classroom instruction to deliver messages, except in an extreme emergency. All calls/inquiries should be referred to the College Police Dispatch at 619-388-6405.
Veterans Services

Veterans Services at San Diego Continuing Education serves Veteran students with dignity, respect, and honor. Veteran Services is committed to provide effective and timely services in an inclusive, challenging and supportive learning environment that prepares Veteran students for their academic and career pathways. Please contact csaldana@sdccd.edu or call (619) 388-4933 for eligible education benefit use programs and the certification process.

Virtual Welcome Center

SDCCE online welcome center empowers students to connect with the right person, at the time they need help, in a way that works best for them on a virtual platform. Please visit https://sdcce.edu/services/online-student-assistance-and-services to learn more and connect to the welcome center.
Academic Information and Regulations
Grading System

Attendance Policy
Regular attendance is expected in all classes in accordance with the approved class schedule. Any student absent for three consecutive class meetings may, at the discretion of the instructor, be dropped from the class. Those students receiving Veterans Benefits must comply with the attendance requirements specific to these programs. Some instructors may have attendance requirements which are specific to the class or program. These requirements will be found in the class syllabus. Students should direct questions regarding class attendance to the instructor at the time they enroll in the class.

Non-fee classes may be closed when student attendance falls below a required level. Students are urged to be in regular attendance and to assume, through regular attendance, the responsibility for keeping the class in session.

Academic Grades
The following grades are used in reporting the standing of students:

A - Excellent
B - Good
C - Average
D - Barely Passing
F - Failing
I - Incomplete
SP - Satisfactory Progress
UG - Ungraded

Progress and Grade Policy
Progress in each academic course will be measured by letter grades of A (excellent), B, C, D, F (failing/unsatisfactory), and I (incomplete). Progress for certain classes will be measured by grading symbols of SP (Satisfactory Progress) and UG (Ungraded). If a student shows unsatisfactory progress in thirty hours of instruction, the student will be called in for an instructor-student conference to discuss the reasons for lack of progress and ways to improve performance. A grade of “F” in more than half the subjects the student is taking may result in a counseling referral. A grade entry of I = Incomplete shall only be issued to a student with 30 or more attendance hours for an in-person class or to a student who participated past the 2nd census for an online class due to incomplete academic work for unforeseeable, emergency and justifiable reasons at the end of the class. Incomplete grades must be completed within the next two semesters (summer sessions excluded). Please note, an “I” for noncredit does not get replaced on the student’s transcript. The repeated course taken in the appropriate semester will reflect the earned grade.

College Credit for Noncredit Courses – Credit By Exam
Credit by Examination designed and approved by individual disciplines (Administrative Procedure AP-3900.1). The term “examination” means any written, oral or performance standards determined by the individual departments. Students must meet specific criteria to be eligible for credit by examination. You may view a full copy of the policy by accessing the following website: http://www.sdccd.edu/public/district/policies/

Students successfully completing specifically designated vocational classes in San Diego College of Continuing Education may receive college credit for noncredit courses. For additional information, contact your campus counselor.
San Diego College of Continuing Education (SDCCE) to College CTE (Career Technical Education) Transitions
Credit by Exam Active Agreements

San Diego College of Continuing Education to San Diego City, Mesa, and Miramar College

For the most up-to-date listing of active agreements and student requirements, please go online at: https://bit.ly/2S51Bqx

<table>
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<tr>
<th>SDCCE Program Area</th>
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<th>College Course</th>
<th>Units</th>
<th>College</th>
<th>College Program Area</th>
<th>Status</th>
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<tr>
<td><strong>Advanced Manufacturing</strong></td>
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<td>Skilled and Technical Trades</td>
<td>ELRN 451 Electronic Technician I</td>
<td><strong>ELDT 124</strong> Basic DC Electronics AND <strong>ELDT 124L</strong> Basic DC Laboratory</td>
<td>Total of 5</td>
<td>City</td>
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<td>Skilled and Technical Trades</td>
<td>ELRN 452 Electronic Technician II</td>
<td><strong>ELDT 143</strong> Semiconductor Devices AND <strong>ELDT 143L</strong> Semiconductor Devices Laboratory</td>
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<td>Electronics</td>
<td>Active through Summer 2025</td>
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<tr>
<td><strong>Advanced Transportation &amp; Logistics</strong></td>
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<td>Automotive</td>
<td>AUTO 507 Brakes, Suspension &amp; Driveline</td>
<td><strong>AUTO 176G</strong> Automotive Brake Systems</td>
<td>4</td>
<td>Miramar</td>
<td>Automotive Technology</td>
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<td>Automotive</td>
<td>AUTO 507 Brakes, Suspension &amp; Driveline</td>
<td><strong>AUTO 178G</strong> Suspension, Steering &amp; Handling</td>
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<td>Miramar</td>
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<td>Automotive</td>
<td>AUTO 507A Engine/Electrical/Performance</td>
<td><strong>AUTO 186</strong> BAR Specified Diagnostic, Repair, and Level 2 Inspection Training</td>
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<td>Automotive Technology</td>
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<td>Automotive</td>
<td>AUTO 507A Engine/Electrical/Performance</td>
<td><strong>AUTO 161G</strong> Basic Electrical Systems Fundamentals</td>
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<td>AUTO 507B Advanced Driveability &amp; Performance</td>
<td><strong>AUTO 165G</strong> Engine Performance</td>
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San Diego College of Continuing Education (SDCCE) to College CTE (Career Technical Education) Transitions Credit by Exam Active Agreements

San Diego College of Continuing Education to San Diego City, Mesa, and Miramar College

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<td>AUTO 507B Advanced Driveability &amp; Performance</td>
<td>AUTO 156G Engine and Related Systems</td>
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<td>Automotive</td>
<td>AUTO 600 Quick Srvc/Lube Predict Auto 601 Automotive Introductory and Safety</td>
<td>AUTO 153G Introduction to Automotive Technology</td>
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<td>Automotive Technology</td>
<td>Active through Summer 2025</td>
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</table>

Business and Entrepreneurship

| Business Information Worker | OFSY 596 Word Processing-Beginning | CBTE 120 Beginning Microsoft Word | 2     | Miramar | Computer Business Technology | Active through Summer 2025 |
| Business Information Worker | OFSY 599 Word Processing-Advanced | CBTE 122 Intermediate Microsoft Word | 3     | Miramar | Computer Business Technology | Active through Summer 2025 |
| Business Information Worker | COMM 614 Computer Presentations | CBTE 127 Beginning Microsoft Powerpoint | 2     | Miramar | Computer Business Technology | Active through Summer 2025 |
| Business Information Worker | OFSY 575 Spreadsheets-Beginning | CBTE 140 Beginning Microsoft Excel | 2     | City, Mesa, Miramar | Computer Business Technology | Active through Summer 2025 |
| Business Information Worker | OFSY 510 Database Systems-Beginning AND OFSY 511 Database Systems-Intermediate | CBTE 152 Beginning Microsoft Access | 2     | Miramar | Computer Business Technology | Active through Summer 2025 |
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<td>Child Development</td>
<td>HMDV 575A Foundations of Child Care <strong>AND</strong> HMDV 575B Introduction to Child Care Business</td>
<td>CHIL 176 Principles of Infant/Toddler Caregiving</td>
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<td>Child Development</td>
<td>HMDV 581 Toddler Development and Care</td>
<td>CHIL 160 Observing and Understanding Children</td>
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<td>HMDV 591 Early Learner Outdoor Enrichment</td>
<td>CHIL 291B Child Development Center Practicum</td>
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<td>MECT 431 Air conditioning/ Heating I <strong>AND</strong> MECT 432 Air Conditioning/ Heating II</td>
<td>AIRE 100 Basic Refrigeration and Air Conditioning Theory <strong>AND</strong> AIRE 103 Basic Refrigeration and Air conditioning lab</td>
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San Diego College of Continuing Education (SDCCE) to College CTE (Career Technical Education) Transitions
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<td>ARTG 125 Digital Media</td>
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## San Diego College of Continuing Education (SDCCE) to College CTE (Career Technical Education) Transitions Credit by Exam Active Agreements

San Diego College of Continuing Education to San Diego City, Mesa, and Miramar College

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<th>College Program Area</th>
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<td>Front End Web Design</td>
<td>COMM 672 Web Programming with HTML AND CSS</td>
<td>WEBD 152 Beginning Web Dev &amp; WEBD 168 Intermediate HTML</td>
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<td>COMM 651 AND COMM 652</td>
<td>PHOT 180 Photo Editing: Lightroom</td>
<td>3</td>
<td>City</td>
<td>Photography</td>
<td>Active through Summer 2024</td>
</tr>
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</table>

### Retail, Hospitality, and Tourism

| Clothing Textiles | CLTX 620 Sewing Fundamentals I; AND CLTX 625 Sewing Fundamentals II | FASH 130 Apparel Construction I AND FASH 130L Apparel Construction I Laboratory | Total of 4 | Mesa | Fashion | Active through Summer 2025 |
## San Diego College of Continuing Education (SDCCE) to College CTE (Career Technical Education) Transitions Credit by Exam Active Agreements

**San Diego College of Continuing Education to San Diego City, Mesa, and Miramar College**

For the most up-to-date listing of active agreements and student requirements, please go online at: [https://bit.ly/2S51Bqx](https://bit.ly/2S51Bqx)

<table>
<thead>
<tr>
<th>SDCCE Program Area</th>
<th>SDCCE Course Description</th>
<th>College Course</th>
<th>Units</th>
<th>College</th>
<th>College Program Area</th>
<th>Status</th>
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<tr>
<td>Culinary Arts Management</td>
<td>FDNT 682 Culinary Arts &amp; Sciences II</td>
<td><strong>CACM 103</strong> Organization of Food AND <strong>CACM 106</strong> Theory of Food Principles</td>
<td>1 2.5</td>
<td>Mesa</td>
<td>Culinary Arts/ Culinary Management</td>
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<tr>
<td>Culinary Arts Management</td>
<td>FDNT 661 Baking &amp; Pastry Essentials</td>
<td><strong>CACM 160</strong> Fundamental of Baking Theory</td>
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<tr>
<td>Culinary Arts Management</td>
<td>FDNT 662 Baking and Artisanal Bread AND FDNT 663 Advanced Pastries and Cakes AND FDNT 664 Chocolate &amp; Sugar Fundamentals</td>
<td><strong>CACM 212</strong> Baking and Pastry</td>
<td>3</td>
<td>Mesa</td>
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<tr>
<td>Culinary Arts Management</td>
<td>FDNT 501 ServSafe Class (Sanitation) OR FDNT 681 Culinary Arts Sciences I</td>
<td><strong>CACM 102</strong> Sanitation</td>
<td>2</td>
<td>Mesa</td>
<td>Culinary Arts/ Culinary Management</td>
<td>Active through Summer 2024</td>
</tr>
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</table>

Academic Regulations

Review of Student Records

Pursuant to the “Family Rights and Privacy Act of 1974” (Public Law 93-380) and the California Education Code, a student may request an opportunity to inspect all official school records, files and data related to them that are classified as Student Records. The records will be available for review at any mutually convenient time during regular working hours. If information in the file is inaccurate, misleading or inappropriate, a student may request removal of the information or include a statement disputing the material which they challenge pursuant to District Policy 3001.1.

The law further provides that no individual, agency or organization shall have access to student records without their written consent, with the exception of the following:

1. School officials within the District with “legitimate educational interest”, such as the following:
   a. Instructional staff, when such information will assist in determining or improving the academic competence of students under their jurisdiction.
   b. Counseling staff, when such information will assist the student in achieving their personal, academic or vocational goals.
   c. Classified staff who are involved in the creation, analysis, distribution, correction, compilation or processing of student records.
   d. Management or supervisory staff, when such information is directly related to the successful completion of management or supervisory duties, as prescribed by the Board of Trustees.
   e. The Board of Trustees, in appropriate disciplinary cases.
2. Specified federal and state educational officials such as officials in the State System’s Office.
3. State and local officials to the extent that such information is required to be reported pursuant to state law adopted prior to November 19, 1974.
4. Schools or colleges of intended enrollment provided that the student has been notified and given the opportunity to challenge the content.
5. Organizations conducting studies for the District.
7. Agencies in connection with financial aid.
8. Court officials pursuant to a court order or subpoena provided the District Student Services Office makes a reasonable effort to notify the student in advance of such compliance.

If you have any questions regarding the release of student records, you should refer to Policy 3103, Procedure 3103.2 or call the San Diego College of Continuing Education Student Services Office.

Online Class Restrictions

In accordance with federal regulations, San Diego College of Continuing Education may not permit students residing outside of California to enroll in online classes.

Transcripts of Record

A student may obtain an official transcript by filing a request in-person or by mail to the counseling office at any San Diego College of Continuing Education campus. Payment of fees must be made prior to processing a request for transcripts. The following policy has been adopted by the San Diego Community College District Board of Trustees regarding the issuance of transcripts of record:

1. The first two transcripts in a student’s lifetime will be issued without charge.
2. There will be a charge of $5.00 for each additional transcript. College transcripts issued by the District are separately charged and accounted for.
3. All transcript requests are processed within 10 working days.

For further information contact the San Diego College of Continuing Education Student Services Office at https://sdcce.edu/services/transcripts.
Responsibility for Meeting Requirements

Each student must assume responsibility for compliance with the regulations of San Diego College of Continuing Education (SDCCE) set forth in this catalog, for satisfying advisories for any course, and for selecting courses which will facilitate attainment of educational objectives. SDCCE does not assume responsibility for misinterpretation of policies and procedures as presented in this catalog. Counselors and advisors are available to assist in planning students’ programs. Any questions or doubts concerning this catalog material should be referred to the SDCCE Instructional Services Office.

Academic Accommodations and Disability Discrimination for Students with Disabilities

(Board of Trustees Policy – BP 3105)

The San Diego Community College District (SDCCD) is committed to all provisions of Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990 and Section 508 of the Rehabilitation Act of 1973. The fundamental principles of nondiscrimination and accommodation in academic programs provide that:

1. No student with a qualified disability shall, on the basis of the disability, be excluded from participation in, be denied the benefit of, or otherwise be subjected to discrimination under any post-secondary education activity or program; and

2. Reasonable accommodations to academic activities or requirements shall be made as are necessary to ensure that such requirements do not discriminate or have the effect of discrimination on a student with a qualified disability; and

3. The institution shall create an educational environment where students with disabilities have equal access to instruction, including those that take place in a clinical setting, without compromising the essential components of the course, educational program or degree.

SDCCD identifies Disability Support Programs and Services (DSPS), or the campus 504 officer, as the office to determine academic accommodations under Section 504 of the 1973 Rehabilitation Act.

The Site Compliance Officer (SCO) is identified as the campus individual to handle all discrimination grievances under the Americans with Disabilities Act or the District’s Equal Employment Opportunity and Diversity Office, BP 3410.

The intent of this policy is to ensure compliance with state and federal laws. SDCCD Procedure 3105.1 is intended to provide consistent and fair review of all academic adjustments requests and dispute resolution.

You may view a full copy of the Student Services policy and administrative procedure by accessing the following website: http://www.sdccd.edu/public/district/policies/

Students with verified disabilities who may require academic accommodations or auxiliary aids are strongly recommended to contact the Disability Support Programs and Services (DSPS) office, and complete the orientation procedures well before classes begin to ensure timely provision of services. Students are encouraged to identify themselves to the appropriate instructors to discuss the details and timelines necessary to provide appropriate accommodations. Students enrolled in online courses are encouraged to contact the campus DSPS department where the courses are being offered to request academic accommodation. Questions regarding academic accommodations and disability discrimination, including how to file a complaint or a formal grievance with regards to academic accommodations should be directed to the campus 504 Officer, Michele Madrid Novak at 619-388-7832 in Room A-104 at the Continuing Education Miramar Campus.

Students may file a complaint with the Chancellor of the California Community Colleges within thirty calendar days of the event or following the completion of the College Accommodation Grievance process. (https://www.cccco.edu/About-Us/Chancellors-Office/Divisions/General-Counsel/Programs/College-District-Discrimination-Appeals)

Students may file a complaint with the Federal Office of Civil Rights in San Francisco, California, if they believe that the college or one of its representatives is violating their rights. (https://www2.ed.gov/about/offices/list/ocr/docs/howto.html)

For further information, see Disability Support Programs and Services on page 22.
Exclusion from Classes
A student may be excluded from class or the college whenever the student:

1. Exhibits behavior which interferes with the educational process. An instructor may remove a student from two class sessions for disruptive behavior. (Refer to BP 3100: Student Rights, Responsibilities, Campus Safety and Administrative Due Process); or

2. Is found to have a communicable disease which requires isolation pursuant to a directive from the County Department of Public Health.

Confidentiality
Federal and state laws and SDCCD policy require complete confidentiality of student records. On request, a complete statement of district policy regarding student records will be provided.

Free Speech
San Diego College of Continuing Education has designated areas for a variety of free speech activities, e.g., speeches/presentations, rallies, distribution of literature, posting, and voter registration. If you have any questions or need clarification, contact the Dean of the campus.

Nondiscrimination Policy
(Board of Trustees Policy – BP 3410)
San Diego Community College District Board of Trustees Policy BP 3410 prohibits discrimination in accordance with state and federal laws. The San Diego Community College District is committed to equal opportunity in educational programs, employment, and all access to institutional programs and activities.

The District, and each individual who represents the District, shall provide access to its services, classes, and programs without regard to national origin, religion, age, gender, gender identity, gender expression, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, military or Veteran status, or because they are perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics. No qualified student with a disability shall, by reason of such disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the district or be subjected to discrimination because of.

Students wishing to file complaints based upon discrimination should contact the campus Site Compliance Officer (SCO), Marie Doerner at Google Voice: (858) 375-9490. Appeals may be made to the District EEO Compliance Manager at the District Administrative Office, 3375 Camino del Rio South, San Diego, CA 92108.

Students with disabilities who want to file a grievance under Section 504 of the 1973 Federal Rehabilitation Act should contact the campus 504 Officer, Michele Madrid Novak at 619-388-7832 in Room A-104 at the Continuing Education Miramar Campus. Students who want to file a disability discrimination grievance under the Americans with Disabilities Act (ADA) should contact the campus Site Compliance Officer (SCO), Marie Doerner at Google Voice: (858) 375-9490.

Title IX. Prohibiting Gender Discrimination and Sexual Harassment
San Diego College of Continuing Education is committed to support all regulations under Title IX. Title IX states: “No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance.”

– 20 USC 1681

San Diego College of Continuing Education does not discriminate on the basis of sex, gender, or sexual orientation in its education programs or activities. Title IX of the Education Amendments of 1972, and certain other federal and state laws, prohibit discrimination on the basis of gender, gender identity, or sexual orientation in employment, as well as all education programs and activities, and protect all people regardless of their gender or gender identity from sex discrimination, which includes sexual harassment and sexual violence. These procedures are used when a complaint concerns discrimination on the basis of gender, including sexual harassment.

The sexual harassment of students, including the crime of sexual violence, is a form of sex
discrimination and interferes with students’ right to receive an education free from discrimination and harassment.

Sexual violence, as that term is used in this section, refers to physical sexual acts perpetrated against a person’s will or where a person is incapable of giving consent due to the victim’s use of drugs or alcohol.

An individual also may be unable to give consent due to an intellectual or other disability. A number of different acts fall into the category of sexual violence, including rape, sexual assault, sexual battery, and sexual coercion. All such acts of sexual violence are forms of sexual harassment covered under Title IX.

Further information and procedures for filing a formal complaint of discrimination on the basis of sex or sexual harassment are found online at http://www.sdccd.edu/titleix

You may also file a complaint with the District’s Title IX Coordinator:

Christopher May
(619) 388-6805
cmay@sdccd.edu

If you have any questions regarding these policies, please contact the Title IX Coordinator or contact your campus Title IX Deputy.

**Campus Title IX Deputy**

**San Diego College of Continuing Education**
*(Room A-104, Continuing Education Miramar Campus)*

Michele Madrid Novak
mnovak@sdccd.edu
(619) 388-7832

**San Diego City College**
*(M-200)*

Marciano Perez
Dean of Student Affairs
mperez@sdccd.edu
(619) 388-3981

**San Diego Mesa College**
*(I4-408)*

Victoria Miller
Dean of Student Affairs
vmiller@sdccd.edu
(619) 388-2699

**San Diego Miramar College**
*(K1-210)*

Cheryl Barnard, Ph.D.
Dean of Student Affairs
cbarnard@sdccd.edu
(619) 388-7313

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**Drug Abuse and Alcohol Prevention Program (DAAPP)**

The Drug-Free Schools and Communities Act and Drug and Alcohol Abuse Prevention Regulations (Education Department General Administrative Regulations [EDGAR]), specifies that no institution of higher education shall be eligible to receive funds or any other form of financial assistance under any Federal program, including participation in any federally funded or guaranteed student loan program, unless the institution certifies to the Secretary that the institution has adopted and has implemented a program to prevent the use of illicit drugs and the abuse of alcohol by students and employees. In response, the San Diego Community College District (SDCCD) has adopted and implemented program and policies to prevent the unlawful possession, use, or distribution of illicit drugs and alcohol by students and employees.

The San Diego Community College District (San Diego City College, San Diego Mesa College, San Diego Miramar College and San Diego College of Continuing Education) is committed to providing a drug-free environment. The institutions also prohibit the use of tobacco products and electronic delivery devices on campus or at college/district-sponsored events. Any type of drug use, including alcohol, is dangerous and potentially life threatening. Drugs and alcohol adversely affect the body, mind and behavior. The effects vary from person to person and from usage to usage. Even low doses of drugs and alcohol can impair judgment and coordination. If you use drugs or alcohol, you risk overdose, accidents, dependence, ill health, as well as legal, financial and personal problems. The federal laws against drugs are divided into two categories: possession and distribution. The penalties are severe depending upon the type of drug, quantity of the drug, and any prior offenses. Possession will earn up to one year in prison and a $5,000 fine. Distribution will earn up to life in prison and an $8 million fine. State laws vary and may be more severe.

For more information, please visit the Drug Abuse and Alcohol Prevention Program (DAAPP) webpage at http://www.sdccd.edu/daapp

**Smoking Regulation**
*(Board Policy – BP 0505)*

All campuses and facilities of the San Diego Community College District, City College, Mesa
College, Miramar College, and San Diego College of Continuing Education operate in compliance with the provisions of Government Code 7597 and San Diego Municipal Code section 43.1003(a) regulating smoking in a public place or place of employment. In accordance with Board Policy (BP 0505) Smoke and Tobacco Free District Property smoking and the use of any tobacco product are prohibited on all properties owned or controlled by the District.

Additional information is available in the Campus Police Office. For complete SDCCD Policy 0505 and Procedure 0505.2 information, please visit: http://www.sdccd.edu/public/district/policies/.

Crime Awareness and Campus Security

Jeanne Clery Act Crime Statistics

The Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act is the landmark federal law, originally known as the Campus Security Act, which requires colleges and universities across the United States to disclose information about crime on and around their campuses.

The San Diego Community College District Annual Security Report, titled “Safe and Sound, a guide to safety and security in the San Diego Community College District”, includes statistics for the previous three years concerning reported crimes that occurred on campus; in certain off-campus buildings or property owned or controlled by the San Diego Community College District; and on public property within, or immediately adjacent to and accessible from, the campus. The report also includes institutional policies concerning campus security, such as policies on drug use, crime prevention, the reporting of crimes, sexual assault and other matters. You can obtain a copy of this report by contacting any campus admissions office, Vice President of Student Services Office or college police business office. At any time, you may view a full copy by accessing the following website: http://police.sdccd.edu/crimestats.htm.

Pursuant to State and Federal law information concerning registered sex offenders enrolled or employed by the college may be obtained through the College Police Office.

Elder and Dependent Adult Abuse

An elder is defined as a resident of the State of California who is 65 years of age or older; or a dependent adult, defined as a resident of the State of California between the ages of 18 and 64 years, who has a physical or mental limitation that restricts their ability to carry out normal activities or to protect their rights.

Post-secondary educational institutions serving dependent adults are designated as mandated reporters with an individual, personal responsibility to comply with the reporting requirements.

Any mandated reporter, who, in their professional capacity, or within the scope of their employment, has observed or had knowledge of an incident that reasonably appears to be physical abuse, abandonment, isolation, financial abuse, or neglect, or is told by an elder or dependent adult that they have experienced behavior constituting physical abuse, abandonment, isolation, financial abuse, or neglect, or reasonably suspects abuse shall report the known or suspected instance of abuse immediately to Adult Protective Services at 1-800-510-2020.

Community Access to Computers

The use of District computer equipment is limited to District staff and students in a classroom setting.

Copyright Responsibility

Any duplication request of copyrighted materials for use in San Diego College of Continuing Education’s (SDCCE) instructional programs must be accompanied by written permission from the copyright owner. Any duplication of copyrighted materials by student, staff, or faculty is to be for the sole purpose of private scholarly study. Since the liability for infringement of statutory or common-law copyright occurs during misuse of duplicated materials, the duplicated copies cannot be sold or distributed. A designated portion of the duplicated copy cannot be included in another’s work without the written permission of the copyright owner. All copyright responsibility is assumed by the individual requesting the duplication. SDCCE, its agents, representatives, and employees are held harmless against all claims, suits, damage costs, and expenses of charges of statutory or common-law infringement resulting from the SDCCE’s efforts to
provide services, materials, and equipment to the requestor.

**Student Rights, Responsibilities, Campus Safety and Administrative Due Process**

*(Board of Trustees Policy – BP 3100)*

This policy enumerates the rights and responsibilities of all San Diego Community College District students. All students are subject to adhering to the policies and procedures of the San Diego Community College District, as well as all federal, state, and local laws. Students are subject to charges of misconduct concerning acts committed on District-owned or controlled property or the District-sponsored activities as specified in the policy.

You may view a full copy of the policy by accessing the following website: [http://www.sdccd.edu/public/district/policies/](http://www.sdccd.edu/public/district/policies/).

**Student Grievance Procedure**

The purpose of this procedure is to provide a prompt and equitable means for resolving student grievances. The procedures enumerated in Student Grievance Procedures 3100.1 shall be available to any student who believes a district decision or action has adversely affected their rights as a student as specified in Student Rights and Responsibilities, Campus Safety and Administrative Due Process, BP 3100, Section a through j. Note that grades are not grievable under this policy.

**Minor Children on Campus**

Minor children who are not enrolled are not permitted in any classroom at any time. Minor children who are not enrolled are not to be left unattended at any time while on the campus.

**Volunteer/Visitor Conduct Expectations**

In accordance with Procedure 3100.4, all visitors and volunteers are expected to adhere to the policies and procedures of the San Diego Community College District, as well as all federal, state and local laws. Any violation may be subject to permanent removal from campus. Violations of state, federal, or local laws or ordinances, while on district premises, will be addressed by college police in accordance with the California Penal Code. Any violation may be subject to removal from campus, classrooms, services areas, and activities of the campus for any of the following acts (but not limited to):

- Act or threat of damage to or theft of property belonging to or located on District-controlled property or facilities.
- The physical or verbal intimidation or harassment of such severity or perservasiveness as to have the purpose or effect of unreasonably interfering with a student’s academic performance, or a District employee’s work performance, or of creating an intimidating, hostile, or offensive educational or work environment.
- Physical or verbal disruption that is incompatible with instructional or student services activities, administrative procedures, public service functions, authorized curricular or co-curricular activities; or prevention of authorized guests from carrying out the purpose for which they are on campus, when such a disruption occurs inside of any classroom or facility or in such proximity as to appear reasonably likely to interfere with activities inside of the classroom or facility; or the substantial and material disruption of any other regular campus activity which occurs in any other portion of District-controlled property.
- Disorderly, lewd, indecent or obscene conduct or expression or habitual profanity or vulgarity; any expression which is obscene, libelous or slanderous according to current legal standards or which so incites students as to create a clear and present danger of the commission of unlawful acts; or the substantial disruption of the orderly operation of the community college. (Ed. Code 76120)
- Assault or battery upon a student or district personnel on district premises or at any time or place while under the authority of District personnel.
- Possession of weapons, explosives, unlicensed dangerous chemicals or objects which may be used as weapons or to threaten bodily harm, as specified in the California Penal Code or other applicable laws.

Failure to comply with the reasonable directions of staff members of the district who are acting within the scope of their employment. Continued and willful disobedience or open and persistent defiance of the authority of district personnel,
Field Trips
Field trips, excursions, and classes convened off campus are defined as those activities which replace regularly scheduled on-campus class sessions. Students are expected to attend since the activity is a part of regularly scheduled class time.

1. The activity must have a direct relationship to the instructional program and demonstrate a benefit greater than could be achieved in classroom activity.

2. The learning experience must not be conveniently available to students outside class time.

3. Adequate preparation or orientation shall be provided in advance.

4. The activity shall be scheduled insofar as possible to avoid requiring that students be absent from other classes.

5. The requirement for the activity shall be specified in the catalog course description.

6. Overnight trips or trips outside California shall be individually approved in advance by the Board. The Chancellor may approve travel within California.

7. District vehicles, including contract carriers, may be used to provide transportation, and expenses for transportation/use of District vehicles may be paid from District funds which have been budgeted for this purpose.

8. No expenses other than transportation of students may be paid from District funds; e.g., entry fees, food, lodging, etc.

9. These activities shall not be authorized if any student cannot participate because of lack of funds. Community service groups should be solicited to provide funds for students in need of them.

10. The necessary expenses of staff/chaperones may be paid from budgeted funds (see Policy 8960).

To implement the rules set forth in Policy 3120, the Continuing Education adopted Field Trip Guidelines on January 22, 2004. The Field Trip Guidelines are available at each campus office.

Research Involving District Students
In order to balance the goals of educational research, a student's right to privacy and a relatively uninterrupted course of study, the Board of Trustees has adopted Policy 0400—Research Involving District Students. For more information, contact the San Diego College of Continuing Education Student Services Office.

Student Records, Release, Correction and Challenge
(Administrative Procedure – AP 3001.1)
The San Diego Community College District strictly adheres to the Family Education Rights and Privacy (FERPA). This procedure specifies limitations on Federal and State law, and ensures that appropriate record maintenance and destruction systems are in place.

Pursuant to the "Family Rights and Privacy Act of 1974" (Public Law 93-380) and the California Education Code, a student may request to inspect all their official school records, files, and related data that are classified as Student Records. The records will be available for review at a mutually convenient time during regular working hours. Students may file a written request with the Vice President, Student Services to correct or remove information recorded on their student record that the student alleges to be: inaccurate; an uninstantiated personal conclusion or inference; a conclusion or inference outside of the observer's area of competence; or not based on the personal observation of a named person with the time and place of the observation noted.

The law provides that no individual, agency or organization shall have access to a student's records without the written consent of the student, except under very specific conditions:
You may view a full copy of the policy by accessing the following website: http://www.sdccd.edu/public/district/policies/.

**Complaint Processes**

San Diego College of Continuing Education is committed to an educational environment that is free from interference and disruption and that fosters equity and mutual respect.

Students may file a complaint when they believe that a campus faculty or staff member has violated the following Board Policies and Administrative Procedures:

1. Student Rights, Responsibilities, Campus Safety and Administrative Due Process: Policy 3100
2. Student Grievance: Procedure 3100.1
3. Student Discipline: Procedure 3100.2
4. Honest Academic Conduct: Procedure 3100.3
5. Academic Accommodations and Disability Discrimination for Students with Disabilities: Procedure 3105.1
6. Prohibition of Harassment: Policy 3430
7. Nondiscrimination: Policy 3410
8. Fraud/Whistle Blower: Policy 6125
9. Grade Challenge: Procedure 3001.2

Board Policies and Administrative Procedures are available to Individuals online at http://www.sdccd.edu/public/district/policies/.

Most complaints, grievances or disciplinary matters should be resolved at the campus level. Individuals are strongly encouraged to make every attempt to resolve matters through the appropriate administrative processes.

More information on the complaint processes can be found online at https://www.sdccd.edu/students/complaint-process/index.aspx.

**Academic Complaint**

An academic complaint may be filed with the program chair or program dean when a student feels that a faculty member has violated state law, federal law, or San Diego Community College District policies and procedures relative to grading or other academic matters*. Students may directly contact the program chair or program dean or may complete a Student Complaint Form at: https://www.sdccd.edu/students/complaint-process/.

*Please note: All grades awarded by the instructor of record shall be final. The California Code of Regulations, Title 5 §55025, states “the determination of the student’s grade by the instructor shall be final in the absence of mistake, fraud, bad faith, or incompetency.”

**Academic Accommodation Due to Disability Complaint (Section 504/ADA)**

Students who have a complaint regarding access to, or quality of, their academic accommodations may contact the DSPS counselor. Students may submit a complaint online at https://www.sdccd.edu/students/complaint-process/ or contact the campus 504 Officer.

Students with disabilities who want to file a formal complaint under Section 504 of the 1973 Federal Rehabilitation Act and Americans with Disabilities Act (ADA) may do so online at https://www.sdccd.edu/students/complaint-process/ or contact the campus 504 Officer:

<table>
<thead>
<tr>
<th>Campus 504 Officer</th>
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<tbody>
<tr>
<td>San Diego City College (Room A-366L)</td>
</tr>
<tr>
<td>Edwin Hiel</td>
</tr>
<tr>
<td><a href="mailto:ehiel@sdccd.edu">ehiel@sdccd.edu</a></td>
</tr>
<tr>
<td>(619) 388-3036</td>
</tr>
<tr>
<td>San Diego Mesa College (LRC – Room 464)</td>
</tr>
<tr>
<td>Claudia Perkins</td>
</tr>
<tr>
<td><a href="mailto:cperkins@sdccd.edu">cperkins@sdccd.edu</a></td>
</tr>
<tr>
<td>(619) 388-2699</td>
</tr>
<tr>
<td>Mailbox, Room G-248</td>
</tr>
<tr>
<td>San Diego Miramar College (Room N-203)</td>
</tr>
<tr>
<td>Adrian Gonzales</td>
</tr>
<tr>
<td><a href="mailto:agonzales@sdccd.edu">agonzales@sdccd.edu</a></td>
</tr>
<tr>
<td>(619) 388-7810</td>
</tr>
<tr>
<td>San Diego College of Continuing Education (Room A-104, Continuing Education Miramar Campus)</td>
</tr>
<tr>
<td>Michele Madrid Novak</td>
</tr>
<tr>
<td><a href="mailto:mnovak@sdccd.edu">mnovak@sdccd.edu</a></td>
</tr>
<tr>
<td>(619) 388-7832</td>
</tr>
</tbody>
</table>
General Complaint
A general student complaint may be filed by a student who feels an action of a San Diego College of Continuing Education (SDCCE) staff member, office, or group violates existing SDCCE rules, policy, or procedures or other local, state, and federal laws. A complaint of gender discrimination or sexual assault or harassment is not included in this category; please see Title IX complaint below.

The complaint procedures are formalized procedures to ensure timely resolution at the lowest possible level. The first step is the informal resolution stage, which involves the student who has a complaint and the faculty/staff member or specific group with whom the student has a complaint. The student must notify the faculty/staff person or representative of a group that they wish to make an appointment for an informal meeting to review an action. In the absence of the instructor or staff person and after a good faith effort to make contact, the student may directly contact the program dean or appropriate administrator or submit their complaint online at: https://www.sdccd.edu/students/complaint-process/index.aspx.

Unlawful Harassment or Discrimination Complaint not Based on Sex or Gender
San Diego College of Continuing Education (SDCCE) is committed to providing an academic environment free of unlawful harassment and unlawful discrimination. Board Policy 3100 defines verbal, physical, visual, written, and/or environmental harassment and other forms of harassment on campus, and sets forth a procedure for the investigation and resolution of complaints of harassment by or against any staff, or faculty member, or student within the District.

You may view a full copy of the policy by accessing the following website: http://www.sdccd.edu/public/district/policies/.

These procedures are used when a complaint concerns matters of discrimination or failure to comply with SDCCE policy or procedures or federal and/or state regulations including the Civil Rights Act; Executive Orders 11246 and 11375; the Vietnam Era Veterans Readjustment Act of 1974; the Age Discrimination and Employment Act of 1967; Section 504 of the 1973 Federal Rehabilitation Act and Americans with Disabilities Act (ADA); and the nondiscrimination laws of the State of California.

Students who wish to file a complaint may do so online at: https://www.sdccd.edu/students/complaint-process/ or contact your college Site Compliance Officer (SCO):

<table>
<thead>
<tr>
<th>Campus Site Compliance Officer</th>
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<tbody>
<tr>
<td>San Diego City College (Room A-110E)</td>
<td></td>
</tr>
<tr>
<td>Edwin Hiel</td>
<td></td>
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<tr>
<td><a href="mailto:ehiel@sdccd.edu">ehiel@sdccd.edu</a></td>
<td></td>
</tr>
<tr>
<td>(619) 388-3036</td>
<td></td>
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<tr>
<td>San Diego Mesa College (LRC – Room 464)</td>
<td></td>
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<tr>
<td>Claudia Perkins</td>
<td></td>
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<tr>
<td><a href="mailto:cperkins@sdccd.edu">cperkins@sdccd.edu</a></td>
<td></td>
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<tr>
<td>(619) 388-2440</td>
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<tr>
<td>San Diego Miramar College (Room A-201D)</td>
<td></td>
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<tr>
<td>Francois Bereaud</td>
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<tr>
<td><a href="mailto:fbereaud@sdccd.edu">fbereaud@sdccd.edu</a></td>
<td></td>
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<tr>
<td>(619) 388-7503</td>
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<tr>
<td>San Diego College of Continuing Education (Rm 104-HDQ, Educational Cultural Complex)</td>
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</tr>
<tr>
<td>Marie Doerner</td>
<td></td>
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<tr>
<td><a href="mailto:mdoerner@sdccd.edu">mdoerner@sdccd.edu</a></td>
<td></td>
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<tr>
<td>(619) 388-4935</td>
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</table>

Students wishing to pursue a civil rights complaint beyond the college/district level should direct their inquiries to the Office of Civil Rights, United States Department of Education, 50 Beale Street, Suite 7200, San Francisco, CA 94105-1813.

Other Complaint Process
If your complaint is associated with the institution's compliance with academic program quality and accrediting standards, you may contact the Accrediting Commission for Schools, Western Association of Schools and Colleges (ACS WASC) at https://www.acswasc.org/acs-wasc-complaint-process/ ACS WASC accredits K-12 schools and not-for-profit, non-degree granting post-secondary institutions.

If your complaint does not concern the institution's compliance with academic program quality and accrediting standards, you may contact the California Community College Chancellor's Office by completing the web form found at: https://www.cccco.edu/Complaint-Process-Notice
Academic Requirements
Joint High School Diploma Program

OPTION 1

To receive a joint high school diploma from the San Diego College of Continuing Education program in cooperation with the San Diego Unified School District Adult Education under Option 1, students must earn a total of 40 semester credits. Credit for appropriate senior high school (Grades 9–12) courses taken in Grades 7 or 8 may be applied to a high school diploma. Credit may be given for previous education. No high school credit is given for religion classes.

Credits

8  English, including one (1) American Literature
2  Fine Arts or Foreign Language
1  Practical Arts
6  Mathematics, including Algebra 1 & 2, Geometry 1 & 2, and Intermediate Algebra 1-2 or Unifying Algebra and Geometry 1-2
6  Science, including Biology 1 & 2 plus 2 (4 credits) of the following courses: Earth Science 1, 2; Physics 1,2; Chemistry 1, 2 or equivalent
6  Social Studies, including World History and Geography 1 & 2, U.S. History 1 & 2, U.S. Government, and Economics
11 Electives

Additional requirements:

• A minimum Grade Point Average of 2.00

OPTION 2

To receive a joint high school diploma from the San Diego College of Continuing Education program in cooperation with the San Diego Unified School District Adult Education under Option 2, students must earn a minimum of 22 credits or the equivalent. Students must demonstrate competency and earn credits through a combination of standardized testing, high school classes, and college class. Credit may be given for previous education.

Credits

1  American Literature
5  English
4  Mathematics, including Algebra 1 & 2 or equivalent
4  Science, including Biology 1 & 2 and 2 Physical Science or equivalent
2  Visual Arts, Performing Arts, Foreign Language, or Career Technical Education (CTE) (or a combination)

Additional requirements:

• A minimum Grade Point Average of 2.00
• 2 units of college credit or equivalent

Attendance Policy

Regular attendance will be expected in all classes in accordance with the approved class schedule. The school (instructor or staff) must be notified of the reason for any absence. If the school is not notified after three (3) consecutive absences, students may be automatically dropped from classes. To re-enter class, a conference with the counselor may be required. It is important to be in every class on time, to keep up with class work.

Progress and Grade Policy

Progress in each academic course will be measured by letter grades A, B, C, D, and F (unsatisfactory). Unsatisfactory progress for 30 hours of instruction in any class will result in an instructor-counselor conference to discuss the reason(s) for lack of progress and ways to improve performance. An “F” grade in more than half the subjects taken will result in a counseling review of educational goals. For purposes here, a grade of incomplete in a course will be considered satisfactory.

"Adult basic education made me realize how much I can do with my life and it showed me how I can accomplish my dreams. Because of the good preparation I received, I’m going to college to become a Childcare Eligibility Specialist, and pursue a degree to become a Humanitarian Aid Worker.”

-Mowlid Mohammed
Certificate Programs
Automotive

Certificate Programs
- Air Conditioning/Heating Program
- Auto Body and Paint Technician Program
- Automotive Technician Program
- Brake/Suspension and Light Service Technician Program
- Combined Upholstery Trades Program
- Quick Service Technician Program
- Service Advisor Program

Certificate of Completion: Air Conditioning/Heating

The Air Conditioning and Heating Program is designed to provide instruction and practical application of occupational knowledge and skills in the Heating and Air Conditioning (HVAC) industry and to provide students with a working knowledge of the tools and equipment associated with the modern HVAC industry. The open-entry/open-exit program requires completion of MECT 431 and MECT 432. The courses include instruction in diagnostic techniques, the use of testing equipment and the principles of mechanics, electricity, and electronics as they relate to the repair of heating, air conditioning and refrigeration systems. Integrated throughout the courses are career preparation standards, which include communication, interpersonal skills, problem solving, safety, technology, and other employment skills. Students who successfully complete the program will be qualified for entry-level positions in the heating, air conditioning and refrigeration maintenance trades. Jobs in the field include air conditioning installer and repair helper, refrigeration installer and furnace installer.

Orientation and Enrollment
Contact the counseling office at Mid-City Campus, 619-388-4500. To learn more and sign up for an orientation https://sdcce.edu/job-training/automotive

Required Courses
- MECT 431 Air Conditioning/Heating I
- MECT 432 Air Conditioning/Heating II

Certificate of Completion: Auto Body and Paint Technician

The Auto Body and Paint Technician Program is designed to teach skills required for entry-level employment in the auto body repair, refinishing, and related industries. The two open-entry/open-exit courses include guided practice in a simulated work environment in sanding, masking, detailing, spot painting, complete body painting, body repair, and glass installation. Course competencies are based on standards development by the National Automotive Technicians Education Foundation (NATEF) and the Inter-Industry conference on Auto Collision Repair (I-CAR).

Students learn a variety of skills
Industry safety practices and procedures; trade-related mathematics; how to apply information from service manuals; the use of automotive hand and power tools; how to remove, install, align and repair auto body panels, parts and glass; how to prepare vehicles for paint refinishing; how to use high transfer paint spray equipment; how to apply general detail procedures; and professionalism, ethics, communication and computer skills.

Students may elect to take one or more of the individual modules and receive a Certificate of Course Completion.

Orientation and Enrollment
For additional information contact the counseling office at ECC, 619-388-4956. To learn more and sign up for an orientation https://sdcce.edu/job-training/automotive

Required Courses
- AUTO 411 Auto Body and Paint Technician
- AUTO 411A Auto Body Refinishing Technician
Certificate of Completion: Automotive Technician

The goals of the Automotive Technician program are to provide training in skills necessary for entry-level employment as an Automotive Technician. The program requires completion of AUTO 507, AUTO 507A, and AUTO 507B. These courses include instruction in safety procedures and the proper use of hand tools and equipment; repair of engine, drivetrain, brake, suspension, steering, electrical/electronic, emission control, cooling, and fuel systems; and the diagnosis and repair of engine performance problems. The National Automotive Technician Education Foundation (NATEF) competency standards are used. This is an articulated program with the San Diego Miramar College automotive program. College credit may be awarded. Students learn a variety of skills including:

- Safety procedures and proper use of related tools and equipment.
- Complete auto and furniture upholstery and re-upholstery techniques.

Required Courses

AUTO 507 Automotive Technician
AUTO 507A Engine/Electrical/Performance
AUTO 507B Advanced Driveability & Performance

Certificate of Completion: Brake/Suspension and Light Service Technician

The goals of the Brake/Suspension and Light Service Technician Program are to provide training in skills necessary for entry-level employment as a Brake/Suspension and/or Light Service technician. The open-entry/open-exit program requires completion of AUTO 507 and AUTO 507A. These courses include instruction in safety procedures and the proper use of tools and equipment; minor engine and driveline repair; in depth diagnosis and repair of brake, suspension and steering systems and skills required to perform scheduled maintenance services for cooling, engine, fuel, emission and performance related system. The National Automotive Education Foundation (NATEF) standards are used. These courses articulate with the San Diego Miramar College automotive program. College credit may be awarded.

Required Courses

AUTO 507 Automotive Technician
AUTO 507A Engine/Electrical/Performance

Certificate of Completion: Combined Upholstery Trades

The auto upholstery and furniture upholstery program at ECC is a training program that gives students the option to specialize in the fields of auto and furniture upholstery. The program is designed to be self-paced, and can be completed over a 9 to 12 month period. Instruction is competency based.

Students learn a variety of SKILLS including:

- Skills required for entry-level employment in the automotive, furniture upholstery and related trades.
- Safety procedures and proper use of related tools and equipment.
- Complete auto and furniture upholstery and re-upholstery techniques.

Instruction takes place in a practical workplace environment. Competency standards are reviewed and approved by the industry advisory board.

Students have the option as well, of taking one or more of the individual modules and receive a certificate of course completion.

Orientation and Enrollment

For additional information, please contact the counseling office at ECC, 619-388-4956. To learn more and sign up for an orientation visit https://sdcce.edu/job-training/automotive

Required Courses

AUTO 414 Basic Upholstery Skills
AUTO 415 Automotive Upholstery
HMID 535 Upholstery
Certificate of Completion: Quick Service Technician

This certificate of completion is designed to provide the student with an understanding of the basic automotive components, tools and safety procedures commonly used in the industry. In addition, the student will receive instruction in automotive quick servicing inclusive of new and used vehicle inspections, preparing estimates, changing fluids and filters, proper hazardous waste disposal, minor electrical repairs, and road testing techniques. Students will also learn how to inspect and evaluate vehicle systems to determine if advanced levels of repairs are needed.

Required Courses
AUTO 600 Quick Service Lube, Pre-delivery Inspection Technician
AUTO 601 Automotive Fundamentals

Certificate of Completion: Service Advisor

The Service Advisor Program provides students with the knowledge and skills for employment as a service advisor for both small and large independent garages and dealerships. The program provides the student with a basic understanding of vehicle systems, functions, service requirements and parts including original equipment manufacturing and aftermarket parts identification. Students will learn about facilities, safety measures, ethical behavior and agencies that protect the environment and the work site. Topics include the overall role of the service advisor, the team approach, communications, ethics, customer service, building customer relations and employment opportunities in the automotive industry. Training will include how to write a repair order, estimating parts and labor costs, warranties, vehicle and customer records, internal communications and customer follow-up. Students who successfully complete the program can use the skills learned in a variety of jobs in the automotive industry including assistant service manager, cost estimator, automotive parts sales, service and sales representative and service station technician. This program serves as foundation for additional training in automotive technology certificate programs and an associate degree in Automotive Technology at a community college.

Business & Accounting

Certificate Programs
Account Clerk Program
Administrative Assistant
Advanced Project Management
Business Information Worker:
Communication Skills
Business Information Worker: Entry-Level Skills
Business Information Worker: Technical Skills
Business Sales
Data Entry Specialist Program
Front Desk/Office Assistant Program
Office Assistant I Program
Office Assistant II Program
Project Management
Small Business Growth Program
Small Business Planning Program

Certificate of Completion: Account Clerk

The Account Clerk Certificate Program is designed to provide students with the basic skills necessary to achieve success in the accounting field. Students follow a prescribed course of study, which includes successful completion of Step One core curriculum prior to entry into the Account Clerk Certificate Program.

Students learn a variety of skills
Type at a minimum of 35 nwpm; use the accounting equation; post to journals and ledgers; understand adjusting and closing entries; develop worksheets and financial statements; understand payroll accounting; taxes, and reports; work with sole proprietorships, partnerships, and corporations; use automated accounting software; and complete reports using spreadsheet software.

Orientation and Enrollments Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/business
Certificate of Completion: 
Administrative Assistant

The Administrative Assistant Program is designed to provide students with the working knowledge of office systems and procedures, plus advanced level computer skills required for employment in an office or business environment. Topics include: creating and distributing complex documents, developing analytical and statistical reports, creating and delivering computer presentations, the use of database command language and program file creation, database systems, spreadsheets, and using the Internet as a resource tool. Students who successfully complete the program can use the skills learned in a variety of industries and jobs including office, administrative and computer support personnel. This program also serves as a foundation for additional training in office systems and computers.

Students learn a variety of skills
Type at a rate of 45 nwpm; create and distribute complex documents; develop analytical and statistical reports; create presentations; and use the Internet for a resource.

Orientation and Enrollment
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/business

Required Courses
ACCT 502 Computerized Accounting
ACCT 511 Accounting: Beginning
ACCT 512 Accounting: Intermediate
OFSY 500 Basic Business Math 1
OFSY 501 Basic Business Math 2
OFSY 577 Spreadsheets: Advanced

Certificate of Completion: 
Advanced Project Management

The Advanced Project Management Program, presented through three courses, provides students with an opportunity to learn the concepts, skills, and tools necessary to plan, implement and manage projects in any business environment. The subject of both the project and the management of the project are addressed by the program in both an introductory and intermediate perspective. The program courses include instruction in the fundamentals of project management, including planning, defining a project, resources, roles and responsibilities, necessary skills, tools and processes. The topics are interconnected via the Project Life Cycle framework and the development and presentation of capstone projects by student teams.

Instruction occurs in both the hard skillset, e.g., planning and costing, and the interpersonal skillset, e.g., problem solving and managing stakeholder involvement, found to be necessary tools for an effective project manager. Attention is given to the dynamic and changing environment in which projects are managed, e.g., Agile project management methodology in a rapidly changing requirements setting, and management of projects in a virtual setting.

Students who successfully complete the program can apply the skills learned to many diverse vocational occupations. This program can also be used as a foundation for additional educational training in any business area.

Orientation and Enrollment
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/business

Required Courses
COMM 614 Computer Presentations
OFSY 510 Database Systems: Beginning
OFSY 511 Database Systems: Intermediate
OFSY 516 Internet Basics
OFSY 577 Spreadsheets: Advanced
OFSY 599 Word Processing: Advanced

BUSN 621 Project Management I
BUSN 622 Project Management II
BUSN 623 Project Management III
Certificate of Completion: Business Information Worker: Entry-Level Skills

The Business Information Worker Entry-Level Skills program is designed to provide students with the knowledge and entry-level skills needed to use computers and software, keyboarding and proofreading skills, to create letters and memos, and basic email and calendar management skills. The program courses enhance students’ skills in reading and writing related to business communications, and provide instruction in basic computer operation, word processing, keyboarding, electronic correspondence practices, and managing electronic calendars. Topics include computer hardware and peripheral devices, basic principles of keyboarding, word processing concepts, editing techniques, composing and sending email messages, and security measures including licensing, copyright laws, and virus and malware protection. Students who successfully complete the program can use the skills learned in a variety of jobs including entry-level office support receptionist, and word processor. This program also serves as a foundation for additional training in intermediate-level office and administrative support positions.

Orientation and Enrollment
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/business

Required Courses
- OFSY 528 Electronic Info Management
- OFSY 541 Keyboarding-Multilevel
- OFSY 596 Word Processing: Beginning

Certificate of Completion: Business Information Worker: Communication Skills

The Business Information Worker Communication Skills program is designed to provide students with the knowledge and skills needed to be successful in a workplace environment, including communication, problem-solving and customer service skills. The program provides students with business writing principles and techniques, job advancement skills, and an overview of employee responsibilities and employer expectations. Topics include business vocabulary, dictionary usage, overview of office environments, roles and responsibilities, workplace ethics, critical thinking skills, teamwork, records management, application processes and interview skills. Students who successfully complete the program can use the skills learned in a variety of jobs including customer service representative, receptionist, and office support worker. This program also serves as a foundation for additional training in a more advanced level of office and administrative support positions.

Orientation and Enrollment
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/business

Required Courses
- OFSY 505 Business Communications 1
- OFSY 506 Business Communications 2
- OFSY 507 Workplace Professional

Certificate of Completion: Business Information Worker: Technical Skills

The Business Information Worker Technical Skills program is designed to provide students with the knowledge and skills needed to use computer hardware and peripherals, operating systems, software applications and computer security for Internet and networks in the workplace. Students will learn how to utilize the Internet for communication and collaboration, work with computer programs and software, evaluate computer systems, research and analyze data to create spreadsheets and charts, maintain files, and identify computer security issues. Topics include using the Internet and web resources, Windows software, file and records management, formatting and editing spreadsheets, database storage, protecting data and installing and using different types of software. Students who successfully complete the program can use the skills learned in a variety of jobs including computer user support, and administrative and office support worker. This program also serves as a foundation for additional
training in more advanced administrative assistant positions.

**Orientation and Enrollment**

Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit [https://sdcce.edu/job-training/business](https://sdcce.edu/job-training/business)

**Required Courses**

- COMP 628  Business Information Systems
- OFSY 527  Microsoft Windows
- OFSY 575  Spreadsheets: Beginning

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**Certificate of Completion: Business Sales**

The Business Sales program provides students with the practical knowledge and skills for success in small business sales and sales occupations. The program guides students through the preparation, use, and applications of customer relationship management (CRM) systems. The program also includes instruction in sales communication skills, organizational skills, confidence building, and professional resiliency. Topics include establishing a CRM, using the CRM effectively, CRM team management, and data management and analysis, essential listening, communication professionalism, problem solving, the use of CRM in communications, bidding, reputation management, communication flow, workplace social skills, and customer interaction. Students who successfully complete the program can use the knowledge, skills, and tools learned to obtain a job in a sales profession, manage the sales for a small business, or effectively sell their own products or services as an entrepreneur.

**Required Courses**

- BUSN 640  Customer Relationship Management
- BUSN 641  Business Sales Training

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**Certificate of Completion: Data Entry Specialist**

The goal of the Data Entry Specialist Certificate program is designed to prepare students with the skills necessary to enter the job market. At the completion of the program the student will develop a portfolio ready for professional presentation.

**Students learn a variety of skills**

Enter data from source documents into a computer using various data applications; compile, sort, and verify the accuracy of data to be entered; verify data entered with source documents; update entered data; re-enter data in verification format to assure integrity and accuracy of data; keep records of completed work; select materials needed to complete work assignments; and generally work as a member of a data processing team.

**Orientation and Enrollment**

Students are required to attend a program orientation in order to sign up for the program. At the orientation students will learn about the Data Entry Specialist Certificate Program curriculum, what the time commitment will be, and the resources available to help students achieve their goals. Orientation and registration are offered once a week. To register for the orientation and reserve a space call the counseling office at the Continuing Education campus where you plan to enroll.

To learn more and sign up for orientation, visit [https://sdcce.edu/job-training/business](https://sdcce.edu/job-training/business)

**Required Courses**

- OFSY 510  Database Systems: Beginning
- OFSY 525  Disk Operating Systems
- OFSY 535  Data Entry
- OFSY 541  Keyboarding-Multilevel
- OFSY 555  Microcomputer Basics
- OFSY 575  Spreadsheets: Beginning
- OFSY 596  Word Processing: Beginning
Certificate of Completion: Front Desk/Office Assistant

In the Front Desk/Office Assistant Program, students learn the fundamental skills required to use common office computer applications and prepare for entry-level general office employment. Examples of jobs that students would be prepared for include Reservationist, General Office Clerk, Receptionist, Guest Services Representative, Front Desk Agent, Word Processor, Sales Office Administrative Assistant, Office Assistant, Administrative Assistant/Support, and Data Entry Clerk. Skills taught include computer literacy, English and math required in an office setting, office procedures, and an introduction to software applications such as word processing and spreadsheets. This program also articulates courses to associate degree programs.

Students learn a variety of skills

Type at a minimum of 25 nwpm; compose letters, memos, and forms; edit existing documents; create reports; develop databases; create a presentation; maintain records; and use mathematical formulas.

Required Courses
OFSY 500 Basic Business Mathematics 1
OFSY 505 Business Communications 1
OFSY 506 Business Communications 2
OFSY 527 Microsoft Windows
OFSY 541 Keyboarding Multilevel
OFSY 555 Microcomputer Basics
OFSY 560 Office Skills Laboratory
OFSY 575 Spreadsheets: Beginning
OFSY 580 Survey of Business Software
OFSY 596 Word Processing: Beginning

Certificate of Completion: Office Assistant I

The Office Assistant I Program is designed to provide students with the knowledge and skills needed to perform various office duties. The program provides students with keyboarding skills, the ability to compose and edit business correspondence, organize meetings and manage paper/digital records. The program courses provide instruction in setting up and operating a desktop computer system, installing/removing software, trouble shooting Microsoft Windows problems and creating a database. Students who successfully complete the program can use the skills learned in a variety of industries as customer service representatives, order processors, receptionists, information clerks and general office support. This program serves as a foundation for additional training in more advanced office systems.

Required Courses
OFSY 541 Keyboarding Multilevel
OFSY 555 Microcomputer Basics
OFSY 596 Word Processing: Beginning
OFSY 560 Office Skills Laboratory
OFSY 527 Microsoft Windows Operating System

Certificate of Completion: Office Assistant II

The Office Assistant II Program is designed to prepare students for mid-level positions in various office settings. The program will provide students with the skills to deliver presentations, maintain a workweek calendar, design spreadsheets, gather and organize data, and calculate invoices, time cards and payroll deductions. The program courses provide instruction in professional document creation, digital and face-to-face communications, using the latest web tools for research, purchasing or promoting a business. Students who successfully complete the program can use the skills learned in a variety of industries providing clerical support in the following job areas: court-municipal records, and insurance, payroll, financial, or rental services. They can also work as reservation and transportation agents, social and human service assistants, student services or teaching assistants.

Required Courses
OFSY 500 Business Math 1
OFSY 505 Business Communication 1
OFSY 506 Business Communication 2
OFSY 575 Spreadsheets: Beginning
OFSY 580 Survey of Business Software

Certificate of Completion: Project Management

The Project Management Program is designed to provide students with the knowledge and skills needed in project planning and management. This program provides students with the practical application skills and working knowledge of the tools necessary to plan, implement and manage projects in any business environment. The program courses include instruction in the fundamentals of project management, including
planning, defining a project, resources, roles and responsibilities, necessary skills, tools and processes. Project management software options such as Microsoft Project are used throughout the program. Instruction will also cover team building, problem solving, decision making, using creativity and innovation, emerging trends, communication skills and a capstone project. Students who successfully complete the program can use the skills learned as a foundation for additional educational training in any business area.

Orientation and Enrollment
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit [https://sdcce.edu/job-training/business](https://sdcce.edu/job-training/business)

Required Courses
- BUSN 621 Project Management I
- BUSN 622 Project Management II

Certificate of Completion: Small Business Planning

The Small Business Planning Program is designed to provide students with the practical application skills and knowledge to start and manage a small business. The program courses include instruction in the essentials of starting a small business, recognizing the requirements of local, state and federal organizations, identifying best practices in hiring, as well as sales and marketing strategies. In a capstone written business plan project, students demonstrate a business model concept that creates customer value in a product or service and identifies how a student may successfully create self-employment by creating their own small business. Students who successfully complete the program can use the skills learned to start their own small business for self-employment or obtain a job in the field of business management, market analysis, business development or sales.

Orientation and Enrollment
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit [https://sdcce.edu/job-training/business](https://sdcce.edu/job-training/business)

Required Courses
- BUSN 630 Small Business Essentials
- BUSN 631 Small Business Planning

Certificate of Completion: Small Business Growth

The Small Business Growth Program is designed to provide students with the practical application skills and knowledge to plan, manage and grow a small business. The program courses include instruction in the essentials of business, sales and marketing skills necessary for the entrepreneur or manager. Topics include roles of the entrepreneur, goal setting, negotiation skills, building trust, sales ethics, developing a sales team, market research, promotion and pricing tactics used to increase profits. In a capstone written project, students demonstrate a marketing strategy that identifies how a student may successfully grow a small business. Students who successfully complete the program can use the skills learned to start and manage their own small business for self-employment or obtain a job in the field of business management, sales or marketing.

Orientation and Enrollment
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit [https://sdcce.edu/job-training/business](https://sdcce.edu/job-training/business)

Required Courses
- BUSN 632 Small Business Skills
- BUSN 633 Small Business Sales
- BUSN 634 Small Business Marketing
Certificate Programs

Child Care Provider Training
Child Home Care Training
Early Learner Development
Early Learner Enrichment
Infant Care Specialist
Infant and Toddler Development
Infant and Toddler Enrichment
Instructional Aide
Introduction to Child Care as a Career
School-Age Care & Leadership
Three to Five-Year-Old Specialty Curriculum

Certificate of Completion: Child Care Provider Training

The Child Care Provider Training program will provide students with foundational knowledge of early childhood development as well as information about business practices to help progress towards vocational, academic, personal and/or professional goals working with children. Students become familiar with the local requirements for childcare businesses and regulations pertaining to childcare providers. Program instruction incorporates development of critical thinking skills and soft skills needed in academic, professional and social settings with emphasis placed on caring for infants and young children. This program provides the knowledge and academic experience necessary for a student to successfully transition to credit institutions and further study in the field of child development.

Required Courses
HMDV 575A Foundations of Child Care
HMDV 575B Intro to Child Care Business

Certificate of Completion: Child Home Care Training

The Child Home Care Training program will provide students with knowledge of early childhood development, information about childcare business practices, and applied skills in both business and early childhood care and education. The program prepares students to have a successful child care business of their own serving children ages 0-5, as they experience hands-on-practice in a laboratory setting with multi-age children. Employment options, as well as opportunities for home business success, increase with program completion. This program provides the knowledge and academic experience necessary for a student to successfully transition to credit institutions and further study in the field of child development.

Required Courses
HMDV 575A Foundations of Child Care
HMDV 575B Intro to Child Care Business
HMDV 584 Multi-Age Development & Care

Certificate of Completion: Early Learner Development

The Early Learner Development Program will provide students with knowledge of the physical, cognitive, and socio-emotional development of children ages 2-5 years. The program focuses on developmentally appropriate practice in the care and education of children ages 2-5 years, and the creation of safe, appropriate and nurturing environments which foster emerging skills and readiness for school entry. Upon successful completion of the program, the student will be able to provide safe and nurturing environments and implement developmentally appropriate activities for early learners. The student will explore and identify careers and vocations in early childhood education, development and care. This program provides skills necessary for entry-level employment in child care occupations and will provide students the opportunity explore educational pathways in Early Childhood Care and Education.

Required Courses
HMDV 582 Two-Year-Old Dev & Care
HMDV 583 Three to Five Yr-Old Dev & Care
Certificate of Completion: Early Learner Enrichment

The Early Learner Enrichment program will provide students with knowledge and experience in various methods to promote and enrich physical, cognitive and socioemotional development in the early childhood between the ages of 2-5 years. The emphasis will be on brain development as enhanced by experiences with music, movement and outdoor learning and play.

Upon successful completion of the program, the student will be prepared to lead activities at home and in the workplace with children ages 2-5 years that benefit growth and development, with special emphasis on brain, language and physical development. The student will be able to demonstrate for parents and caregivers how to create safe outdoor play and learning environments for early learners. This program provides skills necessary for entry-level employment in child care occupations and will provide students the opportunity explore educational pathways in Early Childhood Care and Education.

Required Courses
HMDV 586 Early Learner Brain Dance
HMDV 591 Early Learner Outdoor Enrich

Certificate of Completion: Infant and Toddler Development

The Infant and Toddler Development program will provide students with knowledge of the physical, cognitive, social and emotional growth of infants and toddlers. The program focuses on developmentally appropriate practices in the care of children ages 0-24 months and the creation of safe, appropriate and nurturing home and child care environments. Upon successful completion of the program, the student will be able to provide safe, nurturing and developmentally appropriate care for infants and toddlers. The student will explore and identify careers and vocations in infant and toddler development and care. This program provides skills necessary for entry-level employment in child care occupations and will provide students the opportunity explore educational pathways in Early Childhood Care and Education.

Required Courses
HMDV 580 Infant Development & Care
HMDV 581 Toddler Development & Care

Certificate of Completion: Infant and Toddler Enrichment

The Infant and Toddler Enrichment program will provide students with knowledge and experience in various ways to promote and enrich infant/toddler physical, cognitive and socioemotional development. The emphasis will be on infant/toddler brain development as enhanced by experiences with music, movement and outdoor learning and play. Upon successful completion of the program, the student will be able to lead activities at home and in the workplace with children 0-24 months that benefit infant and toddler brain development. The student will be able to create safe outdoor play and learning environments for infants and toddlers and demonstrate for parents and caregivers how to do so. The student will also gain knowledge and academic experience necessary to foster a successful transition to credit institutions and/or further study in the field of child development.

Required Courses
HMDV 585 Infant/Toddler Brain Dance
HMDV 590 Infant/Toddler Outdoor Enrichment

Certificate of Completion: Infant Care Specialist

The Infant Care Specialist program will provide students with knowledge specific to infant care and development, as well as an understanding of basic business practices involving the care of infants ages 0-12 months. Students learn how to provide safe, nurturing and appropriate care for infants in the family home or in a child care center. Students will acquire the knowledge and skills to open their own infant family child care home. This program provides the knowledge and academic experience necessary for a student to successfully transition to credit institutions and further study in the field of child development.

Required Courses
HMDV 575A Foundations of Child Care
HMDV 575B Intro to Child Care Business
HMDV 580 Infant Development & Care
Certificate of Completion: Instructional Aide

The Instructional Aide program will help students to understand the realities of working as an instructional aide, as well as help to promote job satisfaction and competence in an entry-level position by providing a general understanding of applied behavior analysis (ABA), individualized educational plan (IEP), and characteristics of disabilities in the school-aged child. Students will become familiar with teaching strategies, professional responsibilities, and laws and regulations related to teaching children with disabilities. Program instruction focuses on understanding terminology and applied practice through role-play. This program prepares students for entry-level positions that support learning and independence for individuals with disabilities across various settings including school, home, and community-based programs.

Required Courses
HMDV 571A Instruction Aide I
HMDV 571B Instruction Aide II

Certificate of Completion: School-Age Care & Leadership

The School-Age Care & Leadership program develops childcare providers' foundational knowledge of the physical, emotional, social and intellectual development of school-age children and those needing special attention, in order to design a program that uses positive guidance and discipline. Students construct school-age child development center curriculum for practical application. The program incorporates the development of critical thinking and soft skills needed in academic, professional and social settings where emphasis is placed on before and after school care. Upon successful completion of the program, the student will be prepared to lead activities at home and in the workplace with children ages 6-12 years focusing on advancing growth on all domains of development as well as academic success. The student will also gain knowledge and academic experience necessary to foster a successful transition to credit institutions and/or further study in the field of child development.

Required Courses
HMDV 595 School-Age: Theory & Skill Dev
HMDV 596 School-Age: Guidance & Curricula

Certificate of Completion: Introduction to Child Care as a Career

This program provides an introduction and prepares students for academic and professional success in the child care field. Students will learn practical guidelines and explore the requirements for careers in the child care field. This program will cover basic child development theory, health and safety, nutrition, and behavior management. In preparation for academic and professional success in the child care field, coursework will provide students the opportunity to develop self-discipline and empathy, self-management, and self-awareness skills. Program objectives include, but are not limited to, gaining an understanding of effective communication, financial literacy, employability skills, study skills, and soft skills that apply to both the classroom and work environment. Students who successfully complete the program will be prepared to enter the child care workforce in an entry-level position or further their education in Child Development.

Required Courses
HMDV 575A Foundations of Child Care
INTD 500 Career & College Readiness

Certificate of Completion: Three to Five-Year-Old Specialty Curriculum

The Three to Five-Year-Old Specialty Curriculum program provides students with knowledge to develop and implement curricula designed for 3 to 5-year-old-children in the specialty areas of literacy, communication, reading, science, technology, engineering concepts, art and math. Emphasis is placed on understanding normative development and in utilizing the specialty curriculum to enhance growth potential and educational engagement in 3 to 5-year-olds. Additional emphasis is placed on recognizing unique needs or developmental delays in equitable and inclusive settings. Upon successful completion of the program, students are prepared to lead emergent literacy and STEAM activities in the workplace and at home with children 3 to 5-years-old. With an understanding of classroom mechanics, students will be able to successfully implement
Clothing & Textiles

Certificate Programs
Clothing Construction Program
Fashion Retail Business Program
Sewn Product Business Program

Certificate of Completion: Clothing Construction
This Clothing Construction Program is a sequence of courses designed to provide students with the knowledge and skills required for jobs in the fashion industry, fashion related careers or starting a small business. The program covers the development of basic to advanced sewing skills to create apparel and sewn products. Topics include pattern and fabric selection, construction techniques, pressing skills, selection, care and use of various types of sewing machines, elements of style, textile knowledge and identification, equipment, tools, fitting techniques, evaluation of apparel quality, industrial techniques, and tailoring using both couture and contemporary methods. Fashion industry concepts including green technology, trends, marketing, and employment opportunities are included. Students who successfully complete the program can use the skills learned in a variety of fashion jobs including retail sales associate and customer service representative. It also prepares students for national retail certification assessments. This program serves as a foundation for additional training in advanced retail sales/management certificate programs and an associate degree in Fashion Merchandising at a community college.

Required Courses
CLTX 620 Sewing Fundamentals
CLTX 625 Sewing Fundamentals II
CLTX 630 Sewing Like a Professional
CLTX 635 Contemporary Tailoring

Certificate of Completion: Fashion Retail Business
The Fashion Retail Business Program provides the theory and hands-on training for entry-level positions in the fashion retail profession. The program provides an overview of the fashion industry, fashion industry terminology, industry history, careers, entrepreneurship, employability skills product identification, consumer behavior, sales, customer service and soft skills. Topics include segments of the fashion industry, following fashion trends, fashion retailers, global impact of fashion retail industry, consumer demographics, retail sales techniques, ethics in sales and solving customer service issues. The program also covers how to obtain employment in the fashion retail industry. Students who successfully complete the program can use the skills learned in a variety of fashion jobs including retail sales associate and customer service representative. It also prepares students for national retail certification assessments. This program serves as a foundation for additional training in advanced retail sales/management certificate programs and an associate degree in Fashion Merchandising at a community college.

Required Courses
CLTX 670 Intro to Fashion Industry
CLTX 671 Fashion Retail Basics

Certificate of Completion: Sewn Product Business
This certificate of completion provides the student with instruction regarding the progression of a sewn product from conception to the consumer. The student will learn the entrepreneurial aspect of the sewn product business and develop a feasibility and marketing plan related to the student’s conceptual sewn product. Sewn product manufacturing in the industrial and home-based environment will be covered as will employment preparation.

Required Courses
CLTX 651 Sewn Product Business I
CLTX 652 Sewn Product Business II
CLTX 653 Sewn Product Business III
Digital Media & Programming

Certificate Programs
- Data Management with Python
- Digital Design
- Digital Photography
- Front End Web Developer I
- Front End Web Developer II
- Full-Stack Web Developer
- Intro to Digital Design Careers
- Mobile Application Development Program
- Motion and Video Production
- Multimedia Specialist Program
- Programming with Python
- Visual and Vector Design
- Web Design and Content Management
- Web Specialist Program

Certificate of Completion: Data Management with Python

The Data Management with Python program is designed to provide students with the knowledge and skills needed to program software using the Python programming language. The program courses provide instruction in a variety of Python programming topics ranging from the essentials of the language, to control statements, functions and modules, working with strings, numbers, dates, times, tuples, lists, dictionaries, object-oriented programming concepts, and exception handling. Students are also introduced to programming databases with Python. Students who successfully complete the program can use the skills learned in a variety of industries and jobs including data science, embedded programming, game development, general software development, automation, cyber security, web development, and more. This program also serves as a foundation for additional training in information technology.

Required Courses
- COMP 660 Programming with Python I
- COMP 661 Programming with Python II
- COMP 662 Programming Databases with Python
- COMP 663 Python for Data Science

Certificate of Completion: Digital Design

The Digital Design program is designed to provide students with the knowledge and skills needed to assess and learn basic design principles and best practices employed in the visual, print and digital portfolio industry. Through a hands-on, portfolio-based approach, students will gain a working knowledge of the creative fields of visual, print, and digital design. The courses included in the program provide instruction including selecting the appropriate tools, understanding best practices in the design and visual industry, and applying appropriate industry standard applications for visual, print and digital design. Students will learn the technical skills needed to be prepared for entry-level employment in the digital media and design industry by planning, designing and creating computer-based digital media using a selection of industry-standard software. Earning a Digital Design Certificate allows students to demonstrate their knowledge and expertise with the most common skills required for the print and visual design industry.

Orientation and Enrollment

Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/digital-media

Required Courses
- COMM 660 Visual Design
- COMM 661 Vector Design
- COMM 662 Page Layout Design
- COMM 663 Portfolio Design

Certificate of Completion: Digital Photography

The Digital Photography program provides basic knowledge and skills required for a career as a photographer. The focus is to provide the fundamentals of digital photography and covers how to use the features of a digital camera. Students will learn the basic concepts of photography and operation of a digital camera. This program also covers establishing a photo management system and editing workflow used by professional photographers to accelerate the photo editing process and make organizing, editing and sharing...
of digital photographs quick and easy. Advanced photo editing software tools will also be used for non-destructive mass image editing, printing and publishing. Upon successful completion of this program students will be prepared for an introductory career in photography which includes, but not limited to, photographer/editor, school photographer, real estate photographer, and/or freelance photographer. Students interested in freelance photography or gig photography jobs are encouraged to complement the knowledge and skills gained upon successful completion of this program with courses in small business planning, management and growth. Students interested in higher photography, graphic design and/or marketing careers are encouraged to continue their education and earn a degree as employers typically require a bachelor’s degree as the minimum educational requirement.

Orientation and Enrollment
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/digital-media

Required Courses
COMM 650 Digital Photography
COMM 651 Photo Editing
COMM 652 Advanced Photo Processing

Certificate of Completion:
Front End Web Developer I

The Front End Web Developer I program is designed to provide students with an introduction into the Web Development Industry. Front End Web Developers design the user interface and are responsible for visual design, user interaction, and browser compatibilities, and the courses offer the student a look into the ecosystem. The program courses include basic web programming, components of a website, pre-planning tools and strategies of preliminary web development utilizing user an overview of the internet, file management in relation to web development, components of a website, basic web authoring techniques using Hypertext Markup Language (HTML), and basic styling and structuring techniques using Cascading Style Sheets (CSS). Additionally, the program courses provide the student important soft skills that are critical in this industry including communication, honesty, teamwork, punctuality, integrity, accountability and organization.

Orientation and Enrollment
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/digital-media

Required Courses
COMM 670 Web Development Fundamentals
COMM 671 Soft Skills in Web Development

Certificate of Completion:
Front End Web Developer II

The Front End Web Developer II program is designed to leverage the skills the student learns in the Front End Web Developer I program by pushing the student beyond the basics and into more intermediate and advanced level techniques. In this program, the student learns intermediate to advanced level skills in HTML and CSS. Additionally, the student is introduced to User Interface Design, specifically learning about user- and task-analysis, field research methods, usability testing and the UX process, creating sitemaps, wireframes, mood boards, style guides, and more. This course also introduces the student to promotion of a website through search engine optimization (SEO) which includes basic optimization strategies through keyword research, building inbound links, and optimizing pages and content. Finally, students will learn about accessibility strategies, how to maintain site health, and how to build and maintain a portfolio for success beyond the classroom.

Orientation and Enrollment
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/digital-media

Required Courses
COMM 672 Web Programming: HTML and CSS
COMM 673 User Interface Design
COMM 674 Modern Web Development Tools
COMM 675 Web Development Special Topics
Certificate of Completion: Full-Stack Web Developer

MongoDB, Express, React and Node, also known as the MERN stack, are a popular combination for building modern full-stack web applications. Companies such as Uber, Lyft, Coinbase, Accenture, Netflix, Pinterest, and more leverage these technologies to build fast, efficient, and scalable solutions that can handle the massive amounts of transactions on their platforms every day. In this program, the student will be introduced to full-stack web development with the MERN stack. The student will learn the JavaScript programming language and how to use it to build data-driven web applications using React and Node, work with data using MongoDB and Express, and learn to test, secure, and deploy applications. This program also covers many other complementary tools and technologies. Upon completion of this program a student is prepared for a career in web application development, software development and/or systems software development.

Orientation and Enrollment
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/digital-media

Required Courses
- COMP 690 Web Programming: Javascript
- COMP 691 NoSQL Document Databases
- COMP 692 Building Restful Web APIs
- COMP 693 Javascript Frameworks

Certificate of Completion: Intro to Digital Design Careers

The Intro to Digital Design Careers program is designed to provide students with an overview of the graphic design industry and the qualifications necessary to match career opportunities. The program focuses on the knowledge and essential skills required to execute the basic design principles and best industry practices. The courses provide a hands-on approach to planning, designing, and creating raster and vector-based documents for the development of a portfolio. Students who successfully complete the program can use the skills acquired in a variety of introductory digital design positions. This program also serves as a foundation for further instruction in digital design.

Orientation and Enrollment
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/digital-media

Required Courses
- COMM 550 Intro to Digital Design
- COMM 660 Visual Design

Certificate of Completion: Mobile Application Development

The Mobile Application Development Program is designed to provide students with the knowledge and skills needed to develop and publish cross-platform mobile applications. The program provides students with both the practical and analytical skills needed to develop, publish and market mobile applications for multiple platforms. The program courses provide instruction in common markup, styling, and programming languages including open source frameworks. Topics include construction of content screens, database storage of user input, and geolocation services. Students will learn about Software Development Kits (SDKs), application testing, and publication. Students who successfully complete the program can use the skills learned in a variety of industries and jobs including web application development and software application development. This program also serves as a foundation for additional training in information technology.

Orientation and Registration
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/digital-media

Required Courses
- COMP 645 Mobile App HTML Development
- COMP 646 Mobile Software Dev Platform
- COMP 647 Mobile App Publication
Certificate of Completion: Motion and Video Production

The Motion and Video Production program is designed to provide students with the knowledge and foundational skills needed to evaluate and appropriate software, principles and best practices employed in the audio, motion graphics and video production industry using audio, motion and video applications. The course provides a hands-on approach to planning, designing, and creating motion and video documents for the development of a portfolio. This can benefit students for future employment and possible internships within the industry. Students who successfully complete the program can use the skills learned in a variety of introductory motion and video production positions.

Orientation and Enrollment

Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/digital-media

Required Courses

COMM 667 Motion Graphics
COMM 668 Video Production

Certificate of Completion: Multimedia Specialist

This program is designed to provide students with the fundamentals of multimedia design and development skills for employment or additional education and training. Through a hands-on approach to planning, designing and creating computer based media using a variety of industry standard tools, students are prepared to effectively combine video, sound, written content, animation and digital images into an assortment of projects including but not limited to the creation of graphical interfaces, CD-ROMs, DVDs, presentations, videos, marketing materials, technology-based education and even web sites.

Other industry related concepts such as project management, storyboarding, page layout, graphic user interface (GUI), naming conventions, typography, output techniques, 2D creation, 3D rendering, hardware, media limitations, legal issues, theory of color, information architecture, delivery platforms, lighting, ethical issues, usability, file formats and storage would also be addressed. This program also articulates courses to associate degree programs.

Required Courses

OFSY 522 Page Layout
OFSY 603 Digital Editing
OFSY 606 Vector Graphics
OFSY 609 Motion Graphics
OFSY 612 3D Modeling
OFSY 699 Emerging Topics-Office Systems

Certificate of Completion: Programming with Python

The Programming with Python program provides students with the necessary knowledge and skills to program software using the Python programming language. The courses provide instruction in fundamental Python topics, ranging from the essentials of the language, including control statements, functions, and data types, to object-oriented programming concepts. Students who successfully complete the program can use the skills learned in a variety of industries and jobs including, network and system administration, cyber security, automation, embedded programming, and general software development. This program also serves as a foundation for additional training in web and game development.

Orientation and Enrollment

Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/digital-media

Required Courses

COMP 660 Programming with Python I
COMP 661 Programming with Python II
Certificate of Completion: Visual and Vector Design
The Visual and Vector Design program is designed to provide students with the knowledge and foundational skills needed to evaluate and appropriate basic design principles and best practices employed in the design industry using raster and vector based applications. The courses provide a hands-on approach to planning, designing and creating raster and vector-based documents for the development of a portfolio. Students who successfully complete the program can use the skills learned in a variety of introductory print design positions. This program also serves as a foundation for additional training in digital media.

Orientation and Enrollment
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/digital-media

Required Courses
COMM 660 Visual Design
COMM 661 Vector Design

Certificate of Completion: Web Design and Content Management
The Web Design and Content Management program is designed to provide students with the knowledge and skills needed to assess and learn basic design principles employed in the web design content management industry. Through a hands-on approach, students will gain a working knowledge of the creative fields of visual and digital design for a web design and content management system. The program courses provide instruction including selecting the appropriate tools, understanding best practices in the web design content management industry and applying appropriate industry standard applications. Students will learn the technical skills needed to be ready for work in the digital design industry. Earning a Web Design and Content Management Certificate allows students to demonstrate their knowledge and expertise with the most common skills required for the web design content management industry. This program serves as a foundation for additional training in higher education courses and/or introductory level position in these industries.

Orientation and Enrollment
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/digital-media

Required Courses
COMM 666 Workflow for Modern Web Design
COMM 669 Web Design & Content Management

Certificate of Completion: Web Specialist
This program is designed to provide students with fundamental web development and design skills for employment or as a foundation for additional education training. This instruction prepares students to effectively combine written content, video, sounds, animation and digital images into web sites through a hands-on approach using a variety of industry standard tools. Other industry related concepts such as project management, storyboarding, page layout, graphic user interface (GUI), file optimization, naming conventions, typography, output techniques, 2D image creating, 3D rendering, HTML, JavaScript, server programming for dynamic web sites, security, hosting issues, Cascading Stylesheets (CSS), hardware, media limitations, legal issues, theory of color, information architecture, delivery platforms, ethical issues, usability, file formats and storage options are also addressed. This program also articulates courses to associate degree programs.

Required Courses
BUSN 600 Business on the Internet
BUSN 603 Legal Issues on the Internet
COMM 610 Virtual Reality
COMM 618 Web Site Creation
COMM 622 Writing for the Internet
COMP 635 Information Architecture
COMP 699 Emerging Topics-Computers
OFSY 516 Internet Basics
OFSY 615 Web Databases
OFSY 618 Web Marketing
English as a Second Language

Certificate Programs
Advanced English as a Second Language Program
Advanced Prevocational ESL
Beginning English as a Second Language Program
Beginning Low Prevocational ESL
Beginning High Prevocational ESL
English as a Second Language Citizenship
English as a Second Language Conversation Program
English as a Second Language Grammar
English as a Second Language Multilevel Citizenship
English as a Second Language Pronunciation
English as a Second Language Reading
Intermediate English as a Second Language Program
Intermediate Low Prevocational ESL
Intermediate High Prevocational ESL

Certificate of Competency: Advanced English as a Second Language
The Advanced English as a Second Language Program equips students with the language skills needed to transition into higher education systems and/or the workplace. Each course focuses on development of listening and reading fluency and academic reading and writing skills. Digital literacy, soft skills and cultural awareness are integrated throughout the program. Upon completion of requirements of the Advanced English as a Second Language Program, students will receive a program certificate and are prepared to transition to career training, college and/or the workplace.

Required Courses
ESLA 436 ESL Adv Low 6
ESLA 437 ESL Adv High 7

Elective Courses
ESLA 415 ESL Multi-level

Certificate of Competency: Advanced Prevocational ESL
The Advanced Prevocational ESL program equips students with the language skills needed for career planning, obtaining employment and communication in the workplace. Each course focuses on the development of oral and written communication skills, reading skills, vocabulary development and grammatical competence. Development of critical thinking, data interpretation, digital literacy, numeracy, soft skills, and diversity awareness are integrated throughout the program. Upon successful completion of requirements of the Advanced Prevocational ESL program, students receive a program certificate and are prepared to transition to career training, college and/or employment.

Required Courses
ESLA 429A Adv Prevocational 1
ESLA 429B Adv Prevocational 2

Certificate of Competency: Beginning English as a Second Language
The Beginning ESL Program develops English learners’ emerging listening, speaking, reading and writing skills to progress towards their personal, academic and/or professional goals and advance into the Intermediate ESL Program. Instruction incorporates development of the critical thinking and soft skills needed in academic, professional and social settings, with emphasis on working cooperatively in a diverse environment. Students
who complete the program are prepared to enter the Intermediate ESL Program.

**Required Courses**
- ESLA 431  ESL Beg Literacy 1
- ESLA 432  ESL Beg Low 2
- ESLA 433  ESL Beg High 3

**Elective Courses**
- ESLA 415  ESL Multi-level

**Certificate of Competency: Beginning Low Prevocational ESL**
The Beginning Low Prevocational ESL program equips students with the basic language skills to begin career exploration and job search. The program also prepares students for communicating in the workplace, transitioning to the next level of ESL instruction and/or job training. Each course focuses on the development of oral and written communication skills, reading skills, vocabulary development, and grammatical competence. Development of critical thinking, digital literacy, numeracy, soft skills, and diversity awareness are integrated throughout the program. Upon successful completion of requirements of the Beginning Low Prevocational ESL program, students receive a program certificate and are prepared to transition to Intermediate Low Prevocational ESL courses, job training or employment.

**Required Courses**
- ESLA 425A  Beg Low Prevocational 1
- ESLA 425B  Beg Low Prevocational 2

**Certificate of Competency: Beginning High Prevocational ESL**
The Beginning High Prevocational ESL program equips students with the basic language skills to continue career exploration and job search. The program also prepares students for communicating in the workplace, transitioning to higher levels of ESL instruction and/or job training. Each course focuses on the development of oral and written communication skills, reading skills, vocabulary development and grammatical competence. Development of critical thinking, basic data interpretation, digital literacy, numeracy, soft skills, and diversity awareness are integrated throughout the program. Upon successful completion of requirements of the Beginning High Prevocational ESL program, students receive a program certificate and are prepared to transition to Intermediate High Prevocational ESL courses, job training or employment.

**Required Courses**
- ESLA 441  ESL Pre-Citizenship
- ESLA 442  ESL Citizenship
Certificate of Competency: English as a Second Language Conversation Program

The ESL Conversation Program provides instruction in listening and speaking skills to equip English learners to function successfully in academic, professional and social settings. Critical thinking skills and cultural diversity awareness are integrated throughout the program. Students who successfully complete this program are prepared to listen and speak effectively in higher educational settings, vocational training and/or the workplace.

Required Courses
ESLA 450 ESL Beginning Conversation
ESLA 451 ESL Int/Adv Conversation

Certificate of Competency: English as a Second Language Grammar

The ESL Grammar Program provides instruction and extensive practice designed to increase students’ proficiency in the use of English grammar in written and oral communications. Instruction focuses on pronunciation and application of grammar knowledge in writing and speaking to promote success in workplace, community and academic settings. Soft skills, critical thinking, digital literacy and cultural awareness are incorporated throughout the program.

Required Courses
ESLA 454 ESL Beginning Grammar
ESLA 455 ESL Int/Adv Grammar

Certificate of Competency: English as a Second Language Multilevel Citizenship

The ESL Multilevel Citizenship program develops students’ English listening, speaking, reading and writing skills and knowledge of American History and Government for citizenship preparation. Instruction prepares students for successful completion of the naturalization process including the application for citizenship, the Citizenship History and Government test and the final United States Citizenship and Immigration Services (USCIS) interview. Upon completion of the requirements of the ESL Multilevel Citizenship Program, students will receive a program certificate and are prepared to complete all steps of the naturalization process and to participate in professional, educational and social settings.

Required Courses
ESLA 415 ESL Multi-Level
ESLA 442 ESL Citizenship

Certificate of Competency: English as a Second Language Pronunciation

The ESL Pronunciation Program provides instruction in the sounds of spoken American English. Students’ progress from identifying and producing isolated sounds to speaking clearly and fluently in extended sentences and conversations. Instructional focus includes understanding the relationship of phonology, syntax and semantics to the rules of American English pronunciation. Soft skills, critical thinking skills and cultural awareness are incorporated throughout the courses. Upon completion of this program, students receive a program certificate and are prepared to apply pronunciation strategies and techniques in higher educational settings, vocational training and in the workplace.

Required Courses
ESLA 452 ESL Beginning Pronunciation
ESLA 453 ESL Int/Adv Pronunciation
Certificate of Competency: English as a Second Language Reading

The ESL Reading Program provides instruction and extensive practice designed to increase students' reading skills in the areas of vocabulary development, fluency, accuracy, comprehension, and analysis. Instruction focuses on strategies to build test-taking skills, reading stamina, and knowledge to succeed in workplace, community and academic settings. Language skills, soft skills, critical thinking skills, digital literacy and cultural awareness are incorporated throughout the program.

**Required Courses**
- ESLA 456 ESL Beginning Reading
- ESLA 457 ESL Int/Adv Reading

Certificate of Competency: Intermediate English as a Second Language

The Intermediate English as a Second Language Program equips students with the language skills required for the fulfillment of their professional and academic goals. Each course includes instruction in listening, speaking, reading, writing, vocabulary development, language functions, and language forms. Using a competency-based approach these skills are taught in the context of themes that are relevant to students' needs and goals. Technology, soft skills and cultural awareness are integrated throughout the program. Upon completion of requirements of the Intermediate English as a Second Language Program, students will receive a program certificate and are prepared to transition to the Advanced English as a Second Language program.

**Required Courses**
- ESLA 434 ESL Int Low 4
- ESLA 435 ESL Int High 5

**Elective Courses**
- ESLA 415 ESL Multi-level

Certificate of Competency: Intermediate High Prevocational ESL

The Intermediate High Prevocational ESL program further develops the language skills for researching the job market to explore career opportunities and seek employment. The program also prepares students for communicating in the workplace, transitioning to higher levels of ESL instruction and/or job training. Each course focuses on the development of oral and written communication skills, reading skills, vocabulary development, and grammatical competence. Development of critical thinking, research skills, data interpretation, digital literacy, numeracy, soft skills, and diversity awareness are integrated throughout the program. Upon successful completion of requirements of the Intermediate High Prevocational ESL program, students receive a program certificate and are prepared to transition to Advanced Prevocational ESL courses, job training or employment.

**Required Courses**
- ESLA 427A Int High Prevocational 1
- ESLA 428B Int High Prevocational 2

Certificate of Competency: Intermediate Low Prevocational ESL

The Intermediate Low Prevocational ESL program further develops the language skills for career exploration and planning, seeking employment, and communicating in the workplace. The program also prepares students for transitioning to higher levels of ESL instruction and/or job training. Each course focuses on the development of oral and written communication skills, reading skills, vocabulary development and grammatical competence. Development of critical thinking, basic data interpretation, digital literacy, numeracy, soft skills, and diversity awareness are integrated throughout the program. Upon successful completion of requirements of the Intermediate Low Prevocational ESL program, students receive a program certificate and are prepared to transition to Intermediate High Prevocational ESL courses, job training or employment.

**Required Courses**
- ESLA 428A Int Low Prevocational 1
- ESLA 428B Int Low Prevocational 2
Healthcare Certificate Programs
Health Unit Coordinator
Nurse Assistant Acute Care Program
Nurse Assistant in Behavioral Health Program
Nurse Assistant Rehabilitative Program
Nursing Assistant Training Program
Personal Care Assistant/Caregiver Program

Certificate of Completion: Health Unit Coordinator

The Health Unit Coordinator program provides students with the skills needed to perform administrative tasks using knowledge of medical terminology, healthcare procedures and the daily operations of a healthcare setting. The program prepares the student to assist in maintaining patient and unit records, electronic medical records, coordinating patient activities such as scheduling diagnostic procedures, surgeries, laboratory tests and other treatments. Health Unit Coordinators serve as the communications link between departments, physicians, nursing staff, patients and visitors. Emphasis is placed on communication skills and soft skills utilized in the health care industry. The program requires completion of the medical terminology course and health unit coordinator basics course. Upon completion of this program students are prepared to provide administrative support in health care settings such as hospital units, clinics, public health care agencies, or nursing homes. This program prepares students for national certification by the National Association of Health Unit Coordinators (NAHUC). This program can be used as academic and career ladders to transition to higher healthcare administrative careers and higher education pathways.

Required Courses
HLTH 612 Medical Terminology
HLTH 613 Health Unit Coordinator Basics

Certificate of Completion: Nursing Assistant Training

The purpose of the training is to prepare students for the State Certified Nurse Assistant examination, which tests for knowledge of theory and applied skills. In order to successfully complete this training, it is advised that students enter the program with strong reading skills (9th grade or higher). Students are also required to have a physical and T.B. exam before entering the program.

Students learn a variety of skills
Requirements for nurse assistant certification, professionalism and ethics; communication and interpersonal skills; promoting patients’ rights and independence; rehabilitative/restorative care; medical/surgical asepsis; standard procedures; emergency procedures and prevention of catastrophe; resident care skills and procedures; body mechanic-nutrition; vital signs; weights and measures; observation and charting; and the long-term-care resident; death and dying.

Upon successful completion of the course, students may apply to take the State Certified Nurse Assistant examination. Once students have passed this exam, they become certified as Nurse Assistants by the State of California.

Required Courses
HLTH 605 Nursing Assistant Training
HLTH 606 Home Health Aide
Certificate of Completion: Nurse Assistant Acute Care

The Nurse Assistant Acute Care Program provides students with the skills essential to seek employment as a Certified Nurse Assistant (CNA) or an Acute Care Nurse Assistant in a hospital. The nurse assist course prepares the student to take the California State Examination to become a Certified Nurse Assistant and provides the skills needed to work in a skilled nursing facility. The Nurse Assistant Training course includes classroom theory, nursing lab practicum, and supervised clinical practice. Students will learn how to measure vital signs such as blood pressure, pulse, respirations and temperature and assist patients with bathing, toileting, positioning, dressing, ambulating and using equipment such as wheelchairs and mechanical lifts. The Acute Care Nurse Assistant course provides the CAN with knowledge and skills needed to function competently in an acute care setting; such as a hospital, sub-acute unit, or ambulatory care clinic. This course consists of theory and hands-on practice in medical and surgical patient care and in the areas of oncology, orthopedics, obstetrics and maternal-child care. Infection control, anatomy and physiology, medical terminology, psychosocial needs, and communication and reporting methods are integrated throughout the course. A critical part of the program will be learning to observe and report changes in a patient’s condition to the supervising Licensed Vocational or Registered Nurse.

Required Courses
- HLTH 605 Nursing Assistant Training
- HLTH 607 Acute Care Nurse Assistant

Certificate of Completion: Nurse Assistant Rehabilitative

The Nurse Assistant Rehabilitative Program provides students with the skills essential to seek employment as a Certified Nurse Assistant or a Restorative Nurse Assistant. The program prepares the student to take the California State Examination to become a Certified Nurse Assistant and provides the skills needed to work in a skilled nursing facility or rehabilitative center. The program requires completion of the Nursing Assistant Training course and the Behavioral Health Aide course. The Nurse Assistant Training course includes classroom theory, nursing lab practicum, and supervised clinical practice. Students will learn how to measure vital signs such as blood pressure, pulse, respirations and temperature and assist patients with bathing, toileting, positioning, dressing, ambulating and using equipment such as wheelchairs and mechanical lifts. The Behavioral Health Aide course provides the Certified Nurse Assistant with the skills to specialize in behavioral and mental health care in a hospital, substance abuse facility, psychiatric unit and inpatient/outpatient behavioral health facility. This course consists of theory and hands-on practice in skills providing direct patient care and support, recognizing signs and symptoms of distress, and effectively communicating with patients with mental and behavioral challenges. Students will learn about mental health issues and diseases and to provide professional intervention during patient crises.

Required Courses
- HLTH 605 Nursing Assistant Training
- HLTH 611 Behavioral Health Aide

Certificate of Completion: Nurse Assistant Behavioral Health

The Nurse Assistant in Behavioral Health Program provides students with the skills essential to seek employment as a Certified Nurse Assistant or a Behavioral Health Aide. The program prepares the student to take the California State Examination to become a Certified Nurse Assistant and provides the skills needed to work in a skilled nursing facility or mental health facility. The program requires completion of the Nursing Assistant Training course and the Behavioral Health Aide course. The Nurse Assistant Training course includes classroom theory,
theory, nursing lab practicum, and supervised clinical practice. Students will learn how to measure vital signs: such as blood pressure, pulse, respirations, and temperature; and assist patients with bathing, toileting, positioning, dressing, ambulating and using equipment such as wheelchairs and mechanical lifts. The Restorative Nurse Assistant course provides the Certified Nurse Assistant with the skills to specialize in rehabilitative nursing. This course consists of theory and hands on practice in skills such as splinting, range of motion exercises, dysphagia techniques, adaptive equipment use, documentation and communication with the rehabilitation team and patients. Students will learn to use interventions that promote a patient’s ability to adjust to living as independently as possible within the confines of their disability. This course is also beneficial for caregivers and healthcare workers who provide basic nursing care.

**Required Courses**
- HLTH 605 Nursing Assistant Training
- HLTH 608 Restorative Nurse Assistant

## Certificate of Completion: Personal Care Assistant/ Caregiver
The Personal Care Assistant/Caregiver Program prepares students to work in healthcare as a personal care assistant, also known as caregiver, personal care aide, or home care aide. Personal care assistants usually work in the client’s home or assisted living facility. The Personal Care Assistant but may also provide services to a client in a skilled nursing facility, rehabilitation center or hospital. This program consists of two classes, Healthcare Careers and Personal and Home Care Aide. The Healthcare Careers course provides an overview of the healthcare industry, career opportunities and the basic knowledge required for entry-level positions in the healthcare profession. Topics include business aspects, delivery systems, services and specialties, regulations and mandates, legal and ethical issues and professional conduct. The student will have a basic knowledge of the healthcare industry enabling them to create a career ladder plan or occupational goals specific to their interests. Instruction in the Personal and Home Care Aide includes the role of the assistant/caregiver and procedures for assisting clients in performing their activities of daily living such as bathing and grooming. Topics include basic nursing skills, home safety, and infection control, use of adaptive equipment, body mechanics, and basic nutrition. Maintaining a clean, safe environment, emergency procedures and workplace skills are integrated throughout the course.

**Required Courses**
- HLTH 609 Healthcare Careers
- HLTH 610 Personal and Home Care Aide

## High School Diploma, High School Equivalency & Basic Skills

### Certificate Programs

#### Elementary Basic Skills Program
- High School Equivalency Preparation Level 1
- High School Equivalency Preparation Level 2
- Introduction to Career and College Readiness

#### Secondary Education Completion Program

### Certificate of Completion: Elementary Basic Skills

The Elementary Basic Skills Program is designed to provide students with the basic educational skills necessary to reach their individual, family, work, and community goals. The program is designed for learners who need goal-specific elementary level basic skills such as reading, math, spelling, writing, communication and critical thinking.

The program includes the development of basic skills and content knowledge skill related to the world of work such as interpersonal, speaking, listening, vocabulary, reading, writing use of technology, problem-solving and career planning. After completing this program, students will possess the skills needed to continue with GED preparation, high school completion and vocational studies for employment.

**Required Courses**
- ABED 430 Pre-Vocational ABE
- ABED 441 Basic Education, Language Arts, Beginning Level
- ABED 443 Basic Education, Math, Beginning Level
Certificate of Competency: High School Equivalency Preparation 1

The High School Equivalency Preparation 1 certificate program provides students with the skills needed to be successful in a high school equivalency preparation course. The program includes the development of basic skills, and is designed to support students who need targeted skill development in reading, writing, mathematics, communication and critical thinking. Upon completion of this program students will be prepared to transition to upper level high school equivalency preparation courses.

Required Courses
HSEP 400 HSEP for Mathematics 1
HSEP 402 HSEP for Reading 1
HSEP 404 HSEP for Writing 1

Certificate of Competency: High School Equivalency Preparation 2

The High School Equivalency Preparation Level 2 Certificate Program is designed to prepare students to pass high school equivalency (HSE) tests. The program provides students with the content knowledge and skills in the areas of reading, writing, social studies, science, and mathematics. Critical thinking and test taking strategies are emphasized in the courses required to complete the program. Official HSE tests are not administered within the program; students are provided support in scheduling tests. Upon completion of this program students will be prepared to pass HSE official tests.

Required Courses
HSEP 401 HSEP for Mathematics 2
HSEP 403 HSEP for Reading 2
HSEP 405 HSEP for Writing 2
HSEP 406 HSEP for Science
HSEP 407 HSEP for Social Studies

Certificate of Competency: Introduction to Career and College Readiness

This certificate program is designed to prepare students for academic and professional success by developing behaviors that support personal responsibility through self-management, self-awareness, social and physical wellness, while developing connections between behaviors, intentions and purpose, and the pathway to achieving goals. Program instruction includes identification and use of working styles, creating and leading self-managed teams, and use of a career development model that focuses on digital soft skills, assessment, exploration, decision-making and job search/action. Upon completion of this certificate program students will be prepared to make informed decisions regarding career and college pathways, as well as be better prepared for job readiness.

Required Courses
INTD 500 Career & College Readiness
INTD 501 Career Development

Certificate of Competency: Secondary Education Completion

This program is a sequence of courses in Secondary Basic Skills leading to a joint high school diploma. The Board of Trustees of both the San Diego Unified School District and the San Diego Community College District jointly award this diploma. The courses offered provide students with opportunities to demonstrate proficiency in each of the California Content Area Standards, as well as the Reading, Writing, Listening and Speaking, Written and Oral English Language, and Mathematics Standards associated with each class. Upon obtaining the High School Diploma, students are prepared to matriculate to trade schools, community colleges, and four year institutions. They are also prepared to achieve their individual, family, work, and community goals.

Required Courses
HSDP 403 Independent Study
HSDP 409 English 3-4, First Semester
HSDP 411 English 3-4, Second Semester
HSDP 413A Contemporary Voices 1
Certificate of Completion: Baking and Pastry I

This program provides career readiness skills in the baking and pastry arts. Students will be exposed to the fundamentals of bakeshop product identification, ingredients, and industry techniques. Students will explore the basic culinary skills in the baking industry from baking theory and techniques to hands-on production techniques used in working kitchens and bakeries. Products produced include cookies, pies, tarts, dessert sauces, custards and frozen desserts before ending with artisanal bread production, such as yeasted, non-yeasted, and laminated doughs. Students will gain an understanding of soft skills such as interpersonal skills, conflict resolution, time management, organizational skills while working in a culturally rich setting. Upon completion of this program, students will be prepared for gainful employment as an entry-level baker in a commercial bakeshop, restaurant, or starting their own cottage industry business.

Required Courses
FDNT 661 Baking and Pastry Essentials
FDNT 662 Baking and Artisanal Breads
students will be prepared for gainful employment as an entry to-intermediate level baker, chocolatier, confectioner, and artisanal cake designer in a commercial bakeshop, restaurant, hotel, boutique confectionary store, or starting their own cottage industry business.

**Required Courses**
- FDNT 663 Advanced Pastries and Cakes
- FDNT 664 Chocolate & Sugar Fundamentals

**Certificate of Completion: Culinary Arts**

The Culinary Arts program is a six module (course) vocational program. Students attend class 25 hours per week. A certification of completion is awarded for successfully completing each module. A Culinary Arts Program certificate is awarded upon successfully completing all six modules. Each module includes culinary theory instruction as well as culinary computer labs.

Orientation and Enrollment Preregistration is required. For additional information about the program and pre-registration call the West City Campus Student Services office, 619-388-1873.

**Required Courses**
- FDNT 671 Culinary Arts I
- FDNT 672 Culinary Arts II
- FDNT 673 Culinary Arts III
- FDNT 674 Culinary Arts IV
- FDNT 675 Culinary Arts V
- FDNT 676 Culinary Arts VI

**Certificate of Completion: Culinary Arts and Sciences**

The Culinary Arts and Sciences Program provides the theory and hands-on training for entry-level positions in the culinary arts profession. The program provides an overview of the culinary arts, terminology, industry history, food safety and sanitation. Topics include tools, equipment, knife skills, food service operations, restaurant management, menu development and food costing. The program courses will also cover nutrition and instruction in comprehensive food preparation techniques. Students who successfully complete the program can use the skills learned in a variety of industries and jobs including cooks, chefs, caterers and food service managers. This program also serves as a foundation for additional training towards an associate degree in culinary arts at a community college.

**Required Courses**
- FDNT 681 Culinary Arts and Sciences I
- FDNT 682 Culinary Arts and Sciences II

**Certificate of Completion: Culinary Arts Advanced**

The Culinary Arts Advanced Program provides an overview of current trends in the culinary industry, restaurant operations, and the basic knowledge required to design and open a food service business. The program includes sustainable food systems, food and beverage management, front end operations and professional table service. Topics include molecular culinary terminology, molecular product identification, flavor affinities, business plan development, marketing, restaurant law, and restaurant concept development. The program courses also cover farm-to-table concepts, food and beverage pairing, purchasing and cost control, human resources and restaurant leadership and management. Students who successfully complete the program can use the skills learned in a variety of industries and jobs including cooks, chefs, caterers and food service managers. This program also serves as a foundation for additional training towards an associate degree in culinary arts at a community college.

**Required Courses**
- FDNT 683 Culinary Arts Advanced I
- FDNT 684 Culinary Arts Advanced II
Certificate of Completion:
Culinary Nutrition

This program provides career readiness skills in the field of nutrition science and meal planning. Students will be exposed to the fundamentals of nutrition principles, scientific concepts, food safety, and bodily processes. Students will learn basic nutrition principles and explore how to apply these in a variety of dishes in order to retain maximum nutrient retention. Topics covered in the program will include national nutrition standards, cultural dietary habits, personal wellness, recipe development, seasonality, and health coaching techniques, menu planning costing, and menu production in a laboratory setting. Students will gain an understanding of soft skills such as interpersonal skills, conflict resolution, time management, organizational skills while working in a culturally rich setting. Upon completion of this program, students will be prepared for gainful employment as a personal or private chef that specializes in dietary food plans or starting their own cottage industry business.

Required Courses
FDNT 618 Nutrition Essentials
FDNT 619 Meal Planning Essentials

Certificate of Completion:
Food Preparation for Health Care Professionals

The sequence of courses in the Food Preparation for Health Care Professionals Program provides the necessary information for individuals working in the health care profession in the areas of nutrition and food preparation. Key concepts include basic nutrition principles, up-to-date food pyramid guidelines, food safety and sanitation, menu planning, food selection and preparation, preparation of menus for individuals with special dietary needs, resources and the aesthetic presentation of food.

Required Courses
FDNT 601 Nutrition Basics
FDNT 605 Eat for a Healthy Lifestyle
FDNT 610 Menu Planning
FDNT 615 Time-Saving Cooking

Certificate of Completion:
Introduction to Hospitality Industry

This program introduces the hospitality industry and prepares students for academic and professional success in the hospitality industry. Students will gain knowledge of industry terminology, a retrospective of early to current cuisines and industry trends, and the major labor market segments. Students will learn skills to develop self-discipline and empathy, self management, and self-awareness. Students will also gain an understanding of effectual communication, financial literacy, employability skills, study skills and soft skills that apply to both the classroom and work environment. Students who successfully complete the program will be prepared to enter the hospitality industry in positions such as prep cook and other entry-level positions in the industry.

Required Courses
INTD 500 Career & College Readiness
FDNT 501 Intro to Hospitality Careers

Certificate of Completion:
Professional Bakeshop Skills

The Professional Bakeshop Skills Program consists of two courses, Beginning Bakeshop Skills and
Advanced Bakeshop Skills. This program prepares students for employment in the baking and pastry industries. Instruction includes hands-on production techniques used in working kitchens and bakeries; industry safety and sanitation guidelines; in-depth analysis of baking tools and ingredients; and measurement. In addition, students prepare a wide variety of bakeshop products such as yeast breads; quick breads; cookies; puff pastries; meringues; custards; sauces; cake production and decoration; mousses; soufflés; frozen desserts; chocolate and sugar work.

Students will be able to demonstrate basic to advanced plating methods used in restaurants and bakeries. Students completing the bakeshop skills program can obtain employment as bakers, cake decorators, pastry chefs, caterers and wedding cake designers in bakeries, restaurants, wholesale and retail food companies, commercial baking establishments, and in hotels and catering companies.

**Required Courses**
- FDNT 627 Professional Bakeshop Skills
- FDNT 628 Advanced Bakeshop Skills

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**Information Technology**

**Certificate Programs**
- Cisco Certified Network Associate (CCNA) Program
- Cloud Solutions AWS-Associate
- Cyber Threat and Response
- Cybersecurity Analyst
- Desktop Operating Systems Program
- Desktop Technician Program
- Linux Server Administration Program
- Network Security Specialist Program
- Network Technician Program
- Security Essentials Program
- Server Essentials Program
- Virtual Datacenter
- Web Server Technologies and Applications
- Windows System Administration Program

**Certificate of Completion: Cisco Certified Network Associate (CCNA)**

This NO FEE program prepares students for the Cisco Certified Networking Associate (CCNA) exam. This program consists of four courses. Each course, starting with course 1, must be completed before advancing to the next course.

The Cisco Networking Academy Program is a comprehensive program that provides students with the skills essential in a digital workforce. The Networking Academy provides web-based content, online assessment, student performance tracking, hands-on labs, support, and preparation for CCNA certification.
Orientation and Enrollment
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/information-technology

For additional information, please visit the program website at https://www.netacad.com/about-networking-academy.

Required Courses
COMP 600 Introduction to Networking
COMP 601 Intro to Router Configuration
COMP 602 Local Area Network Design
COMP 603 Wide Area Network Design

Certificate of Completion: Cloud Solutions AWS-Associate

The Cloud Solutions AWS-Associate program is designed to provide students with the knowledge and skills needed to function as a cloud computing architect. Emphasis is placed on the ability to effectively demonstrate knowledge of how to architect and deploy secure and robust applications on a cloud computing platform. Focus will be on the ability to define a solution using cloud computing architectural design principles and provide implementation guidance based on best practices throughout the lifecycle of the project. Topics include key cloud concepts, the core cloud services, security, architecture, pricing, and support. Students who successfully complete the program can use the skills learned in a variety of industries and jobs including network and computer systems administrator, computer user support specialist and computer operator. This program also serves as a foundation for additional training in information technology.

Orientation and Registration
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/information-technology

Required Courses
COMP 655 Cyber Threat and Vulnerability
COMP 656 Cyber Incident Response, Intro
COMP 657 Cybersecurity Architecture

Certificate of Completion: Cyber Threat and Response

The Cyber Threat and Response Program is designed to provide students with the knowledge and skills needed to assess cybersecurity threats and use the appropriate tools to remediate security vulnerabilities. The program provides students with both the practical and analytical skills needed to perform threat assessments. The program courses provide instruction in cybersecurity architecture and include selecting the appropriate tools, understanding best practices, and applying appropriate security controls. Topics include vulnerability management, security incident response, threat management, forensic tools, their appropriate use, and analysis of the symptoms of an incident. Students will learn about industry standards for software security, security policy planning, and computer forensics. Students who successfully complete the program can use the skills learned in a variety of industries and jobs including network and computer systems administrator, computer user support specialist and cybersecurity analyst. This program also serves as a foundation for additional training in information technology.
a variety of industries and jobs including network and computer systems administrator, computer user support specialist and cybersecurity analyst. This program also serves as a foundation for additional training in information technology.

**Orientation and Registration**
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/information-technology

**Required Courses**
- COMP 655 Cyber Threat and Vulnerability
- COMP 656 Cyber Incident Response, Intro

**Certificate of Completion: Desktop Operating Systems**
The Desktop Operating Systems Program is designed to provide students with the knowledge and skills needed to manage a desktop operating system. The program provides students with both the practical and analytical skills needed to install, configure and ensure the operation of a computer. The program courses provide instruction in both the Windows and Linux desktop environments and include planning and installation of the appropriate operating systems, configuration of computer peripherals and computer virtualization platforms. Topics include managing applications, files and folders, devices, and the use of processing, user accounts and permissions, and basic shell programming. Students who successfully complete the program can use the skills learned in a variety of industries and jobs including computer support specialist and computer operator. This program also serves as a foundation for additional training in information technology.

**Orientation and Registration**
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/information-technology

**Required Courses**
- COMP 608 Basic Network Configuration
- COMP 612 Hardware Service Technician
- COMP 640 Windows Operating Systems

**Certificate of Completion: Linux Server Administration**
The Linux Server Administration Program is designed to provide students with the knowledge and skills needed to manage the Linux server operating system. The program provides students with both the practical and analytical skills needed to install, configure and ensure the operation of a Linux server. The program courses provide instruction in the Linux server environment and include planning and installation of the appropriate operating system, configuration of server components and troubleshooting common system errors. Topics include managing file systems, server roles, network configurations, and the use of administrative commands. Students will learn about command line processing, user accounts an permissions, and network infrastructures. The program provides students with both practical and analytical skills needed to configure, manage, and troubleshoot computer and network hardware and software. The program courses provide instruction in fundamental computer and network theories including computer system modules, operating systems, safety procedures, network infrastructures and architectures, and security threats and mitigation. Topics include computer hardware configuration and diagnostics, TCP/IP (transmission control protocol/internet protocol), network topologies, and operating system and security configuration and compliance. Students who successfully complete the program can use the skills learned in a variety of industries and jobs including computer operator, computer user support specialist, computer network support specialist, and network and computer systems administrator. This program also serves as a foundation for additional training in information technology.
computer scripting. Students who successfully complete the program can use the skills learned in a variety of industries and jobs including network and computer systems administrator, computer support specialist and computer operator. This program also serves as a foundation for additional training in information technology.

**Orientation and Registration**
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit [https://sdcce.edu/job-training/information-technology](https://sdcce.edu/job-training/information-technology)

**Required Courses**
- COMP 641 Linux Essentials
- COMP 643 Linux Server Technologies

**Certificate of Completion: Network Security Specialist Certificate**
The Network Security Specialist Program is designed to build on previously learned knowledge and skills required to secure networks and manage network infrastructures. This curriculum emphasizes security best practices and techniques allowing students to combine these technologies in a single, integrated network security solution. Topics include Authentication, Authorization and Accounting (AAA), secure Virtual Private Network (VPN) management, firewall management security software and hardware, Intrusion Prevention/Detection Systems (IPS/IDS), and security agent software. Students who successfully complete the program can use the skills learned in a variety of industries and jobs including information security analyst, security compliance specialist, and network and computer systems administrator. This program also serves as a foundation for additional training in information technology.

**Orientation and Registration**
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit [https://sdcce.edu/job-training/information-technology](https://sdcce.edu/job-training/information-technology)

**Required Courses**
- COMP 600 Introduction to Networking
- COMP 601 Intro to Router Configuration

**Certificate of Completion: Security Essentials**
The Security Essentials Program is designed to provide students with the knowledge and skills required to manage and secure network infrastructures. The program provides students with both the practical and analytical skills needed to design, operate and troubleshoot and secure network software and hardware. The program courses provide instruction in fundamental networking theories including addressing, physical infrastructure, network architecture, security threats and mitigation techniques. Topics include TCP/IP (transmission control protocol/internet protocol), network topologies, security configuration parameters, security compliance and cryptography. Students who successfully complete the program can use the skills learned in a variety of industries and jobs including information security analyst,
network and computer systems administrator, computer support specialist and computer operator. This program also serves as a foundation for additional training in information technology.

Orientation and Enrollment
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/information-technology

Required Courses
COMP 608 Basic Network Configuration
COMP 609 Network Security Basics

Certificate of Completion: Server Essentials
The Server Essentials Program is designed to provide students with the knowledge and skills needed to manage a server operating system. The program provides students with both the practical and analytical skills needed to install, configure and ensure the operation of a server. The program courses provide instruction in both the Windows and Linux server environments and include planning and installation of the appropriate operating systems, configuration of server components and computer virtualization platforms. Topics include managing file systems, server applications, network configurations, and the use of administrative tools and the control panel. Students will learn about command line processing, user accounts and permissions, and basic shell programming. Students who successfully complete the program can use the skills learned in a variety of industries and jobs including network and computer systems administrator, computer support specialist and computer operator. This program also serves as a foundation for additional training in information technology.

Orientation and Enrollment
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/information-technology

Required Courses
COMP 641 Linux Essentials
COMP 642 Server Admin Fundamentals

Certificate of Completion: Virtual Datacenter
The Virtual Datacenter Program is designed to provide students with the knowledge and skills needed to install, configure, and manage a software-defined datacenter. The program provides students with both the practical and analytical skills needed to manage hypervisors, virtual machines, and the virtual network that makes them available. The program courses provide instruction in the virtual datacenter environment and includes planning and installation of the hypervisor, configuration of the infrastructure management server, and computer virtualization platforms. Topics include hypervisor and virtual machine deployment, virtual switch configuration, and virtual storage management. Students will learn about workload management, virtual machine migrations, and resilient datacenters using high-availability and fault tolerance. Students who successfully complete the program can use the skills learned in a variety of industries and jobs including network and computer systems administrator, computer user support specialist and computer operator. This program also serves as a foundation for additional training in information technology.

Orientation and Enrollment
Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit https://sdcce.edu/job-training/information-technology

Required Courses
COMP 651 Virtual Datacenter 1
COMP 652 Virtual Datacenter 2

Certificate of Completion: Web Server Technologies and Applications
The Web Server Technologies and Applications program is designed to provide students with the knowledge and skills needed to develop and manage a web application on a Linux server. The program provides students with both the practical and analytical skills needed to install, configure and ensure both the operation of a Linux server and a web application. The program courses provide instruction in the Linux server environment, web
server applications, client and server side scripting languages, and databases. Topics include server roles and web server software, server configurations, and the components of a web application, including server modules. Students will learn about command line processing, developing web pages, and computer programming. Students who successfully complete the program can use the skills learned in a variety of industries and jobs including network and computer systems administrator, web developer, database administrator, computer support specialist and computer operator. This program also serves as a foundation for additional training in information technology.

**Required Courses**
- COMP 643  Linux Server Technologies
- COMP 644  Server Side Web Development

**Certificate of Completion: Windows System Administration**

The Windows System Administration Program is designed to provide students with the knowledge and skills needed to administer Windows Operating Systems. The program provides students with both the practical and analytical skills needed to install, configure and manage both client and server computers. The program courses provide instruction in a variety of Windows environments and include planning and installation of the appropriate operating systems, configuration of system components and peripherals, and computer virtualization platforms. Topics include managing file systems, applications and roles, network configurations, and the use of administrative tools and the control panel. Students will learn about command line processing, user accounts and permissions, and system security. Students who successfully complete the program can use the skills learned in a variety of industries and jobs including network and computer systems administrator, computer user support specialist and computer operator. This program also serves as a foundation for additional training in information technology.

**Orientation and Enrollment**

Students must attend an Orientation and Educational Planning session to enroll in the courses listed below. To learn more and sign up for an orientation, visit [https://sdcce.edu/job-training/information-technology](https://sdcce.edu/job-training/information-technology)
The Gas Metal and Flux Cored Arc Welding Program is designed to provide instruction and practical application of occupational knowledge skills in the welding industry and to provide students with a working knowledge of the tools, materials, systems, installation methods, and codes associated with the modern welding trade. The open-entry/open-exit program requires completion of INDT 605 and INDT 606. These courses include instruction in safety, equipment, measuring tools, ferrous and non-ferrous materials, print reading, material cutting and preparation, gas metal arc welding and flux cored arc welding practices and procedures. Integrated throughout the course are career preparation standards, which include communication, interpersonal skills, problem solving, safety, technology, and other employment skills. Students who successfully complete the program will be qualified for entry-level positions in the welding trade. Jobs in the field include entry-level positions in welding, manufacturing, and construction.

**Required Courses**
- INDT 605  Gas Metal Arc Welding
- INDT 606  Flux Cored Arc Welding

The Gas Tungsten Arc Welding (GTAW) Program is designed to provide instruction and practical application of occupational knowledge skills in the welding industry and to provide students with a working knowledge of the tools, equipment, materials, and codes associated with the modern welding trade. The open-entry/open-exit program requires completion of INDT 621 and INDT 622. These courses include instruction in safety, equipment, measuring tools, ferrous and non-ferrous materials, print reading, material cutting and preparation, and gas tungsten arc welding practices and procedures. Integrated throughout the course are career preparation standards, which include communication, interpersonal skills, problem solving, safety, technology, and other employment skills. Students who successfully complete the program will be qualified for entry-level positions in the welding trade. Jobs in the field include entry-level positions in welding, manufacturing, and construction.

**Required Courses**
- INDT 621  Gas Tungsten Arc Welding I
- INDT 622  Gas Tungsten Arc Welding II

The Graphic Reproduction program consists of two courses, Electronic Prepress Operations and Commercial Printing Operations. Either course can be completed in approximately 7 months.

These courses are designed to prepare individuals for employment with entry-level skills in the
printing and graphics industry. As part of their training, students have the opportunity to work in a real-world environment, producing actual projects for the district and non-profit organizations. This provides students with realistic production experience as they prepare to enter the graphics industry.

**Students learn a variety of skills**
Safety procedures, stocks and materials, bidding and estimating, work orders, layout, platemaking/CTP, use of bindery equipment, and working with clients are included in both courses as they relate to the primary instructional area. Workplace skills including math, communications, and business ethics are integrated into the curriculum. All students prepare a portfolio of their completed work.

**Commercial Printing** students will learn to set up, operate, and perform basic maintenance on various types of offset presses and supporting equipment. They will also learn supportive skills in prepress operations and basic computer literacy.

Students receiving a Certificate of Course Completion for Commercial Printing will be prepared for entry-level employment in the graphics industry, for positions such as small and medium press operator, large press feeder, bookmaker operator, cutter operator, folder operator, platemaker/CTP, proofer, or small bindery machine operator.

**Electronic Prepress** students will learn to prepare digital prepress files using industry-standard software and hardware. Students also learn supportive skills in related printing operations.

Students receiving a Certificate of Course Completion for Electronic Prepress will be prepared for entry-level employment in the graphics industry, for positions such as electronic prepress technician, scanner operator, platemaker/CTP, proofer, bookmaker operator, cutter operator, folder operator, or small bindery machine operator.

**Required Courses**
- ARTC 517  Electronic Prepress Operations
- ARTC 518  Commercial Printing Operations

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**Certificate of Completion: Inspection and Vehicle Preparation Technician**

This certificate of completion is designed to provide the student with an understanding of the basic automotive components, tools and safety procedures commonly used in the industry. In addition, the student will receive instruction in automotive quick servicing inclusive of new and used vehicle inspections, preparing estimates, changing fluids and filters, proper hazardous waste disposal, minor electrical repairs, and road testing techniques. Students will also learn how to inspect and evaluate vehicle systems to determine if advanced levels of repairs are needed.

**Required Courses**
- AUTO 600  Quick Service Lube, Pre-delivery Inspection Technician
- AUTO 601  Automotive Introductory and Safety

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**Certificate of Completion: Metal Fabrication**

The Metal Fabrication Program is designed to provide instruction and practical application of occupational knowledge skills in the metal fabrication industry and to provide students with a working knowledge of the tools, equipment, materials and codes associated with the modern metal fabrication trade. The open-entry/open-exit program requires completion of INDT 631 and INDT 632. These courses include instruction in the reading and interpreting of prints, the use of measuring tools, set-up and the use shop equipment, perform layout, perform oxy-fuel and plasma cutting, and the fitting of ferrous and non-ferrous metal items using hydraulic tools, pneumatic tools and hand tools with precision using recognized safety standards. It also incorporates safety, equipment, measuring
tools, material types and characteristics, and metal preparation. Integrated throughout the course are career preparation standards, which include communication, interpersonal skills, problem solving, safety, technology, and other employment skills. Students who successfully complete the program will be qualified for entry-level positions in the metal fabrication trade. Jobs in the field include entry-level positions in welding, fabrication, manufacturing and construction.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDT 631</td>
<td>Metal Fabrication I</td>
</tr>
<tr>
<td>INDT 632</td>
<td>Metal Fabrication II</td>
</tr>
</tbody>
</table>

**Certificate of Completion: Pipe Welding**

The Pipe Welding Program is designed to provide instruction and practical application of occupational knowledge skills in the pipe welding industry and to provide students with a working knowledge of the tools, equipment, materials and codes associated with the modern welding trade. The open-entry/open-exit program requires completion of INDT 611 and INDT 612. These courses include instruction in safety, equipment, measuring tools, ferrous materials, print reading, material cutting and preparation, shielded metal arc welding practices and procedures utilized on tubes and pipes. Integrated throughout the course are career preparation standards, which include communication, interpersonal skills, problem solving, safety, technology, and other employment skills. Students who successfully complete the program will be qualified for entry-level positions in the pipe welding trade. Jobs in the field include entry-level positions in pipe welding, manufacturing, and construction.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>INDT 611</td>
<td>Pipe Welding I</td>
</tr>
<tr>
<td>INDT 612</td>
<td>Pipe Welding II</td>
</tr>
</tbody>
</table>

**Certificate of Completion: Plumbing**

The Plumbing Program is designed to provide instruction and practical application of occupational knowledge skills in the plumbing industry and to provide students with a working knowledge of the tools, materials, systems, installation methods, and codes associated with the modern plumbing trade. The open-entry/open-exit program requires completion of MECT 421, MECT 422, and MECT 423. These courses include instruction in source determination, water distribution, waste removal, pressure adjustment, basic physics, technical mathematics, blueprint reading, pipe installation, pumps, welding and soldering, plumbing inspection, and applicable codes and standards. Integrated throughout the course are career preparation standards, which include communication, interpersonal skills, problem solving, safety, technology, and other employment skills. Students who successfully complete the program will be qualified for entry-level positions in the plumbing trade. Jobs in the field include plumber, estimator, pipe fitter and plumber apprentice.

**Orientation and Enrollment**

To register for the orientation call the counseling office at West City, 619-388-1873.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>MECT 421</td>
<td>Plumbing I</td>
</tr>
<tr>
<td>MECT 422</td>
<td>Plumbing II</td>
</tr>
<tr>
<td>MECT 423</td>
<td>Plumbing III</td>
</tr>
</tbody>
</table>

**Certificate of Completion: Shielded Metal Arc Welding**

The Shielded Metal Arc Welding Program is designed to provide instruction and practical application of occupational knowledge skills in the welding industry and to provide students with a working knowledge of the tools, equipment, materials and codes associated with the modern welding trade. The open-entry/open-exit program requires completion of INDT 601 and INDT 602. These courses include instruction in safety, equipment, measuring tools, ferrous materials, print reading, material cutting and preparation, shielded metal arc welding practices and procedures utilizing steel plates and shapes. Integrated throughout the course are career preparation standards, which include communication, interpersonal skills, problem solving, safety, technology, and other employment skills. Students who successfully complete the program will be qualified for entry-level positions in the welding trade. Jobs in the field include entry-level positions in welding, manufacturing, and construction.

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>INDT 601</td>
<td>Shielded Metal Arc Welding I</td>
</tr>
<tr>
<td>INDT 602</td>
<td>Shielded Metal Arc Welding II</td>
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</tbody>
</table>
Course Descriptions
General Course Information

Not all courses listed will be offered each semester, and San Diego College of Continuing Education reserves the right to cancel any course if enrollment in such course is below a minimum number as set by the San Diego Community College District Board of Trustees.

Noncredit Courses (Non-Fee)

Noncredit instruction is one of several education options offered within the California Community College System. It offers students access to a variety of low- and no-cost courses that can assist them in reaching their personal and professional goals. Noncredit courses are intended to provide students with lifelong learning, college transfer and career preparation opportunities. Although students may not need or desire unit credit, noncredit often serves as a first point of entry for many underserved students as well as a transition point to credit instruction.

Noncredit courses are classified into ten legislated instructional areas. The placement of a course in a given instructional area is driven by the course objectives and the target population to be served.

Community Education Courses (Fee)

Community education classes are intended to meet expressed community needs and interests. These classes are fee-based and self-supporting. A variety of topics may be offered through the Community Education instructional program. Most classes are short-term and frequently take the form of workshops.

Field Trip (FT)

A field trip may be required for this course. Detailed information will be provided by the instructor.

Older Adult (OA)

Instruction is specially designed for adults age 55 and older.

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### Adult Basic Education (ABED)

#### Arithmetic Review

**ABED 414**  
Review of basic arithmetic skills, stressing mastery of the four fundamental operations with whole numbers, introduction to fractions, decimals, and common measures, and solving everyday arithmetic problems. (FT)  
*Alternate Title(s):* Consumer Computation Skills

#### Basic Education, Language Arts, Beginning Level

**ABED 441**  
This course introduces and reviews language arts basic skills at the beginning level (0-3.9). The focus is on reading, language arts, communication, and critical thinking needed to function in society. Upon completion and demonstration of competence, students may continue basic skill instruction at the intermediate level (4.0-8.9) or enroll in a vocational training class. (FT)

#### Basic Education, Math, Beginning Level

**ABED 443**  
This course introduces and reviews basic math skills at the beginning level (0-3.9), including critical thinking needed to function in society. Upon completion and demonstration of competence, students may continue basic skills instruction at the intermediate level (4.0-8.9) or enroll in a vocational training class. (FT)

#### College Preparatory English

**ABED 420**  
This course is designed to assist students in developing the listening, speaking, reading, and writing skills necessary to function effectively in college level English courses. The course also stresses development of study skills such as taking notes, using a dictionary, and taking standardized English placement tests, and other reference materials. (FT)
English Review for the CBEST  ABED 425  Non-Fee
This course is designed to aid students in passing the California Basic Educational Skills Test (CBEST). This test is required by the state of California for all K-12 instructors. Covers the areas of advanced spelling, advanced vocabulary, style and techniques in writing of formal composition. The student will learn to organize materials effectively toward a given purpose and develop facility in evaluating various kinds of language performance. (FT)

Math Review for the CBEST  ABED 426  Non-Fee
An applied course in mathematics to sharpen the basic skills of students through a careful and guided study of the fundamental properties of real numbers, English and metric measurement, geometry, statistics, tables and graphs and elementary algebra. Throughout the course concepts and computational skills are developed around vocational and consumer applications. This course is especially recommended for students who plan no further course work in mathematics. (FT)

Pre-Vocational ABE  ABED 430  Non-Fee
This course is designed to develop basic skills and content knowledge skills related to the world of work: interpersonal, speaking, listening, vocabulary, reading, writing, use of technology, critical thinking, problem solving, career planning and advancement, cross cultural understanding and mathematics. Upon successful completion of this course, students are ready to enter job training courses. A competency is considered attained when a student can demonstrate that competency with 80% accuracy orally, in writing or by actual performance. (FT)

Reading 1 & 2  ABED 416  Non-Fee
For students who need to improve their reading ability for academic and vocational purposes. (FT)

Reading Development  ABED 418  Non-Fee
Stresses the development of the basic reading skills needed to function effectively in everyday life. Utilizes a self-paced approach based on each individual student's needs to acquire specific skills in the areas of word recognition, comprehension and interpretation of relevant information from print. (FT)

Alternate Title(s): Reading Development-Bilingual

Supervised Tutoring  ABED 445  Non-Fee
This is a tutoring lab. The course is designed to prepare students to succeed in a corequisite course and subsequent subject matter courses. This course may be taken with different corequisite subject matter courses. (FT)

Accounting (ACCT)

Accounting-Beginning  ACCT 511  Non-Fee
An introductory course that will prepare the student for entry level employment as an accounting clerk and/or a basis for the further study of accounting. The course includes basic accounting/bookkeeping theory, procedures, and terminology. The accounting cycle is presented in a logical sequence with an introduction to business transactions, general journals, and automated accounting. (FT)

Accounting-Intermediate  ACCT 512  Non-Fee
Advisory: Successful completion of Accounting 511, Accounting-Beginning or equivalent. This course includes intermediate accounting/bookkeeping theory, procedures, terminology, and will lead to entry level employment as an accounting clerk and/or a basis for the further study of accounting. Topics addressed include specialized journals, accounts receivable/payable, payroll, bad debts, notes and interest, depreciation, inventory. (FT)

Accounting Technician  ACCT 503  Non-Fee
This is an introductory course that will prepare the student for entry-level employment in the bookkeeping/accounting field. The course includes bookkeeping theory, procedures, terminology, and the basic accounting cycle with an introduction to business transactions, general journals, and automated accounting. (FT)

Computerized Accounting  ACCT 502  Non-Fee
Advisory: Successful completion of Accounting 512, (Accounting-Intermediate) or equivalent. The course is designed to incorporate manual accounting knowledge and apply it to computerized accounting by balancing "real world" tasks with
hands-on computer activities. The course provides a practical method of processing basic accounting transactions, receivables and payables, general ledger, payroll, and inventory management. (FT)

**Save Time/Money in Travel**

ACCT 535  
Fee

Covers specifics involved in selection of travel planning to various locations. Designed for personnel to acquire the basic skills of planning and record keeping necessary for tax advantageous travel. (FT)

**Agriculture (AGRI)**

**Gardening**

AGRI 690  
Fee

This course is designed to teach indoor and outdoor household gardening and creative plant use. It may include aspects of planting, transplanting, soil preparation, ornamental planting techniques and tips; and container selection, preparation and embellishment. (FT)  
Alternate Title(s): Container Gardening; Herb Gardening; House Plants; Orchids; Raising African Violets

**Landscape Construction-Basic**

AGRI 600  
Non-Fee

This is an open-entry/open-exit modular course in the entry level skills required for employment in the Landscape industry. The course includes instruction in safety procedures and proper use of hand and power tools; practice in fencing, carpentry, masonry, concrete, irrigation, plant ID, turf culture, elementary soil testing, plan reading, estimating and job readiness. Associate Degree Credit is available upon petition. (FT)

**Landscape Construction-ADV**

AGRI 603  
Non-Fee

Advisory: Successful completion of Landscape Construction-Basic, (AGRI 600). This is a modular course in the supervisory level skills required for employment in the Landscape Industry. This course includes instruction in safety procedures and proper use of hand and power tools and equipment; preparation for taking California Landscape Contractor and Pest Applicator exams; soil/water testing and reporting; computer assisted drafting; xeriscaping; meeting bond and insurance requirements. (FT)

**Applied Design (APLD)**

**Copper Enameling**

APLD 509  
Fee

Learn the techniques and skills required to enamel. Create works of art. Learn color, design and craftsmanship. Develop an appreciation and understanding of the art of enameling. Master known techniques; explore new medias. (FT)

**Jewelry Making 1-3**

APLD 524  
Fee

Make your own jewelry. Become a skilled craftsman and design your own. Create jewelry from silver, gold, copper and brass. Make rings, bracelets, chains, pendants. Show off your work to anyone you can. Be proud! You did it! (FT)  
Alternate Title(s): Studio Lab Jewelry

**Commercial Art (ARTC)**

**Commercial Printing Operations**

ARTC 518  
Non- Fee

An open entry/open-exit modular course preparing students for entry-level employment in the graphics industry as a small press operator, large press feeder, booklet maker operator, cutter operator, folder operator, platemaker/CTP, proofer, or small bindery machine operator, with supportive skills in prepress operations. Students work in a real-world environment. Course includes safety procedures, stocks and materials, bidding and estimating, work orders, use of layout tools and basic computer literacy. Students prepare a portfolio of completed assignments. (FT)

**Electronic Prepress Operations**

ARTC 517  
Non- Fee

An open entry/open-exit modular course preparing individuals for entry-level employment in the graphics industry as an electronic prepress technician, scanner operator, platemaker/CTP, proofer, or bindery operator, with supportive skills in related printing operations. Students work in a real-world environment. Course includes safety procedures, stocks and materials, bidding and estimating, work orders, preparing digital files using industry-standard software and hardware, layout, and use of bindery equipment. Students prepare a portfolio of completed assignments. (FT)
Art Theory (ARTS)

Art Appreciation–OA ARTS 507 Non-Fee
This course teaches older adults the history, styles and evolution of art through the ages. The primary focus of this course will be how artists have depicted life and our environment through various visual mediums including, but not limited to, drawing, painting and sculpture. It is oriented to older adult students who would like to familiarize themselves with the different types of art and to gain a deeper understanding of art. (FT)

Arts Experimental (ARTX)

Arts and Music ARTX 690 Fee
This course is designed to teach a variety of art and/or music topics from appreciation to application. Some courses may be presented in a lecture format, others may be laboratory classes where students explore, perform, apply, create or practice arts and musical experiences first hand. (FT)
Alternate Title(s): Art Appreciation; Chorus; Drama; Jewelry Making; Music Appreciation; Photography; Swing Band; Woodworking

Drawing and Painting 1-2 – OA ARTX 515 Non-Fee
This course offers the older adult student an opportunity to explore individual creativity as an approach to self-expression and problem solving through the media of drawing and/or painting. The course will include a basic study of materials, tools, and techniques, both traditional and contemporary. This course is noncompetitive and individually paced. (FT)
Alternate Title(s): Observation Painting, Portrait and Figure Study; Landscape Drawing On Location; Figure And Still Life Drawing, Life Drawing & Painting; Asian Brush Painting; Sumi-E & Japanese Classical Art, Painting w/ Color & Mixed Media; The Magic Pastels; Watercolor Painting; Oil or Acrylic Painting

Introductory Ceramics–OA ARTX 548 Non-Fee
This course is an introduction to fundamental ceramics skills, designs, and history. There will be hands on experience for the students to practice the ceramic techniques in the design and production of the three basic simple clay forms using various construction methods and glazing techniques. The course includes instruction in safety procedures, proper use and cleanup of hand tools and lab equipment. (FT)

Landscape Painting–OA ARTX 530 Non-Fee
The purpose of this course is to teach older students the process of picture making as it is specifically related to landscape painting. The student will work directly from nature using the fundamentals of sketching, oil painting, landscape composition and color relationships. (FT)

Pottery Beginning-Intermediate ARTX 564 Fee
Learn the basic pottery skills: throwing on the Potter’s wheel, hand building, decorating, glazing, slip mold casting and Raku techniques. Design your own pottery and be creative! (FT)

Automotive Technology (AUTO)

Advanced Driveability & Performance AUTO 507B Non-Fee
Advisory: Valid California Drivers License required to operate vehicles and for employment. Completion of Auto 507A recommended. This course prepares students for basic entry level employment as a driveability and performance technician. Topics include analysis, diagnosis and troubleshooting techniques required to repair computer controlled automotive engine management systems; basic scan tool usage and interpretation; exhaust gas analysis and other related areas. This course will prepare the student for the ASE 8 certification examination. (FT)

Auto Body and Paint Technician AUTO 411 Non-Fee
This open-entry/open-exit course is designed to teach skills required for entry-level employment in auto body/collision repair and related industries. This
Automotive Technology (AUTO)

Automotive Technology (AUTO) course includes guided practice in a simulated work environment, in sanding, masking, collision repair, and glass installation. Class instruction is based on standards developed by the National Automotive Technicians Education Foundation (NATEF) and the Inter-Industry Conference on Auto Collision Repair (ICAR). (FT)

Alternate Title(s): Auto Body/Collision Repair

Auto Body Refinishing Tech AUTO 411A Non-Fee

This open-entry/open-exit certified training course is designed to teach skills required for entry-level employment in auto body refinishing and related industries. This course includes guided practice in a simulated work environment, in sanding, masking, detailing, spot painting, and complete body painting. Course competencies are based on standards developed by the National Automotive Technicians Education Foundation (NATEF) and the Inter-Industry Conference on Auto Collision Repair standards (I-CAR). (FT)

Auto Technology & Safety Intro AUTO 501 Non-Fee

This course is intended to be an overview of the automobile industry and preventative maintenance services. Students will acquire a basic understanding of how the major automotive systems work and interrelate. Associate Degree Credit is available upon petition to the Miramar College Automotive Technology program. (FT)

Automotive Fundamentals AUTO 601 Non-Fee

Advisory: Valid California Driver’s License. This course provides students with an overview of the automotive industry and a basic understanding of how each system within an automobile works. Students learn how to operate basic hand, power, and lifting tools as well as the major measuring instruments and devices used by automotive technicians. This course is intended as a first course for automotive students or as a basic core course for the entire automotive program. (FT)

Automotive Services AUTO 420 Fee

Designed to offer a general overview of the major systems of the automobile. Includes preventive maintenance techniques, consumer information, minor tune-ups using electronic equipment, brake inspection and repair and lubrication. (FT)

Alternate Title(s): Automotive Services-Diesel; Automotive Services-Gas Engine; Tune Your Own Car

Automotive Technician AUTO 507 Non-Fee

Advisory: Valid California Drivers License required to operate vehicles and for employment. The course includes instruction in safety procedures; proper use of hand tools and equipment; and diagnosing and repairing malfunctions in vehicle drivetrain, front suspension and brake systems to NATEF standards A4 and A5. This is an articulated course with the Miramar College automotive program – college credit may be awarded. (FT)

Alternate Title(s): Brakes, Suspension & Driveline

Automotive Upholstery AUTO 415 Non-Fee

Advisory: HMID 534, Basic Upholstery Skills. This is an open-entry/open-exit, competency based course providing training and hands-on experience for entry-level employment in the auto trim and related industries. Practical instruction is conducted in a real world business environment with tools and equipment used in the industry today. Competency standards are approved by the industry advisory board. (FT)

Basic Upholstery Skills AUTO 414 Non-Fee

This is an open-entry/open-exit, competency based course providing training and hands-on experience for entry-level employment in the automotive, furniture and related upholstery industries. Practical instruction is conducted in a real world business environment with tools and equipment used in the industry today. Competency standards are approved by the industry advisory board. (FT)

Engine/Electrical/Performance AUTO 507A Non-Fee

Advisory: Valid California Drivers License required to operate vehicles and for employment. The course includes instruction in safety procedures and the proper use of hand tools and equipment; and maintaining, diagnosing and repairing malfunctions in the gasoline engine and its electrical and fuel systems to NATEF standards A1 and A6. This course is articulated with the Miramar College automotive program – college credit may be awarded. (FT)

Alternate Title(s): Engine/Electrical/Maintenance
Fleet Service Technician  AUTO 509  Non-Fee

Advisory: California Driver’s License.
This is an open-entry/open-exit course designed to prepare students for employment as a fleet service technician. Instruction includes; safety procedures; vehicle maintenance; engine theory and minor repair; introduction to electrical systems; braking system service; front and rear suspensions; fuel delivery systems; tune up and driveability; introduction to transmission and driveline components. Instruction will take place in a simulated work environment and where appropriate, instructions will meet National Automotive Technician Education Foundation Standards. (FT)

Service Advisor I  AUTO 508  Non-Fee

Advisory: Valid California Driver’s License required to operate vehicles in class and for employment. This course provides the student with the basic automotive technology knowledge and skills required for employment as a service advisor for both small and large independent garages and dealerships. Students will learn the different automotive parts, components, major assemblies, vehicle systems and how they function and the required maintenance. Topics also include safety, work ethics, service facilities and federal, state and local laws as they apply to the automotive industry. (FT)

Service Advisor II  AUTO 508A  Non-Fee

Advisory: Valid California Driver’s License required to operate vehicles in class and for employment. This course provides the student with the skills required for employment as a service advisor. Students will learn about customer service, writing an initial repair order estimating parts and labor costs and how to revise repair estimates in accordance with California State law. Topics also include communications, customer relations, manufacture warranty policies and procedures, returning the vehicle to the customer and follow-up. (FT)

Quick Service Lube, Pre-Delivery Inspection Technician  AUTO 600  Non-Fee

Advisory: Valid California Driver’s License.
This course provides students with an overview of automotive quick services and new/used vehicle preparation. It covers vehicle inspections, preparing estimates, changing fluids and filters, proper hazardous waste disposal, minor electrical repairs, and road-testing techniques. Students learn how to inspect and evaluate vehicle systems to determine if advanced levels of repairs are needed. They also learn how to identify and operate necessary equipment and tools. (FT)

Biological Sciences (BIOL)

Life Science 1-2  BIOL 540  Non-Fee/High School Credit Only
A theory course in first year biology. (FT)

Business Management (BUSN)

Adv. Technical Writing/Editing  BUSN 552  Non-Fee

Advisory: Intro to Technical Writing or equivalent. This course covers writing and editing skills required as a foundation for learning and practicing the specific applications and disciplines of professional technical writing. Student’s writing and editing practices will result in one or more concise, coherent, logical technical products suitable for professional use or publications. (FT)

Basic Supervision  BUSN 530  Non-Fee

Introduces basic principles which assist the supervisor in increasing productivity, supervising the working climate, employee relationships and the process of utilizing resources. Also presents techniques to assist the supervisor in employee appraisal, communication skills, group dynamics and the development of an incentive system to foster a creative work environment. (FT)

Basics of Loan Processing  BUSN 615  Non-Fee

This course will provide students with basic competencies in the area of loan processing. The course includes entry-level skills in areas such as customer service, loan applications, finance calculations and the mortgage process. (FT)
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Code</th>
<th>Fee</th>
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<tbody>
<tr>
<td>Business on the Internet</td>
<td>BUSN 600</td>
<td>Non-Fee</td>
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<tr>
<td>This course provides a basic familiarity with the</td>
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<td>business, organizational, and technological issues</td>
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<td>involved in transacting business on the Web.</td>
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<td>Through real-life business scenarios, case studies and</td>
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<td>hands-on exercises, students learn the structures,</td>
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<td>issues and trends in electronic commerce. (FT)</td>
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<tr>
<td>Business Sales Training</td>
<td>BUSN 641</td>
<td>Non-Fee</td>
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<td>This course provides students with practical skills</td>
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<td>training used by entrepreneurs, sales professionals,</td>
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<tr>
<td>customer service representatives, administrators,</td>
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<td>and office administration assistants in today's sales</td>
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<td>occupations. This course covers the following topics:</td>
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<td>effective listening, communicating, presenting,</td>
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<td>speaking, organizing, developing professional</td>
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<td>confidence, and handling failure as a pathway to</td>
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<td>success. The course will be completed by performing</td>
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<td>activities that develop the students' sales knowledge</td>
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<td>and skills and will be presented as both oral and</td>
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<td>written presentations. This course may be offered in</td>
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<tr>
<td>a distance-learning format. (FT)</td>
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<tr>
<td>Alternative Title(s): Essential Sales Skills, Selling</td>
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<td>for Entrepreneurs, Selling for Small Business</td>
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<tr>
<td>Buying a Business or Franchise</td>
<td>BUSN 541</td>
<td>Non-Fee</td>
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<tr>
<td>This course covers guidelines for buying an existing</td>
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<tr>
<td>business or franchise and includes legal, financial,</td>
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<td>personnel, and tax considerations; valuation</td>
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<td>techniques; effective negotiations; necessary forms</td>
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<td>and documents; and the importance of professional</td>
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<tr>
<td>advisors. (FT)</td>
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<tr>
<td>Customer Relationship Management</td>
<td>BUSN 640</td>
<td>Non-Fee</td>
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<tr>
<td>This course provides students with training in the</td>
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<td>technical and problem-solving skills used by sales</td>
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<td>professionals, customer service representatives,</td>
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<td>administrators, and office administration assistants</td>
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<td>in current customer relationship management (CRM)</td>
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<td>systems. This is a hands-on project-based course</td>
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<tr>
<td>covering the following topics: overview of CRM, the</td>
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<td>current job market for professionals skilled in</td>
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<td>using CRM, how to create a CRM system, input and</td>
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<td>editing of customer data, how to create reports and</td>
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<td>marketing materials from the CRM, and the basics of</td>
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<td>how to manage a team using a shared CRM system. Students</td>
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<td>who successfully complete the course will be able to</td>
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<td>launch and manage a CRM system for a small business or</td>
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<td>be able to utilize a CRM in a professional sales</td>
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<td>position This course will cover one software currently</td>
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<td>in demand. This course may be offered in a distance-</td>
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<td>learning format. (FT)</td>
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<tr>
<td>Alternative Title(s): CRM Systems, Salesforce CRM</td>
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<td>System, Hubspot CRM System, Modern CRM Systems</td>
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<tr>
<td>Developing a Business Plan</td>
<td>BUSN 545</td>
<td>Non-Fee</td>
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<td>This course provides students with practical skills</td>
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<td>training used by entrepreneurs, sales professionals,</td>
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<td>customer service representatives, administrators,</td>
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<td>and office administration assistants in today's sales</td>
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<td>occupations. This course covers all aspects of developing</td>
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<td>a comprehensive business plan, including the elements</td>
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<td>of a winning business plan, structure, format, content,</td>
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<td>and appearance. Emphasis is placed on critical</td>
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<td>evaluation of sample business plans as well as student</td>
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<td>completion of a business plan for their specific area of</td>
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<td>interest. (FT)</td>
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<tr>
<td>Legal Issues on the Internet</td>
<td>BUSN 603</td>
<td>Non-Fee</td>
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<tr>
<td>This course introduces the fundamentals of electronic</td>
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<td>commerce legal issues. Through theory and hands on</td>
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<td>application, students will receive an overview of the</td>
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<td>rights and liability issues faced by Web</td>
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<td>businesses and users. (FT)</td>
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<tr>
<td>Legal/Tax/Ins. for Small Bus.</td>
<td>BUSN 542</td>
<td>Non-Fee</td>
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<tr>
<td>This course examines legal and regulatory start-up</td>
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<td>steps; choosing the proper business entity; legal</td>
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<td>considerations such as contracts, trademarks, leases;</td>
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<td>tax considerations such as income, payroll, sales,</td>
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<td>property taxes; identifying professional advisors and/or</td>
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<td>resources and records required; insurance considerations</td>
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<td>for the small business owner; evaluating the risks and</td>
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<td>selecting the risks to be insured. (FT)</td>
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<td>Management Dynamics</td>
<td>BUSN 520</td>
<td>Non-Fee</td>
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<td>This is a practical training course that spells out in</td>
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<td>step-by-step detail the functions of business and the</td>
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<td>desired behavior patterns required of supervisors,</td>
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<td>managers, administrators, and self-employed. The</td>
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<td>student will analyze his/her own personal and technical</td>
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<td>competencies and receive help in strengthening weak</td>
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<td>areas. The course includes the process of forecasting</td>
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<td>economic trends, procedures of investigating a</td>
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<td>franchise, developing expertise in hiring employees,</td>
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<td>implementing employee training and public relations</td>
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<td>programs. (FT)</td>
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Marketing for Small Business  BUSN 543  Non-Fee

This course is designed to provide the small business owner with the necessary skills to market their product or service as well as to develop the marketing section of a comprehensive business plan for their business. Emphasis will be placed on conducting market research; identifying and segmenting profitable target markets; creating an effective marketing mix; critically evaluating sample marketing plans; and developing a comprehensive marketing plan. (FT)

Project Management I  BUSN 621  Non-Fee

This course provides an introduction and overview of the fundamental aspects of project planning and management in business including defining and managing a project. Topics follow the Project Life Cycle model as the framing project management concept and include an introduction to Microsoft Project or equivalent software. Course content includes exploring the use of projects to accomplish an objective, consideration of the key process steps such as alternatives to consider, selection of solution, implementation and closure. (FT)

Project Management II  BUSN 622  Non-Fee

Advisory: Successful completion of BUSN 621 Project Management I.

This course provides instruction in intermediate and advanced project management concepts and tools in business. Topics include project requirements, project planning, and assessing overall project status vs. the plan. Advanced concepts in building effective teams, problem solving, decision making, use of creativity and emerging trends in project management are also taught. The course culminates in a capstone project which includes the proposal, implementation and presentation of a project. (FT)

Project Management III  BUSN 623  Non-Fee

Advisory: Successful completion of BUSN 621 Project Management I and BUSN 622 Project Management II, or equivalent.

This course provides instruction in intermediate and advanced project concepts and tools that are not covered in the Project Management I and Project Management II courses. Topics include project cost management, project governance, project procurement management, project quality management, and project stakeholder management. Advanced concepts in the iterative project management tool Agile, project management leadership and communication competencies are also taught. The topics are interconnected via the project life cycle framework and the development and presentation of a project by the course students. (FT)

Alternate Title(s): Advanced Project Management

Recordkeeping for a Small Bus.  BUSN 544  Non-Fee

Recordkeeping is the primary means of determining the success of a small business. Because good recordkeeping is so essential, this course covers financial start-up considerations; the business financial plan; introduction to accounting; financial statement analysis; recordkeeping systems; and budgeting and cash flow. Emphasis is placed on critical analysis of sample financial statements and business financial plans and development of a sound financial plan for a small business. (FT)

Small Business Essentials  BUSN 630  Non-Fee

This course provides students with the principles, practices, strategies, and requirements needed to form and manage a small business. Students will learn about establishing online, home-based, mobile and commercially zoned small businesses. Topics include legal forms of organization, hiring employees, financial issues, establishing credit, securing loans, developing sales and marketing strategies and legal issues. Students will learn how to identify and analyze personal and business skills necessary to start a small business. (FT)

Small Business Management  BUSN 510  Non-Fee

This is a preliminary course for anyone interested in establishing and operating a small business. Each week key elements of business organization are presented to inspire confidence along your pathway to success. (FT)

Small Business Marketing  BUSN 634  Non-Fee

This course provides students with the marketing principles, practices and strategies needed to grow an existing small business. Students will learn about market research, product, distribution, promotion and pricing tactics used to increase profits. Topics include advertising, public relations, social media...
and product development. Students will learn how to understand marketing fundamentals and select strategies for small business growth. (FT)

**Small Business Planning**  
**BUSN 631**  
Non-Fee  
This course includes preplanning, strategizing, organizing, developing and writing a small business plan. Students will develop a personal vision statement and create a business concept that aligns with their plan. The course also includes management and organization, marketing strategies, financials and exit strategies. (FT)

**Small Business Sales**  
**BUSN 633**  
Non-Fee  
This course provides students with trust-based sales strategies needed to grow an existing small business. Students will learn about building trust with customers, sales ethics, understanding buyers and developing a sales team that are fundamental to increase profits. Topics include customer relationship management, sales prospecting, developing presentations and creating mutual opportunities. Students will learn sales fundamentals and select strategies to promote small business growth. (FT)

**Small Business Skills**  
**BUSN 632**  
Non-Fee  
This course provides students with the business practice and skills needed to grow an existing small business. Students will learn the roles of the entrepreneur, goal setting, communication best practices, negotiation skills and business processes to increase profits and manage a growing business. Topics include developing a vision statement, establishing a healthy business and personal lifestyle, time management, effective delegation techniques and redesigning business processes. (FT)

**Starting Your Own Business**  
**BUSN 540**  
Non-Fee  
This is a preliminary course for anyone interested in establishing a small business. Emphasis is given to starting home-based businesses, as well as businesses in commercial space. The course will acquaint students with the characteristics of a successful entrepreneur; pros and cons of business ownership; start-up considerations; capital needs and sources of financing; personnel considerations; legal forms of ownership; elements of a comprehensive business plan; and available resources. (FT)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Code</th>
<th>Fee/Non-Fee</th>
<th>Description</th>
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<tr>
<td><strong>Consumer Education Management of Resources (CEMR)</strong></td>
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| **Consumer Education** | **CEMR 500** | **Non-Fee** | A course designed to develop the student's skills in decision-making, goal setting, and evaluation as they relate to the consumer's role in the marketplace. Emphasis is placed on consumer rights and responsibilities in a free-enterprise system. (FT)  
Alternate Title(s): Budget and Home Energy Mgt. |
| **Consumer Education** | **CEMR 690** | **Fee** | This course is designed to teach a variety of consumer education topics, which may include clothing and textiles, foods and nutrition, interior design, retirement activities, and family issues. (FT)  
Alternate Title(s): Cooking For Two; Family Dynamics; Interior Design; Machine Embroidery; Retirement Living; Sewing for The Home |
| **Consumer Education/Older Adult** | **CEMR 505** | **Non-Fee** | This course prepares students who are 55 years and older to make informed decisions concerning product purchases, accessing consumer services and goods, and evaluating sources of information online and in social media. Students participate in activities that promote cyber safety, effective and safe human interaction (face-to-face or online), and access to various resources to provide a satisfying lifestyle during senior years. This course is open to all adult students. (FT) |
| **Consumer Ed-Special Topics** | **CEMR 510** | **Non-Fee** | A course designed to deal with current problems and topics of special interest in consumer education and home economics. (FT)  
Alternate Title(s): Home Energy Clinic–OA |
| **Personal Economics** | **CEMR 525** | **Non-Fee** | A course designed to develop the student's skills in personal financial management. Emphasis is placed on long and short range financial planning, budgeting and taxes. (FT) |
Clothing and Textiles (CLTX)

Clothing 7 Occupation/Textile  CLTX 530  Non-Fee
The course is designed for the student desiring to acquire entry level skills for employment in the clothing production industry. Production techniques on construction and power equipment will be used in the classroom. Job preparation information will be included. (FT)
Alternate Title(s): Power Sewing

Contemporary Tailoring  CLTX 635  Non-Fee
Advisory: Sewing Fundamentals, equivalent experience or instructor's consent.
Traditional tailoring techniques using both couture and contemporary methods to achieve professional results. Time saving machine skills and new shaping fabrics are presented. (FT)
Alternate Title(s): Couture Tailoring; Machine Tailoring; Speed Tailoring; Tailoring for Working Women

Fashion Retail Basics  CLTX 671  Non-Fee
Advisory: Completion of Introduction to Fashion Industry or entry level experience in the fashion retail industry.
This course prepares students for entry-level employment in the fashion retail industry. Topics include sales techniques and customer service, types of fashion retailers, product identification and consumer behavior. Students will learn the importance of soft skills in the work environment, the characteristics of a successful sales associate and national retail certification opportunities. (FT)

Fundamentals of Pattern Making  CLTX 645  Non-Fee
This open-entry/open-exit course introduces the student to basic pattern making skills used to create apparel and costumes for clients, self, and family members. The course focuses on the development of garment patterns using one or more of the following methods: drafting, flat pattern manipulation, draping, and computer aided pattern making. Information on copying previously made garments will be included along with guidelines for the use of a croquis for garment design. (FT)
Alternate Title(s): Beginning Pattern Making; Garment Design

Intro to Fashion Industry  CLTX 670  Non-Fee
This course introduces students to the fashion industry and its employment opportunities. Students will learn about the fashion industry past and present, fashion retail segments and career opportunities. Topics include industry terminology, history from couture to ready-to-wear, major fashion industries, employability skills, and soft skills for the work environment. (FT)

Making Quilted Products  CLTX 665  Non-Fee
The student will learn to design and produce traditional and/or contemporary quilted products using hand and/or speed machine techniques. Instruction will focus on the planning and creative designing of quilted products along with skill building in pattern drafting, finishing, and in the use of new technologies such as computer generated designs. (FT)
Alternate Title(s): Contemporary Quilted Products; Quilted Clothing; Quilted Products for Today; Traditional Quilted Products

Millinery  CLTX 595  Fee
Course in millinery skills – fabric and style selection, hand sewing techniques, fit, embellishment, and other construction techniques; renovation and remodeling of previously used hats; skills and products can be used personally or for an income. (FT)

Sewing for the Home  CLTX 650  Non-Fee
Save money as you create a pleasant home environment. Learn professional construction techniques to sew household items for yourself or others. Draperies, curtains, sofa pillows, bed coverings, table linens, etc. may be included. (FT)

Sewing Fundamentals  CLTX 620  Non-Fee
Sewing Fundamentals emphasizes the development of basic sewing skills used to create apparel for individual clients, self, and family. This course focuses on pattern and fabric selection, basic construction techniques, pressing skills, and timesaving technologies and techniques. Selection, care and use of various types of sewing machines included. (FT)
Alternate Title(s): Apparel Construction1; Beginning Sewing; Sewing Fundamentals 1.
Sewing Fundamentals II  CLTX 625  Non-Fee

Advisory: Completion of Sewing Fundamentals CLTX 620 or Basic Clothing Construction Skills.
This course bridges the skills between the beginner and the professional sewer. Emphasis in the course is on the attainment of intermediate skills needed to create apparel and sewn products. Topics include elements of style, textile knowledge and identification, equipment, tools, fitting techniques and evaluation of apparel quality. Introduction of fashion industry concepts including green technology is included. (FT)

Alternate Title(s): Sew Like a Professional

Sewing Like a Professional  CLTX 630  Non-Fee

Advisory: Sewing Fundamentals or instructor consent.
Achieve professional standards of workmanship without complicated and unnecessary work. Gain confidence using new fabrics, different types of sewing machines, industrial techniques, and learn advanced skills that will add personal fit, distinctive details, and custom finishes to your sewn products. Emphasis on commercial, custom, and timesaving techniques. (FT)
Alternate Title(s): Sew Like a Pro

Sewn Product Business I  CLTX 651  Non-Fee

Advisory: Completion of Sewing Fundamentals course, instructor’s consent, written/practical exam, or recommendation from any Fashion Instructor. This course takes the student from sewn product concept to consumer. A feasibility plan will be created to see if the student’s entrepreneurial idea has merit as a sewn product business venture. Instruction in employment preparation for either the global sewn product industry or for starting a sewn product business venture will be included. (FT)
Alternate Title(s): Sewn Product Entrepreneurship; Sewn Products

Sewn Product Business II  CLTX 652  Non-Fee

Advisory: Completion of Sewing Fundamentals course, instructor’s consent, written/practical exam, or recommendation from any Fashion Instructor. This course is designed for the student to acquire entry level proficiency in a sewn product manufacturing and production environment. Production techniques on industrial and home sewing equipment will be used in the classroom. Instruction in employment preparation for either the global sewn product industry or for starting a sewn product business venture will be included. (FT)
Alternate Title(s): Sewn Product Production; Sewn Product Manufacturing

Sewn Product Business III  CLTX 653  Non-Fee

Advisory: Completion of Sewing Fundamentals course, instructor’s consent, written/practical exam, or recommendation from any Fashion Instructor. This course helps the student comprehend how to market sewn products to the consumer. A marketing plan will be created. Instruction in employment preparation for either the global sewn product industry or for starting a sewn product business venture will be included. (FT)
Alternate Title(s): Niche Sewn Product Marketing; Sewn Product Promotion

Textile Surface Design  CLTX 660  Non-Fee

Textile design using various techniques applicable in the production of wearing apparel and textile items for personal use, gifts, community service projects, and marketing. Creation of original designs encouraged. (FT)
Alternate Title(s): Textile Embellishment

Construction Blueprint Read I  CNCT 631  Non-Fee/Apprenticeship

Advisory: Registered as an apprentice in a state-approved apprenticeship program.
Course provides apprentices with basic project procedure, applications on different types of basic blueprints, knowledge of construction principles and related trade mathematics. (FT)

Construction Blueprint Read II  CNCT 632  Non-Fee/Apprenticeship

Advisory: Registered as an apprentice in a state-approved apprenticeship program.
Course provides apprentices with advanced reading of construction blueprints and specifications for commercial and industrial construction. The student will also learn to analyze measurements, blueprint symbology and building material specifications relating to construction. (FT)
Construction Mathematics II  
CNCT 642  
Non-Fee/Apprenticeship  
Advisory: Registered as an apprentice in a state-approved apprenticeship program.  
Course provides apprentices with application of advanced mathematical functions, standard units of measure, conversion of measurement from one type of unit to another (US Standard/Metric), and calculation of squares and square roots used in layouts as they relate to building construction. (FT)

Woodshop-Woodworking  
CNCT 525  
Fee  
Provides instruction in skills necessary to develop competence in woodworking on a non-vocational or vocational level. Includes shop safety, terminology, wood recognition and individual project construction. (FT)

Advanced Photo Processing  
COMM 652  
Non-Fee  
Advisory: COMM 650 Digital Photography and COMM 651 Photo Editing.  
This advanced photo processing course will assist participants with establishing a photo management system used by professional photographers that will accelerate the photo editing process for both RAW (digital negative) and Joint Photographic Experts Group (JPG) files. Advanced photo editing software tools will be used for non-destructive mass image editing, publishing and printing. (FT)

Computer Presentations  
COMM 614  
Non-Fee  
The course provides a hands-on approach to the steps in planning, organizing, creating, and delivering an effective presentation. The student will learn to combine "traditional" presentation skills with multimedia technology to create effective presentations using an application such as PowerPoint. (FT)

Digital Photography  
COMM 650  
Non-Fee  
This course is an introduction to the basic concepts of photography and digital camera operation. The focus is to provide the fundamentals of digital photography and covers how to use the features of a digital camera. Basic knowledge and skills to prepare a student for a career as a freelance photographer are provided. The focus is to provide the fundamentals of digital photography and covers how to use the features of a digital camera. (FT)

Emerging Topics-Communications  
COMM 699  
Non-Fee  
This course examines emerging topics and technologies in the field of Communications. May be offered for two semesters only. (FT)

Intro to Digital Design  
COMM 550  
Non-Fee  
This course provides an introduction and overview of the graphic communications industry and the qualifications necessary to match career opportunities. An emphasis will be placed on the basic knowledge required for advancement towards certificate and/or degree programs in visual communications or employment in related professional fields. Students will develop a professional portfolio to include but not limited to a resume and digital portfolio. Hands-on exercises in planning, designing, and creating computer-based digital media through various projects will be utilized during the course. (FT)

Modern Web Development Tools  
COMM 674  
Non-Fee  
Advisory: COMM 672 Web Programming: HTML and CSS; and COMM 673 User Interface Design.  
This course will teach students how to leverage the power of a variety of applications in order to create various web design/development deliverables. This course will show how students can save time and resources by creating deliverables that will aid in ensuring the end product is in line with all stakeholder’s vision. Topics include creating mood boards, wireframes, interactive prototypes, web comps and style guides. In addition, students will learn what web friendly image types are and how to create and optimize files in this format. (FT)

Motion Graphics  
COMM 667  
Non-Fee  
This course is designed to provide students with the foundational skills in order to apply knowledge of video composition, audio and motion graphics principles to perform basic or routine tasks involved in a motion graphics based editor. Students will learn basic design principles and best practices employed
in the audio and motion graphics industry. The course provides a hands-on approach to planning, designing and creating motion graphics for the development of a portfolio. (FT)

**Page Layout Design**  COMM 662  Non-Fee

Advisory: Successful completion of COMM 660 Visual Design and COMM 661 Vector Design. This course is designed to provide students with the foundational skills in order to learn the fundamentals of graphic design using a desktop page layout editor. Students will learn basic design principles and best practices employed in the print publishing industry. Instruction includes a hands-on approach to page layout features for print. This course builds upon knowledge and skills acquired in the Visual Design and Vector Design courses. Skills acquired in this course will serve as foundation for additional training in portfolio design. (FT)

**Photo Editing**  COMM 651  Non-Fee

Advisory: COMM 650 Digital Photography. This course will assist students in establishing a photo editing workflow that will make organizing, editing and sharing of digital photographs quick and easy. Students will learn best practices for organizing, finding and viewing photographs. Topics covered will include retouching and enhancing, separating objects from their backgrounds, creating custom slideshows, and archiving tools and methods. Instruction will include using layers and layer masks, such as applying photo effects and filters that will enhance both Joint Photographic Experts Group (JPG) and RAW (digital negative) digital photos. (FT)

**Portfolio Design**  COMM 663  Non-Fee

Advisory: Successful completion of COMM 660 Visual Design, COMM 661 Vector Design and COMM 662 Page Layout Design. This course provides students the skills to prepare a portfolio for employment in the field of digital media using software appropriate for print, Epub and web. The course provides a hands-on approach to print, Epub and web portfolio development, including material preparation using appropriate software, understanding of key terminology and portfolio presentation skills. This course builds upon knowledge and skills related to visual, vector and page layout design and prepares students to advance to the Digital Media 2 certificate program. (FT)

**Responsive Web Design**  COMM 646  Non-Fee

Advisory: Completion of Front End Web Developer I Program or equivalent. This course introduces the student to responsive web design for websites that automatically adapt their layout to various screen sizes, orientations, resolutions and work on multiple devices. Topics include planning, building, testing and creating navigation that is specific for a responsive website. Students will learn how to create a single website and customize the display for desktop and mobile devices. Students will incorporate a variety of media into a website for optimized delivery and use on various devices. (FT)

**Soft Skills in Web Development**  COMM 671  Non-Fee

This course introduces students to necessary soft skills required in the web development industry. These are intangible but extremely important for almost every position in the field. Soft skills include good communication, honesty, teamwork, punctuality, integrity, accountability and organization. Increasingly, employers have found that many employees are lacking in these areas. (FT)

**User Interface Design**  COMM 673  Non-Fee

Advisory: COMM 672 Web Programming: HTML and CSS. This course serves as an introduction to the science behind User Experience (UX) design, illustrating the breadth of the field that extends well beyond the web and demonstrating the strict research methodologies that support it. Topics will focus on user- and task-analysis (needs analysis, establishing goals, content audits), field research methods (observation, interviewing, testing, documentation of personas), usability testing and the UX process (task models, user journeys, content requirements, card sorts, creating site maps), and more. (FT)

**Vector Design**  COMM 661  Non-Fee

Advisory: Successful completion of COMM 660 Visual Design. This course provides students with knowledge and foundational skills required to create graphics using a vector-based application. Students will learn basic
design principles and best practices for vector-based graphics employed in the visual design industry. The course provides a hands-on approach to planning, designing and creating print pages using vector-based graphics for portfolio development. This course builds upon knowledge and skills acquired in the Visual Design course. Skills acquired in this course will serve as a foundation for additional training in digital media design. (FT)

**Video Production**  COMM 668  Non-Fee

This course is designed to provide students with the foundational skills in order to apply knowledge of video composition and video-editing principles to perform basic or routine tasks involved in a video based editor. Students will learn basic design principles and best practices employed in the video production industry. The course provides a hands-on approach to planning, designing and creating video for the development of a portfolio. (FT)

**Visual Design**  COMM 660  Non-Fee

This course is designed to provide students with the knowledge and foundational skills to learn the basic design and digital image and photo editing tools, using a raster-based image editor. Students will learn basic design principles and best practices employed in the visual design industry. The course provides a hands-on approach to planning, designing and creating print pages using digital imaging software for the development of a portfolio. Skills acquired in this course will serve as a foundation for additional training in digital media design. (FT)

**Virtual Reality**  COMM 610  Non-Fee

This course provides instruction in creating Virtual Reality (VR) panorama and object images. VR images are flat 2D representations of a 3D environment or object and can be manipulated by the viewer on a computer. Photographic shooting issues such as planning, executing a shoot, and processing the images are addressed. The production process, called VR authoring, transforms the photographic images into VR. VR images are incorporated into web pages, CDs, kiosks, and other such multimedia formats. (FT)

**Web Design & Content Management**  COMM 669  Non-Fee

*Advisory:* Successful completion of COMM 666 Workflow for Modern Web Design.

This course is designed to provide students with the foundational skills of web design using a content management system. Students will learn to perform basic or routine tasks involved in web design and content management editing. Students will learn basic design principles and best practices employed in the web design and content management industry. The course provides a hands-on approach to planning, designing and creating websites for the development of a portfolio using content management software. (FT)

**Web Development Fundamentals**  COMM 670  Non-Fee

This course introduces students to web development concepts and techniques. The purpose of this course is to provide a general overview of how the web works and to ensure that students have a foundational understanding of how various web-related technologies work together and what skills are needed to begin building websites. Topics covered include an overview of the internet, file management in relation to web development, components of a website, basic introduction to Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), and image editing for the web. (FT)

**Web Development Special Topics**  COMM 675  Non-Fee

*Advisory:* COMM 672 Web Programming: HTML and CSS; and COMM 673 User Interface Design; and COMM 674 Modern Web Development Tools.

This course introduces important ancillary topics that are critical in the web development field. Students learn about promotion of a website through search engine optimization (SEO) to increase a website's visibility. Basic optimization strategies, such as conducting keyword research, building inbound links, and optimizing pages and content are included. Students will also learn about accessibility strategies, how to maintain site health, and how to build and maintain a portfolio for success beyond the classroom. (FT)
Web Programming: HTML and CSS
**COMM 672**
Non-Fee

*Advisory:* Successful completion of COMM 670 Web Development Fundamentals; and COMM 671 Soft Skills in Web Development. This course includes an overview of the internet, components of a website and introduces web programming using the Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS). Topics include, current web technologies, website development tools, web programming skills and hand coding of a website. Students will learn to publish projects and sites to the web and utilize CSS for web page layout and formatting. Current industry standards, processes and techniques are also taught. (FT)

Alternate Title(s): Intro To Modern Web Programming

Writing for the Internet
**COMM 622**
Non-Fee

This course includes the importance of knowing the target audience; how writing for new media/multimedia/web differs from other writing; simple design rules, writing for and to visuals and the screen; current constraints of new media/multimedia/web projects; and strategy documents such as flowcharts, storyboards and scripts. (FT)

Website Promotion
**COMM 647**
Non-Fee

*Advisory:* Completion of Front End Web Developer I Program or equivalent. This course introduces promotion of a website through search engine optimization (SEO) to increase a website’s visibility. Basic optimization strategies, such as conducting keyword research, building inbound links, and optimizing your pages and content are included. Students will learn how to read a search engine results page, find its ranking and see how rankings can affect a business. Learn website promotion through social media and how to leverage social media tools to grow a brand and drive site traffic. (FT)

Workflow for Modern Web Design
**COMM 666**
Non-Fee

This course provides students with the knowledge and foundational skills required to navigate the workflow and design elements used in visual web editing software. Students will learn basic design principles and best practices for file management including the creation and organization of documents and folders for both a MAC and PC operating system. The course provides a hands-on approach to image optimization for the Web utilizing various file formats. Students will gain an understanding in the creation of mood boards, style guides, wireframes and comps for web development. (FT)

Computer and Information Sciences (COMP)

AWS Academy Cloud Architecture
**COMP 672**
Non-Fee

*Advisory:* COMP 671 AWS Cloud Foundations, or equivalent; and COMP 612 Hardware Service Technician, or equivalent; and COMP 608 Basic Network Configuration, or equivalent; or COMP 640 Windows Operating Systems, or equivalent; or COMP 641 Linux Essentials, or equivalent. The course is designed to help students develop technical expertise in cloud computing. Emphasis is placed on the ability to effectively demonstrate knowledge of how to architect and deploy secure and robust applications on a cloud computing platform. Topics focus on the ability to define a solution using cloud computing architectural design principles and provide implementation guidance based on best practices throughout the lifecycle of the project. (FT)

AWS Academy Cloud Foundations
**COMP 671**
Non-Fee

*Advisory:* COMP 608 Basic Network Configuration, or equivalent; and COMP 612 Hardware Service Technician, or equivalent; or COMP 640 Windows Operating Systems, or equivalent; or COMP 643 Linux Essentials, or equivalent. The course is intended for students who seek an overall understanding of cloud computing concepts. Emphasis is placed on the skills needed to demonstrate a general understanding of cloud computing, independent of specific technical roles. Topics include an overview of cloud concepts, core
cloud services, security, architecture, pricing, and support. (FT)

**Basic Network Configuration**  
**COMP 608**  
Non-Fee

This course presents fundamentals in networking and internet working structure and theory, IP addressing, Binary Mathematics, LAN topologies and architecture, basic network design, cables and cabling standards, and basic electricity. Students will learn through theory and hands on application, the process of understanding basic networking design, operation, troubleshooting, and installation of both the software and hardware associated with networks. (FT)

**Building Restful Web APIs**  
**COMP 692**  
Non-Fee

*Advisory:* Successful completion of COMP 691 NoSQL Document Databases.  
React and Node are a popular combination for building robust full-stack web applications, powering a host of modern web apps including Netflix, Walmart, LinkedIn, Uber, PayPal, and more. Over the span of two courses, you will learn full-stack development with MongoDB, Express, React, and Node.js, commonly referred to as the MERN stack. In this course you will learn how to build the APIs that connect to data in the database and expose that data to the web apps you build. In all, you will learn how to build data-driven apps using MongoDB, Node, and Express, and test, secure, and deploy your apps. (FT)

**Business Information Systems**  
**COMP 628**  
Non-Fee

This course is an introduction to using technology including computers, networks, information systems and the Internet in a business environment. Topics include computer components and functions, application software, systems software, digital devices and media. Students will learn about computer system evaluation, security, software programming and databases. (FT)

**Cisco Network Security 1**  
**COMP 606**  
Non-Fee

*Advisory:* COMP 603 or equivalent.  
This is the first of a two part course sequence in Network Security. This introductory course in Network Security focuses on an overall security process with emphasis on practical skills in security policy design and management, security technologies including, firewall and secure router design, installation, configuration and maintenance. The course also covers authentication, authorization and accounting services (AAA) as well as intrusion detection (IDS) using secure network devices. *(FT)*  
*Alternate Title(s):* Intro to Network Security

**Cyber Incident Response, Intro**  
**COMP 656**  
Non-Fee

This course covers cybersecurity incident response planning, tools and techniques. Students will build a formal incident response handling program. Students use tools to contain, cleanup, recover and prepare a post incident report. Topics include forensic tools, their appropriate use, and analysis of the symptoms of an incident. The purpose and importance of communication and role-based responsibilities will be integrated throughout the course. (FT)

**Cyber Threat and Vulnerability**  
**COMP 655**  
Non-Fee

This course covers cybersecurity threat and vulnerability assessment and remediation. Students employ threat assessments to select the appropriate controls to secure a network or system. Students use tools for environmental and network reconnaissance, and apply techniques to minimize their impact. Topics include reconnaissance analysis and corporate security practices. Students also design and use a vulnerability management program to identify, prioritize, and remediate organizational vulnerabilities. (FT)

**Cybersecurity Architecture**  
**COMP 657**  
Non-Fee

This course covers cybersecurity architecture and tools. Students will use tools and guidelines to build a set of security policies and procedures. Students will also design a layered security architecture and analyze it for flaws. Topics include security frameworks, policies, and controls used for remediation. Students use industry standards for software security. The review, selection, and assembly of tools for performing threat and incident management will also be covered. (FT)

**Emerging Topics – Computers**  
**COMP 699**  
Non-Fee

This course examines emerging topics and technologies in the field of Computer and Information Science. May be offered for two semesters only. (FT)
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Code</th>
<th>Fee Status</th>
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</thead>
<tbody>
<tr>
<td>Hardware Service Technician</td>
<td>COMP 612</td>
<td>Non-Fee</td>
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<tr>
<td>Advisory: COMP 610 or equivalent. This course presents fundamentals in computer theory, maintaining and managing PCs, hardware and software concepts including command line language, PDAs, and various peripherals. Students will learn through lecture and hands-on application, to effectively use diagnostic tools, troubleshoot and repair computer malfunctions. This course will provide students with the knowledge and skills necessary for an entry-level PC technician. (FT)</td>
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<tr>
<th>Information Architecture</th>
<th>COMP 635</th>
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<tr>
<td>This course introduces the fundamentals of Information Architecture. Through theory and hands on application, students will receive an overview of how to design the architecture of an information system that is integrated with the technology of the Internet and the World Wide Web. (FT)</td>
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<thead>
<tr>
<th>Introduction to Networking</th>
<th>COMP 600</th>
<th>Non-Fee</th>
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<tbody>
<tr>
<td>This course presents fundamentals in networking and internet working structure and theory, IP addressing, Binary Mathematics, LAN topologies and architecture, basic network design, cables and cabling standards, and basic network cabling. Students will learn through theory and hands on application. (FT)</td>
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<tr>
<th>Intro to Router Configuration</th>
<th>COMP 601</th>
<th>Non-Fee</th>
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<tbody>
<tr>
<td>Advisory: COMP 600 or equivalent. This course presents fundamentals in route and switch configuration and internetworking structure and theory, OSI model, IPv4 and IPv6 addressing, LAN/WAN topologies and architecture, Routed and Routing topologies, router modes, router components, routing protocols, router and switch setup, router and switch troubleshooting, Cisco IOS command and configuration, and TCP/IP. Students will learn through theory and hands-on application. (FT)</td>
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<tr>
<th>Javascript Frameworks</th>
<th>COMP 693</th>
<th>Non-Fee</th>
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<tr>
<td>Advisory: Successful completion of COMP 691 NoSQL Document Databases; and Successful completion of COMP 692 Building Restful Web APIs. React is one piece of the MongoDB, Express, React, and Node (MERN) development stack. React was designed to make the process of building modular, reusable user interface components simple and intuitive. This course will guide students through the foundations of React development, covering setup, components, elements, and state, as well as how to leverage the JSX syntax extension to improve ability to nest elements within each other. React Router, React-Bootstrap, and forms development with React are also covered. (FT)</td>
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<tr>
<th>Linux Essentials</th>
<th>COMP 641</th>
<th>Non-Fee</th>
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<tr>
<td>Advisory: Microcomputer Basics or equivalent. This course includes the installation, configuration, and the management of the Linux Operating System. Students will learn about command line processing, user accounts and permissions, and basic shell programming. Students will be introduced to the history of Linux and the open source community, and the different distributions of Linux currently available. (FT)</td>
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<tr>
<th>Linux Server Technologies</th>
<th>COMP 643</th>
<th>Non-Fee</th>
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<tr>
<td>Advisory: Microcomputer Basics or equivalent. This course includes the installation, configuration, and management of network services and roles on the Linux Server Operation System. Students will learn about server administration tools, configuring common Linux services, and managing network and server security. Students will be introduced to network and server monitoring and troubleshooting tools and practices. (FT)</td>
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<tr>
<th>Local Area Network Design</th>
<th>COMP 602</th>
<th>Non-Fee</th>
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<tr>
<td>Advisory: COMP 601 or equivalent. This course presents fundamentals in LAN (Local Area Network) design, configuration and internet working structure and theory, a review of OSI model layers and functions, LAN switching, VLANS (Virtual LANs), routing protocols, routing configuration, monitoring and troubleshooting. Students will learn through theory and hands-on application to design, configure, install and implement a LAN. (FT)</td>
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<tr>
<th>Alternate Title(s): Cisco Academy Course 2</th>
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<th>Alternate Title(s): Cisco Academy Course 1</th>
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<tr>
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| Alternate Title(s): Cisco Academy Course 3; Switching Basics & Int Routing |          |                |
Mobile App HTML Development  COMP 645  Non-Fee
Advisory: Microcomputer Basics or equivalent.
This course introduces students to the modern web technologies that are used to develop cross-platform mobile web applications. Students will be introduced to mobile application development, open source mobile application frameworks, and the process for determining the appropriate open source solution. Students will learn about the construction of multiple content screens, transitions, user input, and geolocation services. Students will also be introduced to common markup, styling, and programming languages. (FT)

Mobile App Publication  COMP 647  Non-Fee
Advisory: Mobile Software Dev Platform.
This course introduces students to features of cross-platform mobile application development and the publishing process. Students will learn about JavaScript Object Notation (JSON) and NoSQL-style databases. Students will be introduced to various third-party application stores, learn how to create developer accounts, publish applications, and market applications to a global audience. (FT)

Mobile Software Dev Platform  COMP 646  Non-Fee
Advisory: Mobile App HTML Development.
This course introduces students to setting up a development environment where cross-platform mobile applications can be created. Students will learn about the Software Development Kits (SDKs) of various mobile operating systems, including Android, iOS, and Windows Mobile. Students will install and configure SDKs, and develop an application that can be tested on emulators or real devices. Students will be introduced to free and open source software and the selection process for determining the appropriate solution. (FT)

Network Security Basics  COMP 609  Non-Fee
Advisory: COMP 608 or equivalent.
This course provides the foundation and basic skills needed in computer and network security. Topics include identifying security risks, risk mitigation strategies, forensic procedures, incident response procedures and cryptography. Students will learn investigative techniques, types of threats, and application of security controls to maintain confidentiality, data integrity, and availability.

Emphasis will be placed on security best practices and applying applicable policies, laws, and regulations. (FT)

NoSQL Document Databases  COMP 691  Non-Fee
MongoDB is a free and open source document database. It is a NoSQL database that uses a JavaScript Object Notation (JSON)-like schema. It is cross platform and easy to deploy on the cloud or on a server, and it’s because of this flexibility that companies like Uber, Lyft, Coinbase, Accenture, Adobe, Cisco, and more choose it over traditional relational database solutions. This course is designed to get students up to speed on MongoDB. Students will learn the basics of the technology, how to work with MongoDB in the cloud, how to create databases and collections, and how to perform basic and advanced create, retrieve, update, and delete (CRUD) operations, and more. (FT)

Programming with Python I  COMP 660  Non-Fee
This course is an introduction to the Python programming language for students without prior programming experience. The course will cover introductory Python programming topics ranging from the essentials of the language, to control statements, functions and modules, working with strings, numbers, and dates and times. Examples and labs used in this course are drawn from diverse areas such as financial data processing, gaming applications and more. Students will be able to use this knowledge to pursue further course of study towards a career in the IT or business industry. (FT)

Programming with Python II  COMP 661  Non-Fee
Advisory: COMP 660 Programming with Python I.
This course introduces more advanced Python concepts to the learner. Topics covered include data structuring techniques using tuples, lists, and dictionaries, object-oriented programming concepts, and exception handling. Examples and labs used in this course will continue to draw from diverse areas such as financial data processing, gaming applications, and more. Students will be able to use this knowledge to land entry-level positions in such fields as data science, embedded programming, game development, software development, automation, cyber security penetration development, and more. (FT)
Programming Databases with Python  
**COMP 662 Non-Fee**

*Advisory:* COMP 660 Programming with Python I and COMP 661 Programming with Python II.

This is an advanced-level course meant to introduce the learner to programming databases with Python. Topics covered include configuring drivers, creating a database, using the Structured Query Language (SQL), coding in Python to retrieve data from and update a database, and use an Object Relational Mapping (ORM) language to simplify coding. Examples used are drawn from diverse areas such as financial data processing, gaming applications, and more. Students will be able to use this knowledge to land intermediate level positions in such fields as data science, embedded programming, data analytics, and more. (FT)

Python for Data Science  
**COMP 663 Non-Fee**

*Advisory:* COMP 660 Programming with Python I; and COMP 661 Programming with Python II; and COMP 662 Python for Data Management

This course explores the theory and concepts of data science while acquiring Python programming knowledge to solve real world data challenges. At the end of this program, students will make sense of the data by using Python’s wide variety of data analytics and graphical modeling packages to perform exploratory data analysis, apply visualization and inferential techniques, as well as data mining algorithms, to real-world data that is engaging and relevant in the industry in the years ahead. (FT)

Server Admin Fundamentals  
**COMP 642 Non-Fee**

*Advisory:* Microcomputer Basics or equivalent.

This course includes the installation, configuration, and management of the Windows Server Operating System. Students will learn about server administration tools, Active Directory, account management and security, and server performance troubleshooting. Students will be introduced to network services, web servers, and DNS servers. (FT)

Server Side Web Development  
**COMP 644 Non-Fee**

*Advisory:* Microcomputer Basics or equivalent.

This course includes the installation, configuration and management of a web server application. Students will learn about the structure and components of static and dynamic websites, programming web applications, and database management. Students will be introduced to web server software, programming languages used to create web applications, and how to use a database to create dynamic websites. (FT)

Technical Support Specialist  
**COMP 638 Non-Fee**

This course is designed to provide the knowledge and skills that are necessary for a technical support specialist (help desk personnel). This course will benefit both the student that is starting out in the user support industry as well as those who are experienced professionals. Students learn problem-solving and communication skills in addition to the technical aspects of user support. (FT)

Virtual Datacenter 1  
**COMP 651 Non-Fee**

*Advisory:* COMP 608 Basic Network Configuration; and COMP 642 Server Admin Fundamentals or COMP 643 Linux Server Technologies

This course includes the installation and configuration of the infrastructure that makes up a software-defined data center. Students will install and configure virtual machines, host hypervisors, and virtual data centers. Students will be introduced to virtual network devices and concepts. Students will learn about cloud computing, hardware requirements, and virtual hardware resources. (FT)

Virtual Datacenter 2  
**COMP 652 Non-Fee**

*Advisory:* COMP 651 Virtual Datacenter 1

This course includes the configuration and management of a software-defined data center. Students will manage virtual machine inventories, data center storage, and virtual networking. Students will learn about virtual workload management techniques. Students will apply appropriate methodologies and techniques to configure and troubleshoot a virtual data center. (FT)

Web Programming: Javascript  
**COMP 690 Non-Fee**

*Advisory:* Successful completion of COMM 641 Web Programming Beginning or equivalent prior knowledge or experience.

This course incorporates JavaScript into the web development process and serves as a foundation for the Full-Stack Web Development certificate program. Students will learn about modern web architecture and how JavaScript serves as an armature for
every component within that ecosystem. More importantly, students will learn how to program for the web using JavaScript. Students will also learn how JavaScript can enhance a webpage, allowing additional interactivity and more precise control of page elements. Techniques used in creating a website and making the content more dynamic will also be taught. (FT)

**Wide Area Network Design**  
*COMP 603*  
*Non-Fee*

Advisory: COMP 602 or equivalent.

This course presents fundamentals in Wide Area Network Topologies, Interfaces, Protocols, Linking technology, Frame encapsulation, Design, internet working structure and theory, ISDN and ISDN components, configuration, Frame Relay, and Subinterfaces. Students will learn through theory and hands on application, the process of designing, configuring, installing and implementing a Wide Area Network. (FT)

*Alternate Title(s):* Cisco Academy Course 4; WAN Technologies

**Windows Operating System**  
*COMP 640*  
*Non-Fee*

Advisory: Microcomputer Basics or equivalent.

This course includes the installation, configuration, and management of the Windows Desktop operating system. Students will also learn about managing applications, files and folders, devices, and the use of administrative tools and the control panel. Practical topics include user interfaces, user account management, operating system security, and basic network configuration. (FT)

**Creative Writing (CRTW)**

*CRTW 690*  
*Fee*

This course is designed to teach literary exploration and creation through reading, writing and discussions. Topics may include journal writing, literature survey, short stories, memoirs, self-publishing, oral histories, genealogy and creative writing. (FT)

*Alternate Title(s):* Genealogy; Mystery Buffs; Self-Publishing; Writers Workshop

**Writers Workshop – OA**  
*CRTW 537*  
*Non-Fee*

This course is designed to meet the interests of older adults in writing short stories, novels, poetry, memoirs, and articles for publication or self-improvement. Course covers creative nonfiction, memoir/personal narrative, and fiction techniques for writing short stories and novels. Topics include how to analyze and critique writings, digital writing skills, and an introduction to poetry writing. (FT)

*Alternate Title(s):* Writing in the Digital Age – OA, Nonfiction Writing – OA, Fiction Writing – OA

**Dramatic Arts (DRAM)**

**Practical Theater – OA**  
*DRAM 550*  
*Non-Fee*

This course provides older adult students with the opportunity to understand practical theatre using the fundamentals of amateur theatrical production. Students will rehearse and perform staged readings and be involved in a full stage production which may include, and is not limited to, minimal sets, scenery, costumes, and makeup. (FT)

**Driver Education (DRVE)**

**Mature Driver Improvement**  
*DRVE 550*  
*Non-Fee*

A driver improvement course specifically designed for older drivers (55 years of age or older) to update their driving skills and knowledge. (This course satisfies the requirements of Section 1675 of the California Vehicle Code. Upon successful completion of the course students will receive a certificate of completion provided by the California Department of Motor Vehicles.)

**School Bus Driver Ed Training**  
*DRVE 510*  
*Non-Fee*

This course is designed to give students the training and knowledge necessary to become safe, professional drivers. Upon successful completion of this course, students will be prepared to satisfactorily meet the requirements of a Class II written examination by the D.M.V., a written exam by the C.H.P., and some first aid and driving tests. (FT)
Disability Support Programs and Services (DSPS)

**Adaptive Music-Disabled**

DSPS 652D
Non-Fee

A music education course designed for students with disabilities which includes music appreciation and participation. Students (according to ability) will develop an awareness of music forms and will have the opportunity to participate in group musical activities. (FT)

**Adaptive Arts and Crafts**

DSPS 653D
Non-Fee

An adaptive arts and crafts course, to introduce students with a wide range of disabilities, to various art media with primary focus on appreciation, materials, tools, and techniques. Projects selected and completed are based on individual assessment. Critical thinking, problem solving, and communication skills will be planned into the daily lessons. Special emphasis will be placed on the art experience as it relates to students with different functional limitations and disabilities. (FT)

**Assertion Training-Disabled**

DSPS 648D
Non-Fee

A course designed for the development of a positive belief system regarding assertion for students with disabilities. (FT)

**Basic Education-DSPS**

DSPS 624D
Non-Fee

This course is designed to help the student with a disability improve basic academic, cognitive and communication skills. The student will learn basic academic skills in reading, writing and numerical concepts. Critical thinking, problem solving and communication skills will be incorporated into the daily lessons to reinforce the learning of basic academic skills. The student will learn skills that enhance independence both in the classroom and the community. (FT)

**Basic Ed-Limited Learner**

DSPS 623D
Non-Fee

This course is designed to give limited learners basic academic skills and social behavior skills. Activities are directed toward pre-vocational skills and independent living. (FT)

**Basic English-Hearing Impaired**

DSPS 634D
Non-Fee

This course provides basic English Language skills development including development of basic sentence patterns and vocabulary expansion for Hearing Impaired students. A highly structured and individualized approach is used to develop competency in a basic set of sentence types and vocabulary. Competency in reading basic English text up to the ninth grade is also stressed. (FT)

**Basic Math-Hearing Impaired**

DSPS 635D
Non-Fee

A beginning course to introduce basic principles of Mathematics to Hearing Impaired students. This course provides beginning level competency in addition, subtraction, multiplication and division and provides practice in applying these principles to life situations such as counting money and figuring time. Individualized to meet students’ specific needs. (FT)

**Beginning Computers – DSPS**

DSPS 611D
Non-Fee

Advisory: This course is designed for students with disabilities. Verification of disability will be requested.

This course is designed to help students with disabilities learn basic computers skills. Topics will include computer terminology, computer operation, keyboarding and mouse skills, basic word processing, workstation ergonomics and introductory internet skills. Topics also include community resources, email and social media. (FT)

**Beginning Sign Language**

DSPS 631D
Non-Fee

Introduction to American Sign Language as it is used with the Deaf Cultural group. Instruction and practice in the basic sentence patterns and vocabulary of the language with emphasis on receptive skills. (FT)

**Clothing Construction-Disabled**

DSPS 658D
Non-Fee

This course will cover basic skills in clothing construction, including adapted techniques of hand and machine stitching. Emphasis will be placed on adapting clothing construction techniques for students with disabilities and selection of appropriate adapted clothing for various disabilities. (FT)
Cognitive Retraining/ABI  DSPS 690D  Non-Fee
To provide students with acquired brain injury with structured cognitive retraining and personal development to further prepare them for continuing education, vocational training, work re-entry, volunteer placements or increased independence in their home and community. (FT)

Communications for Disabled  DSPS 622D  Non-Fee
This course is designed to help the student with a disability to develop or improve effective communication skills. Topics will include auditory processing skills, social interaction skills and oral, written or device assisted communications. The student will learn skills that enhance independence both in the classroom and the community. (FT)

Community Living Skills-DSPS  DSPS 607D  Non-Fee
This course is designed to help the student with a disability improve skills needed to actively participate in the community. Topics will include mobility, safety, consumer skills, recreation and work readiness. (FT)

Communication On The Job  DSPS 625D  Non-Fee
Advisory: Life Management/Career Prep or equivalent.
This course is designed for students with disabilities who want to learn how to improve communication skills that relate to employment. This course will include activities to enhance written and verbal communication skills including electronic communication, workplace behavior, and working with managers and supervisors. The course will also cover interview skills, interacting with peers and co-workers, and seeking assistance on the job. (FT)

Creative Writing – DSPS  DSPS 676D  Non-Fee
This course is designed for students with disabilities who are in need of a course on the basics of writing essays and/or academic writing. This course addresses the possible accommodations available to them in the classroom and in a test setting. Topics include the different types of academic writing they might encounter as students, writing skills, grammar, how to research a topic and how to site sources. (FT)

Developmental Learning  DSPS 641D  Non-Fee
An individual program of basic and functional reading, writing, and math skills based on an individual education plan designed to assist in the development of the student’s potential. The program prepares students toward goals of self-improvement or mainstreaming into high school, GED, or vocational classes. (FT)

Essay Writing – DSPS  DSPS 675D  Non-Fee
This course is designed for students with disabilities who are in need of a course on the basics of writing essays and/or academic writing. This course addresses the possible accommodations available to them in the classroom and in a test setting. Topics include the different types of academic writing they might encounter as students, writing skills, grammar, how to research a topic and how to site sources. (FT)

Food Preparation Basics – DSPS  DSPS 662D  Non-Fee
This course is designed for students with disabilities to learn basic concepts of food preparation to increase independence at home. Topics include basic cooking vocabulary, reading and following recipe instructions, and basic nutrition concepts. This course will also include activities to teach kitchen safety and sanitation, grocery shopping skills, and budgeting. (FT)

Grounds Maintenance-Disabled  DSPS 645D  Non-Fee
A vocational course for students with disabilities designed to provide training and instruction utilizing classroom and “hands-on” work experience. The course will prepare the student for employment in residential and commercial grounds maintenance occupations. (FT)

Intermediate Computers – DSPS  DSPS 612D  Non-Fee
Advisory: This course is designed for students with disabilities who have completed Beginning Computers- DSPS 611D or equivalent. Verification of disability will be requested.
This course is designed to help students with disabilities learn intermediate computer skills. Topics will include file management, keyboard shortcuts, word processing, spreadsheets, email, internet and using basic peripherals. (FT)
Introduction to Computers  
**DSPS 610D**  
Non-Fee  

This course is designed to help the student with a disability learn basic computer skills with the benefit of a limited class size and individually paced instruction. Topics will include knowledge of computer components, care and maintenance of hardware, peripherals and accessories, basic operation of a computer and keyboarding skills. Adaptive technology will be made available to facilitate general computer use by students with disabilities. (FT)

Job Seeking Skills-Disabled  
**DSPS 643D**  
Non-Fee  

Sequential program focusing on: (1) skills needed to obtain work, such as completion of application forms, interview techniques, employment tests, and (2) attitude, work habits, and skills necessary to successfully maintain employment. (FT)

Life Management/Career Prep  
**DSPS 642D**  
Non-Fee  

This course is designed for students with disabilities to promote independence by teaching career and life planning, and setting short and long term goals. Topics include personal development and characteristics for work, job search strategies and techniques, identifying community resources, and developing a career and life action plan. (FT)

Lip Reading  
**DSPS 603D**  
Non-Fee  

Includes the basic sounds of the English language and how these sounds are formed on the lips. Physiological problems related to hearing will be investigated as well as the mechanics of the ear and sound. Practical experience in lip reading will be provided. (FT)

Living Skills-Disabled  
**DSPS 606D**  
Non-Fee  

This course is designed to assist students with disabilities to develop basic survival skills. The course will include budgeting, shopping, meal preparation, housekeeping, clothing care, home health care, communication skills, transportation sources, and community resources. (FT)

Occupational Opportunities  
**DSPS 639D**  
Non-Fee  

A course designed to assist students with disabilities in the process of developing and pursuing goals for employment. Explores opportunities for employment and provides community job site experiences. Preparation of students to meet the psychological, social, and intellectual demands of employment. (FT)

Personal Assessment-Disabled  
**DSPS 638D**  
Non-Fee  

A program of learning activities designed for students with disabilities to explore and evaluate their self-concept, to express their individuality and personal worth, and to learn socialization skills necessary for community living. (FT)

Personal Living Skills-DSPS  
**DSPS 608D**  
Non-Fee  

This course is designed to help the student with a disability improve skills needed to increase personal independence. Topics will include home maintenance, health, self advocacy and interpersonal skills. (FT)

Physical Fitness for Disabled  
**DSPS 621D**  
Non-Fee  

A program of activities designed to meet the specific needs of students with disabilities, to develop and maintain a level of strength, flexibility and cardiovascular endurance in order to improve the functional abilities which facilitate independence. (FT)

Reading for Hearing Impaired  
**DSPS 640D**  
Non-Fee  

A course designed for Deaf and Hard of Hearing students to improve reading vocabulary and language study skills. Uses an individualized developmental approach of learning to read. (FT)

Relationships & Sexuality – DSPS  
**DSPS 605D**  
Non-Fee  

This course is designed to allow students with disabilities to explore their attitudes and values regarding healthy sexual relationship development. Topics include human anatomy, reproduction, contraception choices, sexual orientation, sexually transmitted infections, and sexual coercion. Students will learn about building relationships with an emphasis on the development of positive personal strategies. (FT)
Self-Advocacy – DSPS  
**DSPS 630D**  
Non-Fee

This course is designed for students with disabilities who want to develop or improve self-advocacy skills. Topics include communication skills, rights and laws related to disability, self-determination, goal setting skills, and assertiveness skills. Students will learn how to build an advocacy team. This course will prepare students to better advocate for their wants and needs in various areas of their lives. (FT)

Social Skills – DSPS  
**DSPS 609D**  
Non-Fee

This course is designed for students with disabilities who want to learn how to improve in-person and online social skills. This course will include activities to enhance social interaction skills including unstated rules of social situations, dealing with teasing and bullying, and managing rumors and gossip. This course will also cover skills related to relationships, verbal and non-verbal communication, conflict resolution, and planning and attending social events. (FT)

Wellness Management – DSPS  
**DSPS 656D**  
Non-Fee

This course is designed to teach students with disabilities evidence-based wellness and stress management strategies for academic, personal and workplace success. Topics will include identifying stress, the human stress response system, resiliency, perseverance, and stress management techniques. The course will include activities to enhance strategies to manage stress with specific regard to disability. (FT)

Electronics (ELRN)

Consumer Electronics Tech  
**ELRN 439**  
Non-Fee

An open-entry/open-exit modular course in the entry level skills required for employment as a Consumer Electronics Service Technician. This course presents instruction in radios and televisions, VCR’s, CD’s, camcorders, and other consumer products repair and services. Students will learn the process of effective troubleshooting and repairing various types of consumer electronic products. Instruction will enable the student to gain necessary workplace skills required for employment. (FT)

Electronic Technician I  
**ELRN 451**  
Non-Fee

Advisory: Basic computer knowledge and internet search skills.  
This is an open-entry/exit course that is designed to teach skills required for entry-level employment as an electronic technician. Students will learn the fundamentals of electricity, DC and AC circuit theory, electronic devices and basic communications electronics. Instruction includes the operation of test instruments, basic programming for testing, problem solving and safety practices and procedures. Instruction will take place in a simulated workplace enabling students to gain the necessary workplace skills. (FT)

Electronic Technician II  
**ELRN 452**  
Non-Fee

Advisory: Satisfactory completion of Electronic Technician I; basic computer knowledge and internet search skills.  
This is an open-entry/exit course that is designed to teach skills required for entry-level employment as an electronic technician. Students will learn the fundamentals of Digital, DC and AC systems, digital technology and basic communications electronics. Instruction includes the operation of test instruments, problem solving, and safety practices and procedures. Instruction will take place in a simulated workplace enabling students to gain the necessary workplace skills. (FT)

Engineering (ENGE)

Emerging Topics – Engineering  
**ENGE 699**  
Non-Fee

This course examines emerging topics and technologies in the field of Engineering and Related Industrial Technologies. May be offered for two semesters only. (FT)

English (ENGL)

Literature Survey–OA  
**ENGL 545**  
Non-Fee

This course provides an introduction to writing and literature with an emphasis on creating original work and exploring a variety of literature genres, themes
and styles. This course is intended to encourage and guide students who are starting to explore the many creative possibilities literature offers and will provide creative activities for older adults with cultural, therapeutic and developmental values through reading assignments, dialogue, point-of-view, self-expression and story development. (FT)

**English as a Second Language (ESLA)**

**Beg Low Prevocational ESL 1**  
**ESLA 425A**  
**Non-Fee**

*Advisory: ESL Beg Literacy or equivalent.*

This course focuses on the development of oral and written communication skills, reading skills, vocabulary development, and grammatical competence necessary for basic career exploration and seeking employment. Critical thinking, digital literacy, soft skills, interpretation of simple data, and diversity awareness are integrated throughout the course. Students will demonstrate acquisition of the beginning-low level English skills needed to identify short and long-term goals, conduct basic research of the job market and succeed in obtaining employment. (FT)

**Beg Low Prevocational ESL 2**  
**ESLA 425B**  
**Non-Fee**

*Advisory: ESL Beg Literacy or equivalent.*

This course focuses on the development of oral and written communication skills, reading skills, vocabulary development, and grammatical competence necessary for communication in the workplace. Critical thinking, numeracy, soft skills, digital literacy, and diversity awareness will be integrated throughout this course. Students will demonstrate acquisition of the beginning-low level English skills needed to participate in workplace conversations and group discussions, compose simple professional correspondence, and interact appropriately in diverse workplace environments. (FT)

**Beg High Prevocational ESL 1**  
**ESLA 426A**  
**Non-Fee**

*Advisory: ESL Beg Low 2 or equivalent.*

This course focuses on the further development of oral and written communication skills, reading skills, vocabulary development, and grammatical competence necessary for basic career exploration and seeking employment. Critical thinking, digital literacy, soft skills, interpretation of simple data, and diversity awareness are integrated throughout the course. Students will demonstrate acquisition of the beginning-high level English skills needed to identify short and long-term goals, conduct basic research of the job market, and assist in obtaining job training and/or employment. (FT)

**Beg High Prevocational ESL 2**  
**ESLA 426B**  
**Non-Fee**

*Advisory: ESL Beg Low 2 or equivalent.*

This course focuses on the further development of oral and written communication skills, reading skills, vocabulary development, and grammatical competence necessary for communication in the workplace. Critical thinking, numeracy, soft skills, digital literacy, and diversity awareness are integrated throughout the course. Students will demonstrate acquisition of the beginning-high level English skills needed to participate in workplace conversations and group discussions, compose simple professional correspondence, and interact appropriately in diverse workplace environments. (FT)

**ESL Adv Low 6**  
**ESLA 436**  
**Non-Fee**

*Advisory: ESL Int High 5 or equivalent.*

This course focuses on the development of effective oral and written communication skills, grammatical accuracy, and academic reading skills. Instruction focuses on academic and workplace readiness skills including essay writing, oral presentations, and text-based discussions. Diversity awareness, critical thinking skills, digital literacy skills, and soft skills are integrated throughout the course. (FT)

**ESL Adv High 7**  
**ESLA 437**  
**Non-Fee**

*Advisory: ESL Adv Low 6 or equivalent.*

This course focuses on review and refinement of the targeted language skills introduced and practiced in ESL courses. Students will develop fluency in their oral and written communication skills, grammatical accuracy, and academic reading and writing skills. Academic and workplace readiness skills, diversity awareness and appreciation, critical thinking skills, soft skills and digital literacy skills are integrated throughout the course. (FT)
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Code</th>
<th>Fee Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESL Beg Literacy 1</td>
<td>ESLA 431</td>
<td>Non-Fee</td>
</tr>
<tr>
<td>This course focuses on building emerging English listening, speaking, reading, and writing skills at the beginning literacy level. Instruction includes development of basic literacy skills and communication for everyday living to help the learner progress towards their personal, academic and/or professional goals. Workplace readiness skills which include critical thinking, diversity awareness and soft skills are integrated throughout the course. (FT)</td>
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<tr>
<td>ESL Beg Low 2</td>
<td>ESLA 432</td>
<td>Non-Fee</td>
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<tr>
<td><em>Advisory:</em> ESL Beg Literacy 1 or equivalent. This course develops the learner’s English listening, speaking, reading and writing skills to progress towards their personal, academic and/or professional goals. The course prepares the learner to comprehend and participate in simple conversations, read simplified texts, and write simple sentences. Instruction includes communication for everyday life and development of basic reading and writing skills. Workplace readiness skills which include critical thinking skills, soft skills, and diversity awareness are integrated throughout the course. (FT)</td>
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<tr>
<td>ESL Beg High 3</td>
<td>ESLA 433</td>
<td>Non-Fee</td>
</tr>
<tr>
<td><em>Advisory:</em> ESL Beg Low 2 or equivalent. This course develops the learners' English listening, speaking, reading and writing skills for participation in oral and written communication in professional, academic and social settings. Instruction focuses on grammar, vocabulary development, pronunciation, and life skills. This course emphasizes development of academic skills, critical thinking skills, soft skills, and diversity awareness. (FT)</td>
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<tr>
<td>ESL Beginning Conversation</td>
<td>ESLA 450</td>
<td>Non-Fee</td>
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<tr>
<td>This course provides instruction and extensive practice to develop beginning level ESL students’ listening, pronunciation, vocabulary, grammar and conversation skills. Instruction includes focused listening activities, pronunciation drills, vocabulary development, grammar review, and conversation practices. Critical thinking skills and cultural awareness are integrated throughout the course. (FT)</td>
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<tr>
<td>ESL Beginning Grammar</td>
<td>ESLA 454</td>
<td>Non-Fee</td>
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<tr>
<td><em>Advisory:</em> Completion of ESL Beg Literacy 1 or equivalent. This course develops students' basic grammar proficiency to promote oral and written communication in professional, academic and social settings. Instruction focuses on speaking and writing in complete sentences using level-appropriate form and function of English grammar. Extensive practice in speaking and writing is included in the instruction. Soft skills, critical thinking, digital literacy and diversity awareness are integrated throughout the course. (FT)</td>
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<tr>
<td>ESL Beginning Pronunciation</td>
<td>ESLA 452</td>
<td>Non-Fee</td>
</tr>
<tr>
<td><em>Advisory:</em> ESL Beg Low 2 or equivalent. This course teaches basic American English sounds of letters, blends, and simple words, and develops students' ability to understand the sounds and pronounce the sounds appropriately and clearly. Instruction includes focused listening activities, basic pronunciation rules and exceptions to rules, extensive practice with both isolated sounds and sentence pronunciation. Cultural awareness, soft skills and critical thinking skills are integrated throughout the course. (FT)</td>
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<tr>
<td>ESL Int/Adv Pronunciation</td>
<td>ESLA 453</td>
<td>Non-Fee</td>
</tr>
<tr>
<td><em>Advisory:</em> ESL Int Low 4 or equivalent. This course provides instruction on the phonological, syntactical, and semantic characteristics of the pronunciation of American English. Students learn pronunciation rules, strategies, and techniques to monitor and improve pronunciation. Instruction includes focused listening and extensive practice in pronunciation. Soft skills, critical thinking skills and cultural awareness are incorporated throughout the course. (FT)</td>
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<tr>
<td>ESL Pre-Citizenship</td>
<td>ESLA 441</td>
<td>Non-Fee</td>
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<tr>
<td>This course focuses on the development of English language listening, speaking, reading, and writing skills, and equips students with basic knowledge of U.S. history and government. It also provides students with the basic knowledge of the naturalization process and rights and responsibilities of U.S. citizenship to prepare for advancement to an ESL Citizenship course. (FT)</td>
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</table>
ESL Citizenship

This course focuses on the further development of English language skills and knowledge of U.S. history and government. It prepares students for the rights and responsibilities of U.S. citizenship and for success on all aspects of the naturalization process including the U.S. Citizenship and Immigration Services (USCIS) naturalization application and the USCIS naturalization interview exam. (FT)

ESL Int/Adv Conversation

Advisory: ESL Beginning Conversation or equivalent and ESL Intermediate Low or equivalent.
This course develops students' listening and speaking skills to function effectively in professional, academic and social settings. Instruction focuses on comprehending and interpreting information presented orally and/or in writing and participating in a range of collaborative discussions. Extensive practice in listening and speaking is emphasized. Critical thinking skills and diversity awareness are integrated throughout the course. (FT)

ESL Int/Adv Grammar

Advisory: Completion of ESL Beginning Grammar or equivalent; and Completion of ESL Int Low 4 or equivalent
This course develops students' proficiency in the form and function of English grammar. Instruction focuses on spoken and written forms of communication and provides for extensive practice with intermediate and advanced grammar structures. Critical thinking skills and diversity awareness are integrated throughout the course. (FT)

ESL Int Low 4

Advisory: ESL Beg High 3 or equivalent.
This course develops English listening, speaking, reading and writing skills to participate in professional, academic and social settings. Instruction focuses on comprehending information presented orally and in a variety of readings, participating in group discussions, making brief oral presentations and writing paragraphs. Workplace readiness skills including critical thinking skills, digital literacy skills, diversity awareness, and soft skills are integrated throughout the course. (FT)

ESL Int High 5

Advisory: ESL Int Low 4 or equivalent.
This course develops students' English listening, speaking, reading, and writing skills in order to function in social situations, and professional and academic settings. Instruction focuses on interpreting information presented orally and through a variety of texts or digital media, participating in group discussions, making brief oral presentations, and writing short compositions. Workplace readiness skills including soft skills, critical thinking skills, digital literacy, and diversity awareness are integrated throughout the course. (FT)

ESL Multi-Level

This course develops English listening, speaking, reading and writing skills to participate in professional, academic and social settings. Instruction focuses on comprehending information presented orally and in a variety of readings, participating in group discussions, making brief oral presentations and writing paragraphs. Workplace readiness skills including critical thinking skills, digital literacy, diversity awareness, and soft skills are integrated throughout the course. (FT)

ESLA Beginning Reading

Advisory: Completion of ESL Beg Literacy 1 or equivalent
This course develops students' reading skills at beginning ESL levels with a focus on vocabulary development, basic reading strategies, and comprehension. Extensive practice is provided to advance students' reading fluency and accuracy. Critical thinking skills, soft skills, digital literacy, and diversity awareness are integrated throughout the course. (FT)

ESLA Int/Adv Reading

Advisory: Completion of ESL Beginning Reading or equivalent; and Completion of ESL Int Low 4 or equivalent
This course develops students' reading skills at intermediate and advanced ESL levels with an emphasis on vocabulary development, reading strategies, fluency, and comprehension to equip students to enter and succeed in higher-level academic courses, job training, and the workplace.
Extensive reading practice is provided to advance students’ readiness for standardized reading tests and other assessments. Critical thinking skills, soft skills, digital literacy, and diversity awareness are integrated throughout the course. (FT)

**Int Low Prevocational ESL 1**  
*ESLA 427A*  
Non-Fee

*Advisory:* ESL Beg High 3 or equivalent.  
This course focuses on the further development of oral and written communication skills, reading skills, vocabulary development, and grammatical competence necessary for career planning and seeking employment. Critical thinking, digital literacy, soft skills, basic data interpretation, and diversity awareness are integrated throughout the course. Students will demonstrate acquisition of the intermediate-low level English skills needed to identify short and long-term goals, research the job market, and succeed in obtaining employment. (FT)

**Int Low Prevocational ESL 2**  
*ESLA 427B*  
Non-Fee

*Advisory:* ESL Beg High 3 or equivalent.  
This course focuses on the further development of oral and written communication skills, reading skills, vocabulary development, and grammatical competence necessary for communication in the workplace. Critical thinking, numeracy, soft skills, data interpretation, and diversity awareness are integrated throughout the course. Students will demonstrate acquisition of the intermediate-low level English skills needed to participate in workplace conversations and group discussions, compose professional correspondence, and interact appropriately in diverse workplace environments. (FT)

**Int High Prevocational ESL 1**  
*ESLA 428A*  
Non-Fee

*Advisory:* ESL Int Low 4 or equivalent.  
This course focuses on the further development of oral and written communication skills, reading skills, vocabulary development, and grammatical competence necessary for communication in the workplace. Critical thinking, digital literacy, soft skills, data interpretation, and diversity awareness are integrated throughout the course. Students will demonstrate acquisition of the intermediate-high level English skills needed to identify short and long-term goals, research the job market, and succeed in obtaining job training or employment in diverse workplace environments. (FT)

**Int High Prevocational ESL 2**  
*ESLA 428B*  
Non-Fee

*Advisory:* ESL Int Low 4 or equivalent.  
This course focuses on the further development of oral and written communication skills, reading skills, vocabulary development, and grammatical competence necessary for communication in the workplace. Critical thinking, digital literacy, soft skills, numeracy, and diversity awareness are integrated throughout the course. Students will demonstrate acquisition of the intermediate-high level English skills needed to participate in workplace conversations and group discussions, compose professional correspondence, and interact appropriately in diverse workplace environments.

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### Foods and Nutrition (FDNT)

**Advanced Bakeshop Skills**  
*FDNT 628*  
Non-Fee

Learn advanced bakeshop skills, baking and pastry making. Explore the advanced culinary skills in the baking industry from baking theory and techniques to hands-on production techniques used in working kitchens and bakeries. Students will prepare a variety of advanced bakeshop products. Advanced plating techniques will be highlighted. (FT)  
*Alternate Title(s):* Professional Bakeshop Skills 2

**Advanced Pastries and Cakes**  
*FDNT 663*  
Non-Fee

*Advisory:* FDNT 501 Intro to Hospitality Careers.  
Students will learn how to produce specialty occasion cakes and pastries utilizing techniques in cake and pastry production and design. Students will incorporate beginning bakeshop skills, baking and pastry making techniques and technologies in producing a variety of advanced pastries and cakes. Topics will include: frostings, various mixing methods, working with multiple cake decorating mediums, plate presentation, petit fours, and seasonality. Students will also be taught to accurately read and measure recipes. (FT)

**Baking and Artisanal Breads**  
*FDNT 662*  
Non-Fee

*Advisory:* FDNT 501 Intro to Hospitality Careers.
This course provides an overview of how to produce yeasted and non-yeasted breads and doughs. Topics will include studying and create breads from around the world, analysis of their cultural origins, and beginning bakeshop skills. Students will also explore the basic culinary skills in the baking industry from baking theory and techniques to hands-on production techniques used in working kitchens and bakeries. Students will prepare a variety of bread products, learn to accurately read and measure recipes, and learn how baking ingredients interact with each other. (FT)

**Baking & Pastry Essentials**  
**FDNT 661**  
**Non-Fee**

*Advisory: FDNT 501 Intro to Hospitality Careers.*

This course provides an overview of beginning bakeshop skills and basic culinary skills in the baking industry from baking theory and techniques to hands-on production techniques used in working kitchens and bakeries. Students will prepare a variety of bakeshop products and will be taught to accurately read and measure recipes. Students will also be introduced to a variety of baking ingredients and will learn to interact effectively in a team-based environment. Basic math skills will be covered along with recipe equivalencies. (FT)

**Breadmaking**  
**FDNT 660**  
**Non-Fee**

Tips and techniques for successful breadmaking. Nutritional aspects of freshly baked homemade bread for all occasions. (FT)

**Catering**  
**FDNT 630**  
**Non-Fee**

Catering as a career. Plan menus and adapt recipes for family and commercial use. Learn quantity food preparation and serving techniques. Business practices and operations included. (FT)

**Chocolate & Sugar Fundamentals**  
**FDNT 664**  
**Non-Fee**

*Advisory: FDNT 501 Intro to Hospitality Careers.*

Students will learn how to produce a variety of baked goods, confections and decorations using chocolate and sugar as the main ingredient. Topics will include: working with multiple tools that are used in chocolate and sugar production, chocolate and sugar decorations, chocolate and sugar confections, tempering methods, ingredient identification, and beginner chocolate and sugar displays. (FT)

**Culinary Arts I**  
**FDNT 671**  
**Non-Fee**

This course provides an introduction to Culinary Arts principles including food safety and sanitation. Special emphasis will be placed on kitchen safety. (FT)

**Culinary Arts II**  
**FDNT 672**  
**Non-Fee**

This course provides an introduction to culinary terminology, techniques, and history with a special emphasis on food service operations. Culinary techniques will include measurement practices, tools, equipment and knife skills with an overview of kitchen staples, spices and flavorings. (FT)

**Culinary Arts III**  
**FDNT 673**  
**Non-Fee**

This course provides an introduction to the principles of cooking. The identification and preparation of protein sources will be studied. Techniques used in the preparation of stocks and sauces will be explored, with special emphasis on Garde Manger (cold food preparation). (FT)

**Culinary Arts IV**  
**FDNT 674**  
**Non-Fee**

This course provides an introduction to the identification and preparation of vegetables, starches and fruits. Emphasis will be placed on the identification and application of basic nutrition principles as they apply to the food service industry. (FT)

**Culinary Arts V**  
**FDNT 675**  
**Non-Fee**

This course provides an introduction into the principles of baking. The identification of ingredients and products will be studied with a special emphasis on breakfast cookery. (FT)

**Culinary Arts VI**  
**FDNT 676**  
**Non-Fee**

This course provides an introduction to restaurant economics. Topics will include menus, recipe conversions, management and supervision. (FT)

**Culinary Arts Advanced I**  
**FDNT 683**  
**Non-Fee**

This course provides an overview of current trends in the culinary industry, restaurant operations, and the basic knowledge required to design and open a food service business. Topics will include:
molecular culinary terminology, molecular product identification, flavor affinities, business plan development, marketing, restaurant law, and restaurant concept development. Students will also learn how to prepare dishes using molecular gastronomy techniques. (FT)

Culinary Arts Advanced II

FDNT 684

Non-Fee

This course provides an overview of sustainable food systems, food and beverage management, front end operations and professional table service. Topics will include: farm-to-table concepts, purchasing and cost control, human resources and restaurant leadership and management. Students will also learn the basics of food and beverage pairing, as well as the preparation of seasonal dishes utilizing sustainable local ingredients. (FT)

Culinary Arts and Sciences I

FDNT 681

Non-Fee

This course provides an overview of the culinary arts industry and the basic knowledge and skills required for entry-level positions in the culinary arts profession. Topics will include: culinary terminology, industry history, food safety and sanitation, tools, equipment, knife skills, and food service operations. Students will also learn the preparation of stocks, sauces and soups, bakeshop products, breakfast cookery, and American regional cuisine. (FT)

Culinary Arts and Sciences II

FDNT 682

Non-Fee

This course provides an introduction to the principles of meat and seafood cookery, garde manger, nutrition fundamentals, and restaurant economics. Topics will include: principles of protein identification and fabrication, vegetable, fruit, and starch identification and preparation, and international cuisine. Students will also learn about restaurant management, standards, and menu development including food costing. (FT)

Eat for a Healthy Lifestyle

FDNT 605

Non-Fee

Learn how to eat for optimum fitness. Information for all age groups on choosing nutrient-dense foods for maximum energy and health. Learn about diet/exercise and diet/disease interaction to enhance an active, healthy lifestyle. Menu planning/preparation ideas include light and lean breakfasts, lunches and dinners as well as foods that travel (snacks, picnics, etc.) mini-meals and low-calorie desserts. (FT)

Alternate Title(s): Healthy Dining For All Ages; Introduction To Healthy Dining

Ethnic/Regional Foods

FDNT 620

Non-Fee

Prepare and serve a variety of ethnic and regional foods. Compare ingredients, cooking techniques and traditions of differing cultures. Ideas for nutritious family meals and affordable entertaining included, as well as recipe adaptation methods to achieve maximum nutrition. (FT)

Intro to Hospitality Careers

FDNT 501

Non-Fee

This course introduces students to the hospitality industry, and its employment opportunities. Students will learn about the hospitality industry past and present, the various segments of the industry (i.e. restaurants, hotels, catering, personal chef businesses, etc.), and career opportunities. Topics include industry terminology, retrospective from grande cuisine to current cuisine and trends, major labor market segments, employability skills, and soft skills that apply to the work environment. (FT)

Meal Planning Essentials

FDNT 619

Non-Fee

Advisory: FDNT 501 Intro to Hospitality Careers.

This course provides an introduction to nutritional meal and menu planning, recipe development, and food creation within a variety of production settings. Topics will include: menu structures and design, recipe selection, identification of sources, quality standards, nutritional ingredient availability, seasonality, menu planning costs, health coaching techniques, and identifying behavioral changes needed to improve long-term eating habits. Students will also learn how to modify and improvise recipes, as well as recipe and ingredient costing. (FT)

Menu Planning

FDNT 610

Non-Fee

New ideas for exciting meals. Enhance your family’s or client’s eating patterns with nutritious meals that are attractive and reasonable in costs. (FT)

Alternate Title(s): Menu Planning Basics

Microwave Cooking

FDNT 635

Non-Fee

Learn techniques for microwave cooking. Recipe adaptation, nutritional food values and food preparation techniques taught. Purchase, care,
and use of microwave ovens and cooking utensils included. (FT)

**Nutrition Basics**  
**FDNT 601**  
**Non-Fee**

This course provides an introduction to nutrition, including the current Food Guide Pyramid, cholesterol, fats, sugar, sodium, vitamins and minerals. Emphasis will be placed on practical application of food selection and recipe modification to maximize the nutritional value of foods. (FT)  
*Alternate Title(s): Introduction To Nutrition; Nutrition One*

**Nutrition Essentials**  
**FDNT 618**  
**Non-Fee**

*Advisory: FDNT 501 Intro to Hospitality Careers.* This course provides an introduction to the basic scientific principles of nutrition and their relationship to human health. Topics will include essential nutrients and how they influence bodily processes, scientific concepts, national nutrition standards, food sources, food safety and sanitation, cooking principles for maximum nutrient retention, and cultural dietary habits. In addition, students will also learn to analyze dietary intake, and its relationship to client and personal wellness. (FT)

**Pastries and Desserts**  
**FDNT 625**  
**Non-Fee**

Learn the art of perfectly baked pastries and desserts. Tips on recipe and ingredient selection, methods of obtaining flaky, light dough, attractive appearance, and time-saving techniques, as well as baking, shaping, and storage tips. (FT)

**Professional Bakeshop Skills**  
**FDNT 627**  
**Non-Fee**

Learn beginning bakeshop skills, baking and pastry making. Explore the basic culinary skills in the baking industry from baking theory and techniques to hands-on production techniques used in working kitchens and bakeries. Students will prepare a variety of bakeshop products. Basic plating techniques will be highlighted. (FT)  
*Alternate Title(s): Beginning Bakeshop Skills; Professional Bakeshop Skills 1*

**Time-Saving Cooking**  
**FDNT 615**  
**Non-Fee**

Learn to make cooking fast and easy using timesaving menu planning and food preparation techniques. This course includes how to select nutritious foods using the current food pyramid, safety and sanitation techniques and the selection and use of various time-saving kitchen equipment, appliances and tools. (FT)  
*Alternate Title(s): Cooking For Busy People*

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### Health Education (HEAL)

**Brain Fitness**  
**HEAL 540**  
**Non-Fee**

This course is designed to teach adults age 55 and older how to train and exercise the brain, make lifestyle choices to optimize brain health, strengthen and enhance cognitive function, and quell or reverse the effects of neurodegenerative decline. Students learn how to use scientifically designed cognitive exercises to strengthen and improve neurological processes. (FT)  
*Alternate Title(s): Brain Health, Brain Fitness Basics, Brain Fitness Topics*

**Health Education**  
**HEAL 690**  
**Fee**

This course is designed to teach a variety of health topics from physical fitness to health and well being. Topics may include aspects of physical and mental health, including fitness, weight control, nutrition, safety, memory improvement and disease maintenance and prevention. (FT)  
*Alternate Title(s): Aerobics; Dance; Personal Training; Qi Gong; Rhythmic Exercise; Strength Training; Swimming; Tai Chi; Yoga*

**Health Education–Family**  
**HEAL 520**  
**Non-Fee**

Health related problems as they affect individuals and the family. (FT)  
*Alternate Title(s): Contemporary Human Medicine; How to Breastfeed Your Baby*

**Health Education–Older Adult**  
**HEAL 525**  
**Non-Fee**

This course is designed to enhance the health and well-being of older adults. Strategies to age in a healthy manner are introduced via a variety of topics, which cover preventive health care, nutrition, exercise, stress reduction, physiological, psychological and social aspects of aging. Instruction includes activities designed to improve quality of life by enhancing mental and physical health. Activities
of daily living are incorporated into individual plans to reach personal goals for healthy aging. (FT)

**Mind and Body Control**  
**HEAL 535 Fee**

The purpose of this course is to help students develop increased physical well-being, greater self-confidence and poise and to gain greater powers of concentration. Music will be used for certain exercises at the discretion of the instructor. Under the instructor’s guidance students practice systematic exercises, body postures, and mental disciplines. (FT)

*Alternate Title(s):* Acupressure; Applied Kinesiology; Body Language; Building Your Self-Esteem; Coping With Stress; Do's And Don'ts Of Jogging; Exercise To Music; Holistic Health; Holistic Home Health Care; Job Stress; Non-Verbal Communication; Stress Reduction; Visual Relaxation

**Acute Care Nurse Assistant**  
**HLTH 607 Non-Fee**

*Advisory:* Proof of current California Nurse Assistant Certification required by clinical sites. Health and background review required for clinical participation by California Department of Public Health and the clinical site. This may include current (subject to change): proof of negative tuberculosis screening, physical exam, immunizations, Livescans, background checks, and drug screening. This course prepares the student to perform basic nursing care in an acute care hospital setting under the supervision of a licensed Registered or Vocational Nurse. Areas covered are medical and surgical patient care, oncology, orthopedics, obstetrics, and maternal-child care. Infection control, anatomy and physiology, medical terminology, psychosocial needs, and communication and reporting methods are integrated throughout the course. An emphasis will be placed on providing safe and efficient care in a diverse patient setting. (FT)

**Adv/Hospital Cent Svc Tech**  
**HLTH 602 Non-Fee**

*Advisory:* Completion of Hospital Central Service Technology 100, Health 601 or equivalent. An in-depth study of the processes and procedures utilized in the Central Service Department of a hospital in order to prepare the technicians to function more effectively in providing care and safety to the patients. In order to successfully complete HLTH 602, students must provide written proof that they have satisfactorily completed a minimum of 100 hours of voluntary clinical practice in a Central Service Department. Students will be required to purchase and show proof of malpractice insurance. (FT)

**Behavioral Health Aide**  
**HLTH 611 Non-Fee**

This course provides students with a basic overview of the role of a behavioral health aide and prepares them for entry-level employment. The course defines behavioral and mental health diseases, their causes, signs and symptoms, and prognosis. Students are trained to assist adults, adolescents, and pediatric patients with social, personal, behavioral, and mental health issues. Students will learn strategies for working with individuals with mental and behavioral health challenges while providing nursing care and physical safety. (FT)

*Alternate Title(s):* Mental Health Nurse Assistant

**Health Unit Coordinator Basics**  
**HLTH 613 Non-Fee**

This course provides instruction in the definition and pronunciation of basic medical terms and vocabulary used in the health care industry. Medical terminology will be taught using an anatomy and systems approach and will include the use of prefixes and suffixes. Students will learn terminology related to diseases, laboratory tests, imaging, surgical and treatment procedures, and basic terms related to specialized areas of medicine. (FT)

**Healthcare Careers**  
**HLTH 609 Non-Fee**

This course provides an overview of the healthcare industry, career opportunities and the basic knowledge required for entry-level positions in the healthcare profession. Topics include: business aspects of healthcare, delivery systems, services and specialties, regulations and mandates, workplace communication, safety issues, professional conduct, career pathways, and employment readiness. (FT)

**Home Health Aide**  
**HLTH 606 Non-Fee**

*Advisory:* Current California Nurse Assistant Certification.

This course prepares Certified Nurse Assistant's for certification as a Home Health Aide by the
California Department of Public Health (CDPH). This certification allows students to function as an entry-level worker on a health care team or with a home health agency. Training will include, medical and social needs of the client, personal care services, nutrition, and cleaning and care tasks in the home. (FT)

**Intro/Hospital Cent Svc Tech**  
HLTH 601  
Non-Fee

Introduces the varied processes and procedures utilized in the Central Service Department of a hospital and prepares the technicians to function effectively in providing care and safety to the patients. (FT)

**Medical Terminology**  
HLTH 612  
Non-Fee

This course provides instruction on the responsibilities for the coordination of non-clinical activities related to patient care and the department (unit). Topics include overview of the healthcare industry, scheduling diagnostic tests and treatments, assisting with processing of orders, maintaining an organized unit, managing medical charts, supplies, equipment, and workflow in the health care setting. Communication skills and soft skills necessary to interact with patients, visitors, healthcare workers, and other healthcare professionals are integrated throughout the course. (FT)

**Nursing Assistant Training**  
HLTH 605  
Non-Fee

*Advisory:* Proof of current California Nurse Assistant Certification required by clinical sites. Health and background review required for clinical participation by California Department of Public Health and the clinical site. This may include current (subject to change): proof of negative tuberculosis screening, physical exam, immunizations, Livescans, background checks, and drug screening. This course will prepare the student for the California Nurse Assistant certification exam and for employment as an entry-level health care worker in a skilled nursing facility or other healthcare organization or agency. The student will gain knowledge of basic nursing theory and practice nurse assistant procedures. This course is approved by the California Department of Public Health. Successful completion of this course enables student to take California’s Nurse Assistant Competency Exam to become a Certified Nurse Assistant in California. (FT)

**Personal and Home Care Aide**  
HLTH 610  
Non-Fee

*Advisory:* Successful completion of HLTH 609 Healthcare Careers  
This course prepares the student to provide personal care to individuals in their homes and for employment in home care agencies and assisted living facilities. Instruction includes the role of the personal and home care aide or caregiver and procedures for assisting clients in performing their activities of daily living. Topics include communication, basic nursing skills, home safety, infection control, use of adaptive equipment, basic nutrition and meal preparation. Maintaining a clean, safe environment, emergency procedures, and workplace skills are integrated throughout the course. (FT)

**Restorative Nurse Assistant**  
HLTH 608  
Non-Fee

*Advisory:* Current California Certified Nurse Assistant certificate or work experience and/or courses in nursing or personal care assistant. This course will expand the knowledge and skills of the Certified Nurse Assistant, as well as expand on the principles of rehabilitative nursing, to work as a Restorative Nurse Assistant in a skilled nursing facility or rehabilitation center. Students will learn to use interventions that promote a patient’s ability to adjust to living. Areas of instruction include supporting participation in activities of daily living, mobility, exercises, and practical experience using adaptive devices. This course is beneficial for caregivers and healthcare workers who provide basic nursing care. (FT)  
*Alternate Title(s):* Rehabilitative Nursing

**Custodial Training**  
HMID 500  
Non-Fee

To acquaint the student with the duties, functions and responsibilities related to custodial occupations. (FT)

**Upholstery**  
HMID 535  
Non-Fee

*Advisory:* HMID 534 – Basic Upholstery Skills. This is an open entry/exit, competency based course providing training and hands-on experience for entry-level employment in the furniture upholstery
and related industries. Practical instruction is conducted in a real world business environment with tools and equipment used in the industry today. Competency standards are approved by the industry advisory board. (FT)

Alternate Title(s): Furniture Upholstery

Human Development (HMDV)

Adoptive Parenting HMDV 678 Non-Fee
This course addresses developmental issues surrounding adoption, the role of birth parents in the adoption process and guidelines for adoptive parents to help children understand their adoption story. Prospective adoptive parents are introduced to the various adoption opportunities; public agency, private agency, independent adoption, international adoption, closed adoption and open adoption. (FT)

Alternate Title(s):

Furniture Upholstery

Child Development 5 Volunteer HMDV 525 Non-Fee
Designed to help students develop skills as an elementary school parent volunteer or paid worker. Classes will include: discussions on positive ways of working with preschool/elementary school age children; foundation of child growth and development; techniques that foster healthy self-esteem and establish confidence in a learner; positive and effective communication skills; school readiness skills; and establishing community partnerships and resources. Experience working in the school library, computer center, health center and classrooms will be included. (FT)

Early Learner Brain Dance HMDV 586 Non-Fee
With music-based movement and dance, rhythms, rhymes and singing, this course will explore how physical activity supports cognitive learning and social-emotional development in infants and young toddlers. Using multi-sensory props and instruments, students will experience how music and movement promote and sustain early developmental patterns necessary for building a strong foundation between body and brain. Laboratory portion of the course may require students to participate in activities along with children ages 0 to 24 months. (FT)

Early Learner Outdoor Enrich HMDV 591 Non-Fee
This introductory course focuses on development of the 2-5 year-old child in outdoor settings. The physical, cognitive and social-emotional benefits of outdoor play and activity for families and children will be emphasized. Students develop ecological and environmental awareness of local outdoor community resources. Students experience, plan and create safe and appropriate outdoor spaces, caring for and stimulating the positive development of 2-5 year-olds in outdoor settings. Students will explore careers and educational pathways in Early Childhood Care and Education. (FT)

Alternate Title(s):

Childcare Provider Training

Emerging Topics–Parent Ed HMDV 699 Non-Fee
This course examines emerging topics and technologies in the field of Parent Education. May be offered for two semesters only. (FT)
Alternate Title(s): Childcare Provider Training

Family Preparation–Childbirth HMDV 540 Non-Fee
This course provides the student with information and techniques to help prepare for a positive birth experience. The course focuses on how to have a healthy pregnancy through nutrition, exercise, and relaxation. The Lamaze method of childbirth education is demonstrated. (FT)
Alternate Title(s): Childbirth Preparation

Foundations of Child Care HMDV 575A Non-Fee
Advisory: ESL Level 6 or equivalent.
An introduction to the foundations of early childcare, including: basic child development, health and safety, nutrition, and behavior management and discipline. Course includes practical guidelines for childcare and explores options for careers and vocations in early childcare. (FT)

Foster Parenting HMDV 675 Non-Fee
A training course for individuals currently licensed or interested in becoming licensed as a foster parent. The course also includes the next step of becoming an adoptive parent. Topics include an overview of foster parenting and adoptive parenting programs, health issues, the impact of fostering or adopting on family dynamics, the effects of abuse and neglect on child development and self-esteem issues for foster and adoptive families. (FT)
Infant Development & Care  HMDV 580  Non-Fee
Students gain knowledge of the physical, cognitive and social/emotional development that takes place during the first year of life. Focus of the course will include ideas for creating a caring and enriching environment that promotes positive infant development and developing skills in family communications, problem-solving and stress reduction for caregivers. Students will explore careers and vocations in Early Childhood Care and Education. (FT)

Instruction Aide II  HMDV 571B  Non-Fee
Introduction to principles of applied behavior analysis (ABA) for the purpose of providing instructional support to individuals with disabilities. This course provides an overview of the following: ABA teaching strategies; reinforcement; functions of behavior; areas for intervention; behavioral terms; data collection; and standards in communication and training. (FT)

Infant and Toddler Brain Dance  HMDV 585  Non-Fee
With music-based movement and dance, rhythms, rhymes and singing, this course will explore how physical activity supports cognitive learning and social-emotional development in infants and young toddlers. Using multi-sensory props and instruments, students will experience how music and movement promote and sustain early developmental patterns necessary for building a strong foundation between body and brain. Laboratory portion of the course may require students to participate in activities along with children ages 0 to 24 months. (FT)

Intro to Child Care Business  HMDV 575B  Non-Fee
Advisory: ESL Level 6 or equivalent. An introduction to topics common to childcare providers, including: licensing, record keeping and insurance; safety, facility preparation and regulations; illness and injury prevention; creative and enriching activities; communication with parents; and menu planning. Course includes practical guidelines for building and/or working in successful and nurturing childcare environments. (FT)

Instruction Aide I  HMDV 571A  Non-Fee
Introduction to providing instructional support to individuals with disabilities in multiple settings. This course provides an overview of the following: characteristics of disabilities; simple teaching strategies; laws and regulations related to working with children with disabilities; professional responsibilities; possible work settings and duties. (FT)

Multi-Age Development & Care  HMDV 584  Non-Fee
Students learn how to care for and nurture development for multi-age children in an early childhood environment. Emphasis on addressing topics related to the care and nurturing of multiple children include: sibling adjustment, birth order, temperament, family dynamics and parenting styles, communication and stress management, effective discipline and age and gender considerations. Students explore careers and vocations in Early Childhood Care and Education. (FT)

Intro to Child Care Business  HMDV 575B  Non-Fee
Advisory: ESL Level 6 or equivalent. An introduction to topics common to childcare providers, including: licensing, record keeping and insurance; safety, facility preparation and regulations; illness and injury prevention; creative and enriching activities; communication with parents; and menu planning. Course includes practical guidelines for building and/or working in successful and nurturing childcare environments. (FT)

Instruction Aide I  HMDV 571A  Non-Fee
Introduction to providing instructional support to individuals with disabilities in multiple settings. This course provides an overview of the following: characteristics of disabilities; simple teaching strategies; laws and regulations related to working with children with disabilities; professional responsibilities; possible work settings and duties. (FT)

Instruction Aide II  HMDV 571B  Non-Fee
Introduction to principles of applied behavior analysis (ABA) for the purpose of providing instructional support to individuals with disabilities. This course provides an overview of the following: ABA teaching strategies; reinforcement; functions of behavior; areas for intervention; behavioral terms; data collection; and standards in communication and training. (FT)

Intro to Child Care Business  HMDV 575B  Non-Fee
Advisory: ESL Level 6 or equivalent. An introduction to topics common to childcare providers, including: licensing, record keeping and insurance; safety, facility preparation and regulations; illness and injury prevention; creative and enriching activities; communication with parents; and menu planning. Course includes practical guidelines for building and/or working in successful and nurturing childcare environments. (FT)

Multi-Age Development & Care  HMDV 584  Non-Fee
Students learn how to care for and nurture development for multi-age children in an early childhood environment. Emphasis on addressing topics related to the care and nurturing of multiple children include: sibling adjustment, birth order, temperament, family dynamics and parenting styles, communication and stress management, effective discipline and age and gender considerations. Students explore careers and vocations in Early Childhood Care and Education. (FT)

Personal Develop/Growth Workshop  HMDV 575W  Workshop  Non-Fee
A course designed to develop techniques for improving one's self-image, personality, and physical attributes pertinent to career development and improving one's lifestyle. Pre-employment preparation. (FT)

School-Age: Theory & Skill Development  HMDV 595  Non-Fee
An introduction to the foundation of school-age childcare theory and skill development, including:
child development stages, problem solving, self-esteem, social pressures, building resiliency, cultural impact, resources and temperament. Course includes practical guidelines for childcare. (FT) Alternate Title(s): Understanding School-Agers I, School-Age Child Dev & Theory, School-Age Self-Esteem, School-Age Development & Care I, 6 To 12 Years Dev & Care I

School-Age: Guidance & Curricula HMDV 596 Non-Fee

An introduction to the foundation of school-age childcare curriculum planning and guidance including: positive guidance techniques, conflict management, program planning, curriculum development, enrichment activities and communication skills. Course includes practical guidelines for managing a classroom of school-agers, establishing a safe nurturing environment and communicating effectively. Alternate Title(s): Understanding School-Agers II, Guidance for School-Agers, Intro to Classroom Management, School-Age Dev & Care II, 6 To 12 Years Dev & Care II (FT)

Two-Year-Old Dev & Care HMDV 582 Non-Fee

Students learn about the physical, cognitive and social-emotional development of the 24-36 month-old, including developmentally appropriate expectations and behavior. Focus is placed on the importance of independence, self-regulation, language development, play and learning, safety, and wellness in two-year-olds. Students will explore careers and vocations in early childhood care and education. (FT)

Three to Five Yr-Old: Emergent Literacy HMDV 593 Non-Fee

This course focuses on the normative development of language and speech acquisition including emerging communication, spoken and written language, and recognition of developmental concerns. The knowledge gained will prepare students to develop and implement preschool emerging literacy programs that address individualized needs, inclusion, curriculum, and classroom mechanics. (FT)

Three to Five Yr-Old: STEAM Education HMDV 594 Non-Fee

This course provides a specialized understanding of the theories, benefits, and applications of science, technology, engineering, arts, and math (STEAM) education in a preschool classroom. The knowledge gained will prepare students to develop and implement STEAM education activities that address individualized needs, curriculum best practices, and classroom mechanics, in an equitable and inclusive preschool setting.

Toddler Development & Care HMDV 581 Non-Fee

This course provides the student with information on the physical, cognitive, social, and emotional development of children from 12 months of age to 23 months of age (Toddlers). Emphasis is placed on creating safe and nurturing environments and how toddlers learn and develop through play. Students explore careers and vocations in Early Childhood Care and Education. (FT)

Three to Five Yr-Old Dev & Care HMDV 583 Non-Fee

Course focus is on the physical, cognitive, and socio-emotional development and education of the three to five-year-old child. Emphasis is on learning how to create a nurturing and safe environment which fosters emerging skills and school preparedness. Students develop communication and problem solving skills while planning and implementing developmentally appropriate activities with children in a classroom setting. (FT)
**Adult Orientation and Guidance**  
**HSDP 400**  
*Non-Fee/High School Credit Only*  
Introduces the student to a continuing education center setting and provides an opportunity for individualized assessment and academic evaluation. The course will also enable the student to define career and personal goals and objectives through guidance activities. Students will also be given support in student persistence. (FT)

**Algebra 1–2, Semester 1**  
**HSDP 506**  
*Non-Fee/High School Credit Only*  
*Advisory:* Pre-Algebra, Semester 1 and 2, or equivalent.  
This is the first semester of a two semester course covering the fundamental concepts of Algebra. Through the study of Algebra a student develops an understanding of the symbolic language of mathematics and the sciences. Algebraic skills and concepts are developed and used in a wide variety of problem solving situations. (FT)

**Algebra 1–2, Semester 2**  
**HSDP 507**  
*Non-Fee/High School Credit Only*  
*Advisory:* Algebra 1-2, Semester 1.  
This is the second semester of a two semester course covering the fundamental concepts of Algebra. Through the study of Algebra a student develops an understanding of the symbolic language of mathematics and the sciences. Algebraic skills and concepts are developed and used in a wide variety of problem solving situations. (FT)

**Algebra 3–4**  
**HSDP 465**  
*Non-Fee/High School Credit Only*  
*Advisory:* Successful completion of Algebra 1-2.  
This two semester course complements and expands the mathematical content and concepts of Algebra 1-2 and Geometry. Students who master Algebra 3 gain experience with algebraic solutions of problems in various content areas, including the solution of systems of quadratic equations, logarithmic and exponential functions, and the complex number system. (FT)  
*Alternate Title(s):* Algebra 3–4, First Semester

**Algebra 3–4, Second Semester**  
**HSDP 466**  
*Non-Fee/High School Credit Only*  
This two semester course complements and expands the mathematical content and concepts introduced in Algebra 3–4, first semester. Algebra 4 covers systems of equations and inequalities, quadratic functions and their graphs, nonlinear inequalities, binomial theorem, sequences and series, and solid geometry. The course includes application problems involving the topics covered. (FT)

**American Literature 1 & 2**  
**HSDP 414**  
*Non-Fee/High School Credit Only*  
The first semester of American Literature emphasizes skills and strategies for independent reading, analyzing, and writing about works of American literature from its beginning to the late 19th century. Students read and discuss the authors of this period addressing relevant social, political, cultural and religious issues. Instruction in each standards-based unit of study interrelates reading, writing, oral communication, and language study. (FT)  
*Alternate Title(s):* American Literature 1 & 2, Sem 1

**American Literature 1 & 2, Sem 2**  
**HSDP 416**  
*Non-Fee/High School Credit Only*  
The second semester of American Literature emphasizes skills and strategies for independent reading, analyzing, and writing about works of American literature from the late 19th century to the present. Relevant social, political, cultural, and religious issues in works from the Age of Realism, the Modernist Period, and the Post Modern Era are discussed. Instruction in each standards-based unit of study interrelates reading, writing, oral communication, and language study. (FT)

**Biology 1**  
**HSDP 511**  
*Non-Fee/High School Credit Only*  
This is the first course of a two course Biology series. Students will be introduced to biology and use experimentation and inquiry to explore the basic concepts of biological science. Cellular structure, function and structure of plants and animals, genetics, evolution, and ecological relationships will be covered. The laboratory component is online using virtual software. (FT)

**Biology 2**  
**HSDP 512**  
*Non-Fee/High School Credit Only*  
*Advisory:* HSDP 511 Biology 1.  
This is the second course of a two course Biology series. Students will use experimentation and inquiry to explore the basic concepts of biological science, including principles of classification, plant and animal diversity, and the functions of human systems. The laboratory component is online using virtual software. (FT)
Contemporary Voices 1  
HSDP 413A  
Non-Fee/High School Credit Only
The first semester of a two semester course in which students explore issues presented by contemporary American and world writers from diverse cultural and ethnic backgrounds. Students will learn how to write for various purposes and audiences. The standards-based units of study integrate all aspects of literacy: reading, writing, speaking, and listening. Students will interpret and evaluate the media and graphic information. (FT)

Contemporary Voices 2  
HSDP 413B  
Non-Fee/High School Credit Only
The second semester of a two semester course in which students will further explore issues presented by contemporary American and world writers from diverse cultural and ethnic backgrounds. Students will build on writing skills, including writing for various purposes, audiences and arguments. The standards-based units of study integrate all aspects of literacy: reading, writing, speaking, and listening. Students will interpret and evaluate the media and graphic information. (FT)

Economics  
HSDP 432  
Non-Fee/High School Credit Only
This one semester course deepens students’ understanding of the economic problems and institutions of the nation and world. Students learn to make reasoned decisions on economic issues through the study of fundamental economic concepts, comparative economic systems, microeconomics, macroeconomics, and international economics. (FT)

Earth Science 1  
HSDP 513  
Non-Fee/High School Credit Only
This course provides an introduction to the scientific method, the geographic coordinate system, the solar system, the composition of earth, and dynamic earth processes. The laboratory component utilizes both hands-on and online activities. (FT)

Earth Science 2  
HSDP 514  
Non-Fee/High School Credit Only
This course will introduce students to historic geology, California geology, surface processes, atmospheric and oceanic sciences, and resources and the environment. The laboratory component utilizes both hands-on and online activities. (FT)

English 3-4  
HSDP 409  
Non-Fee/High School Credit Only
The course content focuses on teaching students skills and strategies for critical, and functional independent reading, as well as the writing of increasingly complex expository and narrative texts. Instruction in each standards-based unit of study interrelates reading, writing, oral communication and language study. (FT)
Alternate Title(s): English 3-4, First Semester

English 3-4, Second Semester  
HSDP 411  
Non-Fee/High School Credit Only
In this course, students read, analyze, discuss and think critically using a variety of works and sources. Students write essays and other types of texts for various purposes and audiences that demonstrate effective logical, and precise presentation of ideas. Instruction in each standards-based unit of study interrelates reading, writing, oral communication and language study. (FT)

English Composition 5-6  
HSDP 412  
Non-Fee/High School Credit Only
This two semester course is designed to improve written language skills in real communication situations. Includes informative, narrative, descriptive, and persuasive writing. The students will demonstrate these writing skills through forms, letters, reports, essays and other types of written communication. (FT)

Independent Study  
HSDP 403  
Non-Fee/High School Credit Only
Advisory: See specific course outline.
This course is designed as an alternative approach to classroom instruction using a variety of instructional materials specifically selected for mastery of course objectives. Students receive individualized course materials developed to meet their specific educational needs. Skills assessment is an advisory to the selection of appropriate instructional media or delivery systems. The goal of the instructor who is utilizing instructional technology as an alternative approach is to put learning as much as possible in the hand of the learner. (FT)

Math B-Semester 1  
HSDP 502  
Non-Fee/High School Credit Only
This is the first semester of a two semester course covering fundamental mathematical concepts and serving as a bridge between basic calculation skills and the study of algebra and geometry. It is
tailored to a concrete learning style and provides opportunities for exploration, investigation, and reasoning while encouraging cooperative learning. The course integrates the themes of numbers and patterns, geometry and measure, statistics, graphical investigations, and algebra. (FT)

**Math B-Semester 2**  HSDP 503
*Non-Fee/High School Credit Only*

*Advisory: Math B-Semester 1 or equivalent.*

This is the second semester of a two semester course covering fundamental mathematical concepts and serving as a bridge between basic calculation skills and the study of algebra and geometry. It is tailored to a concrete learning style and provides opportunities for exploration, investigation, and reasoning while encouraging cooperative learning. The course integrates the themes of numbers and patterns, geometry and measure, statistics, graphical investigations, and algebra. (FT)

**Physics 1**  HSDP 461
*Non-Fee/High School Credit Only*

The course emphasizes developing a qualitative conceptual understanding of general principals and models, and the nature of science. It is an introductory course to physics and meets the California State Standards and the expressed goal to support science literacy with a curricula that promotes higher level thinking and application of concepts. (FT)

**Pre-Algebra, Semester 1**  HSDP 500
*Non-Fee/High School Credit Only*

This is the first semester of a two semester course designed to prepare the student for success in a college preparatory sequence of mathematics courses. The student masters pre-algebraic skills and concepts as a foundation for Algebra 1. (FT)

**Pre-Algebra, Semester 2**  HSDP 501
*Non-Fee/High School Credit Only*

*Advisory: Successful completion of Pre-Algebra, Semester 1 or equivalent.*

This is the second semester of a two semester course designed to prepare the student for success in a college preparatory sequence of mathematics courses. The student masters pre-algebraic skills and concepts as a foundation for Algebra 1. (FT)

**Reading Improvement**  HSDP 415
*Non-Fee/High School Credit Only*

This course is designed to improve the student’s reading skills in word attack, literal and interpretive comprehension using group, individual and computer assisted instruction. Upon completing the course the student will be able to demonstrate improved performance on reading tasks insuring their success in their educational, personal and professional goals. (FT)

**Unifying Algebra/Geometry 1**  HSDP 467A
*Non-Fee/High School Credit Only*

*Advisory: 1st year Algebra or Algebra Explorations 9 and Geometry.*

Semester one of a two semester course is designed to review and strengthen the concepts taught in both Algebra 1-2 and Geometry 1-2. After completing the two courses, students will be prepared to enroll in Intermediate Algebra 1-2. In algebra, students develop an understanding of the symbolic language of mathematics and the sciences as well as algebraic skills and concepts to be used in a wide variety of problem-solving situations. In geometry students will learn to construct formal, logical arguments and proofs in geometric settings and problems. (FT)

**Unifying Algebra/Geometry 2**  HSDP 467B
*Non-Fee/High School Credit Only*

*Advisory: 1st year Algebra or Algebra Explorations 9 and Geometry.*

Semester two of a two semester course is designed to review and strengthen the concepts taught in both Algebra 1-2 and Geometry 1-2. After completing the two courses, students will be prepared to enroll in Intermediate Algebra 1-2. In algebra, students develop an understanding of the symbolic language of mathematics and the sciences as well as algebraic skills and concepts to be used in a wide variety of problem-solving situations. In geometry students will learn to construct formal, logical arguments and proofs in geometric settings and problems. (FT)

**United States Government 1**  HSDP 427
*Non-Fee/High School Credit Only*

The course covers the principles and development of the governmental system of the United States, the State of California and local government, including the study of the constitution and the organization and functions of the three branches of government; and the rights and duties of citizens. (FT)
United States History 1  HSDP 433  Non-Fee/High School Credit Only
This is the first semester of a two semester course which examines the major turning points in American history through the Great Depression. Students will focus on the origins of the United States, key pre-World War II events including the Progressive Era, American participation in World War I, and the Great Depression. The course emphasizes the relevance of history to students' daily lives and helps them to understand how the ideas and events of the past shape the institutions and debates of contemporary America. (FT)

World Hist/Geography/Econ 1  HSDP 478  Non-Fee/High School Credit Only
In the first semester of a two semester class students examine major turning points in the shaping of the modern world, from the late eighteenth century to the end of World War I. The course provides an introduction to current world issues with a focus on the expansion of the West and the growing interdependence of people and cultures throughout the world. (FT)

World Hist/Geography/Econ 2  HSDP 479  Non-Fee/High School Credit Only
In the second semester of a two semester course students examine major turning points in the shaping of the modern world, from World War II to the present. The course provides an introduction to current world issues with a focus on the expansion of the West and the growing interdependence of people and cultures throughout the world. (FT)

HSEP for Mathematics 1  HSEP 400  Non-Fee
This course introduces and reviews basic math skills including computation of whole and rational numbers, data analysis, mathematical reasoning and problem solving skills. Upon completion and demonstration of competence, students will be prepared to continue instruction in HSEP for Mathematics 2. (FT)

HSEP for Mathematics 2  HSEP 401  Non-Fee
Advisory: HSEP for Mathematics 1. The HSEP for Mathematics 2 course provides instruction in critical thinking in the context of algebra and geometry. This course is designed to prepare students to pass a high school equivalency examination in mathematics. (FT)

HSEP for Reading 1  HSEP 402  Non-Fee
This course introduces and reviews reading skills in the areas of reading comprehension, vocabulary, and the critical thinking needed in order to prepare for a High School Equivalency Exam. Upon completion and demonstration of competence, students will be prepared for HSEP 2 level courses. (FT)

HSEP for Reading 2  HSEP 403  Non-Fee
Advisory: HSEP for Reading 1. High School Equivalency Preparation (HSEP) for Reading 2 is offered as an alternative instructional approach to the High School Diploma Program; and, is designed to prepare students to pass a high school equivalency examination in reading. (FT)

HSEP for Writing 1  HSEP 404  Non-Fee
Advisory: HSEP for Reading 1. High school equivalency preparation (HSEP) for Writing is offered as an alternative instructional approach to the High School Diploma Program; and, is designed to prepare students to pass a high school equivalency examination in writing. (FT)

HSEP for Writing 2  HSEP 405  Non-Fee
Advisory: HSEP for Writing 1. High school equivalency preparation (HSEP) for Writing is offered as an alternative instructional approach to the High School Diploma Program; and, is designed to prepare students to pass a high school equivalency examination in science. (FT)
**HSEP for Social Studies**  
**HSEP 407**  
Non-Fee

*Advisory*: HSEP for Reading 1.

High school equivalency preparation (HSEP) for Social Studies is offered as an alternative instructional approach to the High School Diploma Program; and is designed to prepare students to pass a high school equivalency examination in social studies. (FT)

**Flux Cored Arc Welding**  
**INDT 606**  
Non-Fee

*Advisory*: Satisfactory completion of Gas Metal Arc Welding; basic computer knowledge and internet search skills.

An open-entry/open-exit course providing instruction in the utilizing of the Flux Cored Arc Welding Self Shielded (FACW-S) processes, on ferrous materials. Topics to be covered include orientation, safety, print reading, measuring tools, material cutting, FCAW-S practices and procedures. Workplace skills including math, communications and business ethics are integrated into the curriculum. Students successfully completing this course will be prepared for entry-level positions. (FT)

**Gas Metal Arc Welding**  
**INDT 605**  
Non-Fee

*Advisory*: Satisfactory completion of Shielded Metal Arc Welding II; basic computer and internet search skills.

An open-entry/open-exit course providing instruction in the Gas Metal Arc Welding (GMAW) and Flux Cored Arc Welding (FCAW) on ferrous and non-ferrous materials. Topics to be covered include orientation, safety, equipment, measuring tools, materials, cutting, GMAW and FCAW practices and procedures. Workplace skills including math, communications and business ethics are integrated into the curriculum. Students successfully completing this course will be prepared for entry-level positions. (FT)

**Gas Tungsten Arc Welding I**  
**INDT 621**  
Non-Fee

*Advisory*: Basic computer knowledge and internet search skills.

This is an open-entry/open-exit course that is designed to provide basic instruction and applied techniques in the Gas Tungsten Arc Welding (GTAW) process on ferrous sheet, tube, and pipe. Topics to be covered include orientation, safety, measuring tools, material types, metal cutting and GTAW procedures and practices. Workplace skills including math, communications and business ethics are integrated into the curriculum. Students successfully completing this course will be prepared for entry-level and/or journeyman positions. (FT)

**Gas Tungsten Arc Welding II**  
**INDT 622**  
Non-Fee

*Advisory*: Satisfactory completion of Gas Tungsten Arc Welding I; basic computer knowledge and internet search skills.

This is an open-entry/open-exit course that provides basic instruction and applied techniques in the Gas Tungsten Arc Welding (GTAW) process on non-ferrous materials. Topics include orientation, safety, measuring tools, material types, metal cutting and preparation. Workplace skills including math, communications and business ethics are integrated into the curriculum. Students successfully completing this course will be prepared for entry-level and/or journeyman positions. (FT)

**Industrial Blueprint Reading**  
**INDT 401**  
Non-Fee

Designed for industrial metal trades including aerospace, ship construction and component fabrication. Primarily blueprint interpretation and sketching of basic components. Includes the identification and use of basic lines, projections, dimensions, reference and technical data. Workplace skills including math, communications and business ethics are integrated into the curriculum. Students successfully completing this course will be prepared for entry-level or better positions. (FT)

**Metal Fabrication I**  
**INDT 631**  
Non-Fee

*Advisory*: Satisfactory completion of SMAW I, GMAW and GTAW I; basic computer knowledge and internet search skills.

This is an open-entry/open-exit course that is designed to teach skills required for entry-level employment in the metal fabrication trade. Students will learn how to interpret prints, use measuring tools, use shop equipment, layout, oxy-fuel and plasma cutting, and fitting metal using hydraulic, pneumatic and hand tools with precision. Students successfully completing this course will be prepared for entry-level positions in metal fabrication. (FT)
Metal Fabrication II INDT 632
Non-Fee

Advisory: Satisfactory completion of Metal Fabrication I and GMAW II; basic computer knowledge and internet search skills. This is an open-entry/open-exit course that is designed to teach skills required for entry-level employment in the metal fabrication trade. Students will learn how to interpret prints, use measuring tools, use shop equipment, layout, oxy-fuel and plasma cutting, and fitting metal using hydraulic, pneumatic and hand tools with precision. Students successfully completing this course will be prepared for entry-level positions in metal fabrication. (FT)

Pipe Welding I INDT 611
Non-Fee

Advisory: Satisfactory completion of Shielded Metal Arc Welding II; basic computer knowledge and internet search skills. This is an open-entry/open-exit course providing instruction in Pipe Welding using the Shielded Metal Arc Welding (SMAW) on ferrous materials. Topics include orientation, safety, print reading, measuring tools, material preparation, pipe welding practices and procedures. Workplace skills including math, communications and business ethics are integrated into the curriculum. Students successfully completing this course will be prepared for entry-level positions. (FT)

Pipe Welding II INDT 612
Non-Fee

Advisory: Satisfactory completion of Pipe Welding I; basic computer knowledge and internet search skills. This is an open-entry/open-exit course providing instruction in Pipe Welding using the Shielded Metal Arc Welding (SMAW) on ferrous materials. Topics include orientation, safety, print reading, metal cutting, preparation, pipe welding practices and procedures. Workplace skills including math, communications and business ethics are integrated into the curriculum. Students successfully completing this course will be prepared for entry-level positions. (FT)

Shielded Metal Arc Welding I INDT 601
Non-Fee

Advisory: Basic computer knowledge and internet search skills. This is an open-entry/open-exit course providing basic instruction in the Shielded Metal Arc Welding (SMAW) process on steel plates and shapes. Topics to be covered include orientation, safety, measuring tools, material types, metal cutting and preparation and SMAW procedures and practices. Workplace skills including math, communications and business ethics are integrated into the curriculum. Students successfully completing this course will be prepared for entry-level positions. (FT)

Shielded Metal Arc Welding II INDT 602
Non-Fee

Advisory: Satisfactory completion of Shielded Metal Arc Welding I; basic computer knowledge and internet search skills. This is an open-entry/open-exit course providing instruction in the Shielded Metal Arc Welding (SMAW) process on steel plate and shapes. Topics to be covered include orientation, safety, print reading, measuring tools, material preparation and SMAW and procedures. Workplace skills including math, communications and business ethics are integrated into the curriculum. Students successfully completing this course will be prepared for entry-level positions. (FT)

Career & College Readiness INDT 500
Non-Fee

This course is designed to prepare students for academic and professional success by developing behaviors that support this outcome. Students will develop self-discipline and empathy, in addition to communication, financial literacy and study skills. Emphasis is placed on identification and use of working styles, as well as creating and leading self-managed teams. Course work focuses on personal responsibility through self-management, self-awareness, social and physical wellness, while developing connections between behaviors, intentions, and purpose, and the pathway to achieving goals. (FT)

Career Development INDT 501
Non-Fee

Group and individual instruction, guidance and analysis of personal and career goals using a career development model that focuses on digital soft skills, assessment, exploration, decision-making and job search/action. Course includes assessment of related interests, skills, abilities, values, aptitudes and...
personality type. Topics include preparing for the job search; employment applications; resumes; cover letters; interviewing techniques and mock interview practice; grooming; job development/professional networking and job retention. (FT)
Alternate Title(s): Career Awareness; Career Decision Making; Job Search Techniques

General Civil Service Review  INTD 505  Non-Fee
This course offers an intensive review of the basic skills necessary to pass an employment test as well as help in developing job-search skills. The student will gain confidence and proficiency in taking tests, and in applying and interviewing for a job. (FT)
Alternate Title(s): Clerical Exam-Job Preparation

Interdisciplinary Studies  INTD 690  Fee
This course is designed to teach a variety of topics including current events, social studies, communications, community resources, international affairs, cultural diversity, personal rights, entitlements and legal issues. Some courses may be presented in a combination of formats to allow students to gain first-hand knowledge of a topic. (FT)
Alternate Title(s): Current Events; Effective Communications; Law and the Retiree; Travel

Sparetime Employment Dynamics  INTD 502  Non-Fee
This course is designed for people who are presently employed and/or retired and desire to be financially productive in their spare time. It provides vital knowledge, practical information and useful insight, in a step-by-step format, about today's spare time self-employment opportunities. A highly motivating, exciting course which builds a solid framework for employment success. (FT)
Alternate Title(s): Self Employment For Retired

Investments – A  INVS 515  Fee
This is a practical, everyday economics course on the fundamentals of investments. The student will be able to make more profitable financial decisions upon completion of this course which discusses savings accounts, insurance, real estate, stocks, bonds, mutual funds, and other types of investments for both the working and retired investor. The student will receive guidance in preparing his/her own financial and estate plan. (FT)
Alternate Title(s): Diversified Investment; Study the Stock Market

Preparing For Your Later Years  INVS 500  Non-Fee
Students in this class survey topics related to the whole journey of aging including retirement considerations, independent and community living, advanced directives and coordinating health care, long-term care, and more. This class also provides an integrated overview and discussion on various topics such as overview of wills, trusts, and estate topics. This course introduces basic legal concepts, but, importantly, it is not a legal workshop and does not provide legal, investment, or related advice. Students have a chance to learn and discuss at a general level. (FT)
Alternate Title(s): Looking Forward to Aging, Planning Your Retirement Years, Estate Planning Survey of Topics.

Law (LAWS)

Law and the Retiree – OA  LAWS 510  Non-Fee
This course is designed to introduce students who are 55 years and older to basic laws and relevant regulations at federal, state, and community levels that impact the daily life of seniors. Students will learn about different types of laws and consumer protection as they relate to current events and topics. Upon completion of the course, students will become more educated consumers of legal systems, services, agencies and online processes. This course is open to all adult students. (FT)
Alternate Title(s): Consumer Protection & Rights

Marketing (MARK)

Retail Selling  MARK 510  Non-Fee
Principles of selling products, services, and ideas. (FT)
Mechanical Technology (MECT)

Air Conditioning/Heating I MECT 431 Non-Fee
This is the first course of a two course program that provides entry-level training in heating and air conditioning occupations. Instruction in this course will cover the following areas: basic air conditioning and heating theory; heating fundamentals and appliances; requirements and controls; circuits; thermostats; schematics and communications. (FT)

Air Conditioning/Heating II MECT 432 Non-Fee
Advisory: Successful completion of Air Conditioning/Heating I is recommended.
This is the second course in a two course program that provides entry-level training in heating and air conditioning occupations. Instruction in this course will cover the following areas: gas and electric heating; cooling fundamentals, components and installation; heat pumps, general service, EPA certification, troubleshooting and job search techniques. (FT)

Plumbing I MECT 421 Non-Fee
Advisory: Students may be required to conform to safety-related dress codes.
This course provides entry-level training in plumbing occupations such as plumber’s helper, pipe layer, plumbing maintenance worker and parts clerk. Instruction will cover the following areas: plumbing systems and theories, plumbing codes, plumbing tools and materials, and safety practices and procedures. Students will use equipment that includes torches, cutoff saws, pipe threaders, pipe cutting tools and assorted hand tools. (FT)

Plumbing II MECT 422 Non-Fee
Advisory: Successful completion of Plumbing I is strongly advised. Students must pass basic plumbing and safety test with 100 percent accuracy. Students may be required to conform to safety-related dress codes.
This course is focused on the latest adopted Uniform Plumbing Code (UPC), the model plumbing code adopted by the State of California, published by the International Association of Plumbing and Mechanical Officials (IAPMO). Instruction also includes basic mathematics as it relates to the plumbing trade. (FT)

Plumbing III MECT 423 Non-Fee
Advisory: Successful completion of Plumbing I and II is recommended. Students may be required to conform to safety-related dress codes.
This course provides upgrade and advanced training in plumbing occupations. Instruction includes: layout and design, sizing of piping systems, materials, specialized systems, public relations, tests and inspections, solar tests and inspections, advanced plumbing math, safety requirements, advanced theory, and plumbing and solar codes. Students will use saws, rigid chain cutters, thread-o-matics, triangles, T-squares and scales. (FT)

Plumbing/Heating/Air-Con MECT 405 Non-Fee
This course is designed to provide students with entry-level skills and upgrading of existing skills in plumbing, heating, and air conditioning occupations. (FT)

Refrigeration/Air Conditioning MECT 400A Non-Fee
This is an open-entry/open-exit course in the entry level skills required for employment in the Refrigeration and Air Conditioning Repair industry. Instruction in the theory of operation, diagnosis, and the repair of major household refrigeration and air conditioning units is included. (FT)

Music Appreciation, Theory (MUSI)

Music Appreciation–OA MUSI 505 Non-Fee
This course is designed to introduce the older adult student to the world of music. Vocal or instrumental music from various ethnic, classical, folk, jazz and/or popular background across all musical periods and countries will be played, discussed and analyzed. Students will learn about the time and circumstances that prompted the creation of the music or compositions. This class will enable the older adult student to become a more educated consumer of music. (FT)
<table>
<thead>
<tr>
<th>Music Instrumental (MUSN)</th>
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<tbody>
<tr>
<td><strong>Orchestra Workshop – OA</strong> MUSN 519 Non-Fee</td>
<td>This course is designed to provide older adult musicians the opportunity to use and develop their skills through group participation and performance. Instruction includes the study of symphonic, orchestral, concert, pop and/or seasonal literature with emphasis on ensemble disciplines and performance techniques. Students will gain an understanding of the fundamentals of music, conducting and rehearsal procedures. Students will learn sight reading techniques and how to perform in front of an audience. (FT) Alternate Title(s): Band Workshop–OA, Jazz Band Workshop – OA, Instrumental Ensemble – OA, Strings and Things – OA</td>
</tr>
<tr>
<td><strong>Piano 1–2 for Older Adults</strong> MUSN 536 Non-Fee</td>
<td>This course is designed for older adults with levels ranging from beginner to advanced, to gain knowledge of, and skills necessary for improving their proficiency on a piano or keyboard instrument. Various musical eras will be studied. Piano techniques, performance practice and style, recital preparations, music theories, and listening skills (including but not limited to ear training and sight-reading) will be explored. (FT)</td>
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<tr>
<th>Music Vocal (MUSV)</th>
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<tr>
<td><strong>Chorus Mixed Voices–OA</strong> MUSV 510 Non-Fee</td>
<td>This course explores choral and small-ensemble music from a wide variety of cultures and time periods through study and performance. This vocal exploration is designed to instruct the older adult in vocal techniques, musical notation, sight-reading on solo, small group, and large group performance levels, as well as lecture and extensive listening. Students will study basic skills of musicianship and will rehearse and perform as soloists and as an ensemble. (FT)</td>
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</table>

| Musical Experiences–OA MUSV 513 Non-Fee | This course expands the older adult students’ knowledge of music, various instruments, different styles, and/or composers and provides the students with an opportunity to experience a variety of musical activities. By listening, analyzing, comparing, and actively participating in creating music together, the students will enhance a wide range of cognitive, emotional, communicative, and social skills. Musical experiences are designed to use the elements of music, which support healthy aging. These musical experiences will benefit students in their cognitive properties, communication, motor skills, reminiscent listening abilities as well as emotional, physical, and overall mental health. (FT) |

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<thead>
<tr>
<th>Office Basics (OFBA)</th>
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<tbody>
<tr>
<td><strong>Vocational Spanish</strong> OFBA 500 Non-Fee</td>
<td>Spanish for various technical and vocational occupations. Bilingual training in oral and written interpretation and translation. (FT)</td>
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<tr>
<th>Office Systems (OFSY)</th>
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<tr>
<td><strong>3D Modeling</strong> OFSY 612 Non-Fee</td>
<td>This course provides instruction in 3D computer modeling. 3D applications are used to create computer generated 3D models and animations used in the fields of science, engineering, architecture and multimedia. 3D models and animations can be imported into Web pages, video editing and interactive authoring applications. (FT)</td>
</tr>
<tr>
<td><strong>Basic Business Math 1</strong> OFSY 500 Non-Fee</td>
<td>This course is designed to enable the student to master mathematical concepts and skills needed in the business world. Topics covered include addition, subtraction, multiplication, division, whole numbers, common and decimal fractions, percentage, interest and practical applications. (FT)</td>
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<td>Course</td>
<td>Code</td>
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<tr>
<td><strong>Basic Business Math 2</strong></td>
<td>OFSY 501</td>
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<tr>
<td><strong>Advisory:</strong> Successful completion of OFSY 500, Basic Business Math 1 or equivalent. This course reviews mathematics used in business transactions; interest, discount, depreciation, payroll, taxes, mark-up, and other business applications. (FT)</td>
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<tr>
<td><strong>Business Communications 1</strong></td>
<td>OFSY 505</td>
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<tr>
<td><strong>Advisory:</strong> Successful completion of OFSY 500, Basic Business Math 1 or equivalent. This course is designed to provide English and communication skills specifically applied to the field of business. Instruction includes business vocabulary, sentence structure, punctuation, capitalization, misused words, spelling and dictionary usage. Emphasis is placed on developing good proofreading skills. (FT)</td>
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<tr>
<td><strong>Business Communications 2</strong></td>
<td>OFSY 506</td>
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<tr>
<td><strong>Advisory:</strong> Completion of OFSY 505, Business Communications 1 or equivalent. This course is a review of the principles and techniques of business writing. Principles include vocabulary, language structure, and mechanics of style. Practice in writing various types of business letters, resumes, memos and informal business reports is emphasized. Emphasis is placed on the ability to proofread and edit work using proofreading symbols. (FT)</td>
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<tr>
<td><strong>Computerized Medical Office</strong></td>
<td>OFSY 552</td>
</tr>
<tr>
<td><strong>Advisory:</strong> 1. Successful completion of or concurrent enrollment in OFSY 550, Medical Insurance or equivalent. 2. Successful completion of or concurrent enrollment in OFSY 551, Medical Terminology or equivalent. This course uses the computer and appropriate software for the preparation of third-party billings and procedure coding, aging of accounts, accounts receivable, patient ledgers and preparing statements. The software application for patient information recall, printing medical insurance forms and scheduling of appointments is also included. (FT)</td>
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<tr>
<td><strong>Data Entry</strong></td>
<td>OFSY 535</td>
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<tr>
<td><strong>This is an introduction to data entry concepts and techniques, including data retrieval, data organization and documentation. Students are trained to analyze source document information, develop efficient screen formats and generate data reports using a variety of practical business applications such as inventory and payroll systems. (FT)</strong></td>
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<tr>
<td><strong>Database Systems: Beginning</strong></td>
<td>OFSY 510</td>
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<tr>
<td><strong>This course is designed to review database management. Emphasis is on advanced features such as operation, linking of database structures or tables, use of database command language and program file creation. (FT)</strong></td>
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<tr>
<td><strong>Database Systems: Intermediate</strong></td>
<td>OFSY 511</td>
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<tr>
<td><strong>Advisory:</strong> Successful completion of OFSY 510, Database Systems: Beginning or equivalent. This course is designed to review database management. Emphasis is on advanced features such as operation, linking of database structures or tables, use of database command language and program file creation. (FT)**</td>
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<tr>
<td><strong>Desktop Publishing</strong></td>
<td>OFSY 520</td>
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<tr>
<td><strong>This course introduces the basic principles of desktop publishing for print and the web: design format, design graphics, copy layout and write copy. Students will produce cards, posters and newsletters for print, and will understand the process of converting files to formats for use on the web. (FT)</strong></td>
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<tr>
<td><strong>Digital Editing</strong></td>
<td>OFSY 603</td>
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<tr>
<td><strong>This course is designed to provide instruction in digital editing skills and techniques for employment. Digital editing is used to edit digital images and to create original artwork. Digital editing is also used to prepare images for other applications such as 3D modeling, vector graphics, and interactive authoring. Digital editing skills are fundamental to multimedia projects – from print to the Web to video to CD-ROMs. (FT)</strong></td>
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<tr>
<td><strong>Disk Operating Systems</strong></td>
<td>OFSY 525</td>
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<tr>
<td>**This course builds basic computer and file management skills. Instruction includes microcomputer systems, input and output devices, storage devices and how to manage hardware and software, using operating systems utilities. Topics include booting, disk formatting and partitioning, printer configuration, naming files, listing and</td>
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managing directories and subdirectories, using text editor, writing and editing simple batch files, file protection. (FT)

Alternate Title(s): Overview of Operating Systems

Electronic Info Management OFSY 528 Non-Fee
This course is an introduction to an electronic information management software application. Students learn how to compose, send and manage email and schedule meetings using electronic calendars. In addition, students manage contact information, schedule tasks, create notes and customize the application environment. This course will prepare students to use an email software application in a business environment. (FT)

Emerging Topics–Office Systems OFSY 699 Non-Fee
This course examines emerging topics and technologies in the field of Office Systems. May be offered for two semesters only. (FT)

Internet Basics OFSY 516 Non-Fee
An introduction to Internet using microcomputers to access and use Internet resources in personal and business real-world situations. Through demonstration and hands-on projects, students will learn how to connect to a network and basic network concepts. This will include accessing the Internet direct or choosing an on-line provider, locating, retrieving and sending information globally using Internet resources such as the World Wide Web, messaging, news groups, file exchange and interpersonal communication. (FT)

Keyboarding–Multilevel OFSY 541 Non-Fee
This course emphasizes proper keyboarding techniques and the operation of a computer. Instruction includes typing tasks found in a business office such as letters and memos. Increasing a student's typing speed, addressing proper business practices, reinforcing grammar, punctuation and spelling skills are emphasized. (FT)

Legal Terminology OFSY 542 Non-Fee
This course offers an introduction to legal terminology as it relates to the work of a legal secretary or clerical assistant. Students will acquire a working knowledge of the language and documents most commonly used in the legal profession. The course will include: definitions, spellings and pronunciations of legal terms, basic court procedures, court rules/guidelines, and sample copies of routine legal documents and their uses. (FT)

Medical Law, Liability, Ethics OFSY 553 Non-Fee
This course will introduce the statutes, regulations, and ethical issues that impact medical office practice. It will provide a foundation of law to be used as a guide for the legal obligations that a medical facility has for the patient, employer, employee and state. (FT)

Medical Transcription OFSY 554 Non-Fee
Advisory: Working knowledge of medical terminology. Ability to keyboard by touch. Ability to use a current word processing software program. This course provides instruction in medical transcribing to prepare students for successful employment in a medical office, hospital, related health occupations, or for starting an in-home transcribing business. (FT)

Microcomputer Basics OFSY 555 Non-Fee
This course is an introduction to the microcomputer including: computers and how they operate, types of computers, computer components (hardware), operating systems, graphical user interface (GUI), and methods of input and output. Business/personal software applications such as word processing, spreadsheets, and database management will be presented. Integration of software applications will be incorporated. (FT)

Microsoft Windows OFSY 527 Non-Fee
This course introduces Windows' software and various application programs using Windows' Graphical User Environment. Students will utilize the program's ability to interface or create an environment in which they can communicate with the computers' hardware, software and peripherals. (FT)

Motion Graphics OFSY 609 Non-Fee
This course is designed to prepare students for employment where creating original motion
Non-linear motion graphics applications are used to edit digital video images and to create original video clips. Students will capture video, digitize it, and import it into a motion graphics application. Digital video clips can be formatted for output to film, videotape, CD-ROM and the Web. (FT)

**Office Skills Laboratory**

This open-entry/open-exit course is designed to prepare students for employment in an office. Utilizing an individualized lab, the student can select from the following topics: spelling, punctuation, résumé writing, telephone techniques, filing/records management, using reference resources, multilevel keyboarding, business communications, and business math. (FT)

**Operating Systems-MCSE Cert 1**

This course provides students with the knowledge and skills necessary to implement, administer, and troubleshoot desktop operating systems in any network environment. This course follows Microsoft Official Curriculum and is intended to prepare students to take Microsoft Certified Systems Engineer (MCSE) certification exams. (FT)

**Operating Systems-MCSE Cert 2**

Advisory: Operating Systems-MCSE Cert 1.

This course provides students with the knowledge and skills necessary to implement, administer, and troubleshoot desktop operating systems as a member server of a domain in an active directory environment. This course follows Microsoft Official Curriculum and is intended to prepare students to take Microsoft Certified Systems Engineer (MCSE) certification exams. (FT)

**Page Layout**

Advisory: Completion of OFSY 527, Microsoft Windows and OFSY 596, Word Processing: Beginning or equivalents.

This course provides instruction in: combining text with graphics, applying typesetting and page layout features, constructing a document and importing and modifying photographs to produce professional documents. Page layout applications are used to design and produce magazines, books, advertisements, newsletters and business cards. (FT)

**Spreadsheets: Advanced**

Advisory: Completion of OFSY 575, Spreadsheets: Beginning or equivalent.

This course provides instruction in advanced spreadsheet functions, including graphs, macros, database management, what-if analysis, macro programming, program and file operations with the ability to design and analyze business applications. (FT)

**Spreadsheets: Beginning**

This course is designed to introduce basic skills needed to create, edit, print, formulate, and graph or chart spreadsheets. Students will learn how to build, analyze and acquire problem-solving techniques. (FT)

**Survey of Business Software**

This course is designed to introduce the major types of business software. The course will include generic information about word processing, spreadsheets, database management systems, business graphics and communications software. (FT)

**Telecommunications**

This course is an introduction to telecommunications and the microcomputer. Instruction includes the use of modems, networks, public database systems, commercial services, electronic mail, electronic scheduling, bulletin boards, shared networks, and file transfer. (FT)

**Vector Graphics**

This course provides instruction in vector drawing. Vector drawing programs are used to create computer-generated diagrams, engineering and architectural plans and blueprints, original artwork, logos, maps and posters. Vector drawing artwork can be imported into page layout, 3D modeling, video editing and imaging applications. (FT)

**Web Databases**

This course describes the fundamentals of web databases. Through theory and hands on application, students will receive an overview of types, use and syntax of data. Students will learn how to publish a database on the web. Students
will learn to create dynamic web pages that pull information from databases to be combined onto the finished page for the web site visitor. (FT)

**Web Marketing**  
**OFSY 618**  
**Non-Fee**

This course introduces the fundamentals of marketing on the web. Through theory and hands on application, students will receive an overview of issues to consider when developing a strategic Internet communications plan. (FT)

**Word Processing: Advanced**  
**OFSY 599**  
**Non-Fee**

*Advisory: Completion of OFSY 596, Word Processing: Beginning or equivalent.*

This course is a review and continuation of study and application of the text editing features of word processing software. Instruction includes: advanced line and page formatting commands, advanced merge techniques, document assembly, sort, forms, complex tables and columns, math functions, styles, outlines, fonts, macros, graphics, multiple windows, importing/exporting files, introductory web design, and advanced print techniques. (FT)

**Word Processing: Beginning**  
**OFSY 596**  
**Non-Fee**

This course is an introduction to the text editing features of word processing software, including insert, delete, block/select, search/find and replace, headers/footers, footnotes/endnotes, pagination, merging, tables, formatting, and writing tools. Instruction includes standard business correspondence styles, tables, columns, reports/manuscripts, and employment documents. (FT)

**Word Processing: Projects**  
**OFSY 598**  
**Non-Fee**

*Advisory: Completion of OFSY 599, Word Processing: Advanced or equivalent.*

This course offers continued study and application of advanced word processing. Instruction includes desktop publishing and presentation techniques, and features to independently plan, design and develop advanced multi-task personal or business projects. (FT)

**Workplace Professional**  
**OFSY 507**  
**Non-Fee**

This course is an introduction to working in a variety of workplace environments. Students will learn soft skills required in the workplace, including communication, problem-solving, critical-thinking and customer service. Topics include work ethic, teamwork, roles and responsibilities and records management. Students will learn how to research job opportunities, application processes and basic interview skills. (FT)

**Arts And Crafts–Older Adults**  
**PASV 545**  
**Non-Fee**

This is an introductory through advanced course in arts and crafts for adults (55+). The course will provide an opportunity for practical application, using diverse media (digital or traditional) and techniques, in the production of decorative art items for personal use and gifts. This course will explore the principles of art design and its place in our culture as well as other cultures. The type and length of art project(s) is determined on a class-by-class basis. Projects may include flower arrangements, book art, printmaking, mosaics, calligraphy, needlework and textiles, wood work, cultural crafts, scrap crafts, and digital art. (FT)

*Alternate Title(s): Ikebana Japanese Floral Design, Book Art, Decorative Arts, Digital Art & Photography*

**Body Dynamics/Aging Process–OA**  
**PASV 505**  
**Non-Fee**

This course provides 55+ students with an understanding of the mind-body relationship to health and wellness during the aging process. Students learn movement activities and strategies for implementing a program to enhance physical, social, mental, nutritional, and emotional health as they age. Specific instruction accommodates varying limitations and levels of health. Activities and information presented are based on the eleven components of physical fitness. Course topics may include, but are not limited to, acute and chronic conditions and diseases that affect all systems of the body during the aging process. (FT)

*Alternate Title(s): Healthy Bones and Joints; Strong and Tall; Walk Well for Health; Balance and Mobility; Tai Chi/Qigong for Health.*

**Cross-Systems Prof Training**  
**PASV 610**  
**Non-Fee**

Cross-Systems Professional Training will introduce the mission of using family-focused approaches and collaboration techniques to strengthen the
common practice framework that works toward better results for children and families. Using innovative instructional techniques, Cross-Systems Professional Training allows community service providers/educators to discover the need, purpose and framework for this mission. (FT)

**Life Enrichment – Older Adult**  
PASV 532  
Non-Fee

This course provides the older adult an understanding of opportunities and challenges related to healthy living for seniors. Curricula includes research and current trends in community and consumer resources, retiree opportunities, technology awareness, and leisure activities that support independent, positive, and purposeful aging. (FT)

**Nutrition/Health – Older Adults**  
PASV 510  
Non-Fee

This course offers theory and practical applications to help older adults implement appropriate food intake to optimize their nutritional status and maintain healthy aging. Topics include a healthy diet that will slow down age-related physiological decline with the focus on wellness, adoption of healthy lifestyles, and self-management or prevention of nutrition-related chronic diseases. (FT)

*Alternate Title(s): Healthy Meal Planning-OA; Nutrition & Healthy Living-OA; Diabetes Prevention-OA; Trends In Nutrition*

**Ombudsmanship/Long-Term Care**  
PASV 557  
Non-Fee

Students will acquire an understanding of issues related to aging so that they can act as an ombudsman or advocate for seniors and family members. An ombudsman works with long-term care facilities, problem solving, assisting in referrals for community services, and to see that the quality of life, as well as the quality of care are maintained. (FT)

**Personal Development – OA**  
PASV 520  
Non-Fee

This course is designed to improve the quality of life and well-being of students 55 years and older. Topics include effective coping skills, strategies to adapt to changes in life and environment, skills to incorporate sustainable wellness activities into daily routine, and methods to reach personal goals. This course is open to all adult students. (FT)

*Alternate Title(s): Coping With Loss & Loneliness-OA; Psychology Of Later Life-OA; Psychosocial Developments Of Later Life-OA; Conscious Aging-OA.*

**Pre-Retirement Planning**  
PASV 525  
Non-Fee

Course covers the challenge of retirement including health and safety, housing considerations, legal affairs, attitude adjustment, financial planning and preparation for adjustment for retirement. (FT)

**Retirement Living**  
PASV 531  
Non-Fee

This course is designed to provide the older adult with an understanding of health maintenance, consumer awareness, healthy living, current affairs and leisure-time activities. (FT)

*Alternate Title(s): Retirement Resources*

**Volunteer Training – Retiree**  
PASV 535  
Non-Fee

This course is designed to train volunteers to participate in leadership roles in facilities with senior citizen membership. (FT)

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**Physical Education (PHYE)**

**Ballroom Dancing**  
PHYE 553  
Fee

Designed to develop basic skills in the more popular traditional ballroom dances including the latest fad dances. Mastery of step patterns, movement, quality and style will be emphasized. (FT)

*Alternate Title(s): Ballroom Dancing (Men); Ballroom Dancing (Women)*

**Physical Fitness Through Dance**  
PHYE 550  
Fee

This course is designed to help students improve their flexibility, strength, coordination, balance, cardiovascular fitness, and body awareness through movement with a positive environment. (FT)

*Alternate Title(s): Aerobics; Dancercize (Beginning, Intermediate, Advanced); Folk Dance (Beginning, Intermediate); Jogging (Beginning, Intermediate); Tap Dance*
### Physical Science (PHYN)

#### Sports Education

**PHYE 510**  
Fee  
The fundamentals of sport activities of officiating, participation, and understanding. (FT)

#### Sports Officiating

**PHYE 500**  
Non-Fee  
Students learn the rules, regulations, leadership skills and techniques required to better understand, appreciate, and/or properly officiate a particular sport at different levels. Theory and practice are emphasized. (FT)

#### Tennis

**PHYE 561**  
Fee  
This course is designed to give students the basic knowledge and practice to be able to understand and play tennis at a beginners level. They will learn the basic grips and strokes of the game. (FT)

### Printing/Graphics (PRTG)

#### Printmaking

**PRTG 510**  
Fee  
A printmaking workshop open to students of all levels. Methods in engraving, drypoint, etching, aquatint, mezzotint, collagraph, woodcut and linoleum block. Advanced students will receive instruction in viscosity color printing and the combinations of relief and intaglio. (FT)

#### Stamp Maker

**PRTG 540**  
Non-Fee  
This course is designed to provide students with entry-level employment skills in making rubber stamps. Classroom instruction and shop experience includes: safety, tools and equipment, composing cold type, molding stamp dies, forming rubber stamps using vulcanization and merigraph processes, measuring and cutting wood stamp molding, and assembling finished hand stamps. Some of the major equipment students will use includes: vertical graphic arts camera, computer typesetter, Kroy machine, small and large vulcanizers, stamp/printing plate maker system, and band saw. (FT)  
**Alternate Title(s): Stamp Maker/Printer**

### Psychology (PSYC)

#### Personal Development

**PSYC 515**  
Fee  
This course is designed to give the student mechanisms for accurately assessing themselves, their self-image and their projected image. It proposes to provide an objective view of the environment into which the self is projected and help identify strategies and mechanisms for presenting an improved self image. This goal translates into practical application like assertiveness training. (FT)  
**Alternate Title(s): Assertive Training for Women; Assertiveness Training; Self Awareness; Your Personal Positives**

#### Personal Development – OA

**PSYC 520**  
Non-Fee  
This course is designed to improve the quality of life and well-being of students 55 years and older. Topics include effective coping skills, strategies to adapt to changes in life and environment, skills to incorporate sustainable wellness activities into daily routine, and methods to reach personal goals. This course is open to all adult students. (FT)  
**Alternate Title(s): Coping With Loss & Loneliness-OA; Psychology Of Later Life-OA; Psychosocial Developments Of Later Life-OA; Conscious Aging-OA**

#### Self-Hypnosis and Meditation

**PSYC 525**  
Fee  
A practical and experimental workshop designed to acquaint one with altered states of consciousness. A person will learn to use these states for stress reduction, self-healing, and personal growth. (FT)
Safety Education (SFED)

**Advanced Firearms Safety**

**SFED 510**

Fee

*Advisory: Basic Firearms Safety or consent of instructor.*

Students will learn the legal and safe methods of handling and firing handguns using proper advanced firing techniques. There will be demonstrations, discussions and practice. Students will know how to select, care for, and maintain their handguns. The legal as well as the moral aspects regarding the use of handguns will be presented. (FT)

**Basic Firearms Safety**

**SFED 500**

Fee

This course is designed to teach individuals the legal and safe methods of handling and firing handguns using proper firing techniques. Students will be taught how to select, care for, and maintain their handguns through instruction, discussion, demonstration, and practice. The legal as well as the moral aspects will be treated. (FT)

Social Sciences (SOCC)

**Social Studies/Older Adults**

**SOCC 503**

Non-Fee

This course provides older adult students with information about domestic and international relationships, civics, history, cultural, political science, law, philosophy, economics and sociology to enable them to critically evaluate current events, media reports, government pronouncements and programs. (FT)

*Alternate Title(s): Citizen-Emeritus-OA; Lifelong Social Issues; Political Awareness-OA; Current Events-OA*

Speech (SPEE)

**Effective Communications – OA**

**SPEE 520**

Non-Fee

This course deals with interpersonal communication skills – verbal, non-verbal, and/or digital – required for meaningful dialogue at home, at work and during leisure time. It is designed for all individuals who wish to enhance their self-knowledge and develop more effective interpersonal communication skills. (FT)

*Alternate Title(s): Time Mgt and Job Communication; Communicating W/ Technology 1; Communicating W/ Technology 2*
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San Diego College of Continuing Education Campus Locations

- Continuing Education Campuses
- College Campuses

**San Diego College of Continuing Education Campus Locations**

- **CE at Miramar College**
  10440 Black Mountain Road
  San Diego, CA 92126
  619-388-1800

- **CE at Mesa College**
  7350 Armstrong Place
  San Diego CA 92111
  619-388-1950

- **North City Campus**
  8355 Aero Drive
  San Diego CA 92123
  619-388-1800

- **West City Campus**
  3249 Fordham Street
  San Diego CA 92110
  619-388-1873

- **Mid-City Campus**
  3792 Fairmount Avenue
  San Diego CA 92105
  619-388-4500

- **César E. Chávez Campus**
  1901 Main Street
  San Diego CA 92113
  619-388-1910

- **Educational Cultural Complex**
  4343 Ocean View Boulevard
  San Diego CA 92113
  619-388-4956