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This schedule is accurate as of April 20, 2022. For the most current course listing please go to: https://www.mccd.edu/getstarted/search-classes.html
## MERCED COLLEGE STUDENT SERVICES & COUNSELING

MERCED CAMPUS AND LOS BANOS CAMPUS

**Summer Hours are subject to change**

**May 23, 2022 - August 4, 2022**

- Monday, Tuesday, Wednesday, Thursday: 08:00a-05:00p
- Friday: 08:00a-07:00p

**SUMMER 2022 EXCEPTIONS:**

- May 25, June 20-21, 2022
- Wednesday, Monday, Tuesday: 08:00a-07:00p

## MERCED COLLEGE STUDENT FEES

**May 23, 2022 - August 4, 2022**

**MERCED CAMPUS**

- **Regular Hours:** Monday - Thursday: 8:00am-05:00pm
- **Late Nights:** 8:00 am - 6:30 pm

**LOS BANOS CAMPUS**

- **Regular Hours:** Monday - Wednesday: 9:00am-1:30pm
- Thursday: 9:00am-12:30pm

**Student Fees Email:** studentfees_custsvc@mccd.edu

### BUILDING ABBREVIATIONS

- **Merced Campus**
  - AG: Agriculture
  - AHC: Allied Health Complex
  - ART: Art Building
  - COM: Communications
  - GYM: Gymnasium
  - IAC: Interdisciplinary Academic
  - IT: Industrial Technology
  - LESH: Lesher Building
  - MUS: Music
  - MA: Mech Ag
  - PS: Plant Science
  - PSC: Public Safety Complex
  - SCI: Science
  - STAGE: Theatre
  - SU: Student Union
  - TCC: Tri-College Center
  - THTR: Theatre
  - VOC: Vocational

- **Los Banos Campus**
  - LB-A: Los Banos, Bldg A
  - LB-B: Los Banos, Bldg B

- **Off Campus Sites**
  - CCWF: Central California Women's Facility
  - DELH: Delhi
  - DPHS: Dos Palos High School
  - LBHS: Los Banos High School
  - LIVN: Livingston
  - MARI: Mariposa High School
  - PACHS: Pacheco High School
  - VSP: Valley State Prison

**SUMMER 2022 CALENDAR**

- **SUMMER 2022 SESSION (1ST 4-WEEK) MAY 23-JUNE 16**
- **CENSUS 1ST 4-WEEK, MAY 26**
- **MEMORIAL DAY, MAY 30**

- **SUMMER 2022 SESSION, (3-WEEK) JUNE 20-JULY 07**
- **CENSUS 3-WEEK, JUNE 22**
- **SUMMER 2022 SESSION, (6-WEEK) JUNE 20-JULY 28**
- **SUMMER 2022 SESSION (7-WEEK) JUNE 20-AUGUST 04**
- **CENSUS 6-WEEK & 7-WEEK, JUNE 27**

- **INDEPENDENCE DAY JULY 4**
- **END 3-WEEK SUMMER SESSION JULY 07**
- **SUMMER 2022 SESSION, (2ND 4-WEEK) JULY 11-AUGUST 04**
- **CENSUS 2ND 4-WEEK, JULY 14**
- **END 6 WEEK SUMMER SESSION JULY 28**

- **END 7 WEEK SUMMER SESSION AUGUST 04**
- **END 4 WEEK SUMMER SESSION AUGUST 04**

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**SUMMER 2022 IMPORTANT DATES**

Summer & Fall 2022 Semester Registration Begins................................................................. April 11

- **IMPORTANT SUMMER 2022 DATES FOR 4-WEEK CLASSES (05/23/22-06/16/22):**
  - Summer 2022 Intersession Begins / Adds Require Instructor’s Permission .......................................................... May 23
  - **REFUND DEADLINE - For all classes, you must drop before 10% of the class meetings.**
  - Last Chance to Drop with NO ENTRY on Transcripts (Classes meeting MTWTh) you must drop the day before 20% of the class mtgs. Instructional Dean’s signature is required ........................................................................................................ May 31
  - Last Chance to Drop with a “W” (Classes meeting MTWTh) .................................................................................. June 9
  - **For classes with less weekly meetings, you must drop before 75% of the class meetings.**
  - Pass/No Pass Option Deadline (Classes meeting MTWTh) .................................................................................. June 16
  - End of 4-Week Summer 2022 Interesession ................................................................................................. June 16

- **IMPORTANT SUMMER 2022 DATES FOR 6-WEEK CLASSES HELD (06/20/22-07/28/22):**
  - Summer 2022 6-Week Semester Instruction Begins / Adds Require Instructor’s Permission ......................................................... June 20
  - **REFUND DEADLINE - For all classes, you must drop before 10% of the class meetings.**
  - Last Chance to Drop with NO ENTRY on Transcripts (Classes meeting MTWTh) .......................................................... June 23
  - **For classes with less weekly meetings, you must drop before 75% of the class meetings.**
  - Instructional Dean’s signature is required ........................................................................................................... June 28
  - Last Chance to Drop with a “W” (Classes meeting MTWTh) .................................................................................... July 19
  - Pass/No Pass Option Deadline (Classes meeting MTWTh) .................................................................................... July 28
  - **For classes with less weekly meetings, you must drop before 75% of the class meetings.**
  - End of 6-week Summer 2022 Semester ............................................................................................................. July 28

- **IMPORTANT SUMMER 2022 DATES FOR 7-WEEK CLASSES (06/20/22-08/04/22):**
  - Summer 2022 7-Week Semester Instruction Begins / Adds Require Instructor’s Permission ......................................................... June 20
  - **REFUND DEADLINE - For all classes, you must drop before 10% of the class meetings.**
  - Last Chance to Drop with No Entry on Transcripts (Classes meeting MTWTh) .......................................................... June 23
  - **For classes with less weekly meetings, you must drop before 20% of the class meetings.**
  - Instructional Dean’s signature is required ........................................................................................................... June 28
  - Last Chance to Drop with a “W” (Classes meeting MTWTh) .................................................................................... July 25
  - **For classes with less weekly meetings, you must drop before 75% of the class meetings.**
  - Pass/No Pass Option Deadline (Classes meeting MTWTh) .................................................................................... August 5
  - End of 7-week Summer 2022 Semester ............................................................................................................. August 5
Enrollment fees are due at the time of registration. Payments can be made online through the Merced College student portal at www.mccd.edu/makeapayment or in person at the Student Fees office. The Student Fees office is located on the 3rd floor of the Lesher Student Services Center in Merced and at the Fees Counter at Los Banos Campus Building A. Before registering, students who owe money must pay in full or have a payment plan in place. If you owe money or need a payment plan, please contact the Student Fees office in person, via telephone at (209) 384-6212 or (209) 384-6219, or email at studentfees_custsvc@mccd.edu.

Enrollment Fee ...................................................................................................................................................................... $46.00 per unit
Health Fee*........................................................................................................................................................................ $18.00
Parking Fee.................................................................................................................................................................. auto/motorcycle $15.00 or $2.00 per day
Non-Resident Tuition....................................................................................................................................................... $261.00 per unit, plus enrollment fee
Transportation Fee .................................................................................................................................................$9.95 Enrolled 12 units or more
Transportation Fee ...............................................................................................................................................$6.95 Enrolled less than 12 units

*Ed Code Section 76355 allows exemption from the Health Fee solely to those students meeting the following criteria:
1. Depend exclusively upon prayer for healing in accordance with the teachings of a bona fide religious sect, denomination, or organization
2. Are attending a community college under an approved apprenticeship training program
This form must be submitted by the end of the first week of the semester. Please contact the Student Fees Office for more information

ACADEMIC SUPPORT SERVICES

Student Success and Tutorial Center (SSTC)
Downey Learning Resource Center, first floor
Monday-Thursday 8 am to 5 pm

The SSTC provides FREE tutoring services face-to-face in the Downey Center, first floor, and online via Zoom. The SSTC services include tutoring by MC tutors, faculty support, embedded counseling, academic resources and a mini Café. The center is equipped with computers, printers, Wi-Fi, and charging outlets. Headphones, laptops, and calculators are available for check out.

To access online tutoring through the virtual SSTC, use Zoom meeting ID# 989-5340-3321 or login to Canvas, select any course shell, and select the Student Success and Tutorial Center (SSTC) link, located on the left side of the home menu. Tutoring is connected to an EDU-112A noncredit course. There are no fees for this course and attendance is optional.

Outside of normal business hours, tutoring will be available through Smarthinking online tutoring. To access Smarthinking, log in to Canvas for the class in which you need assistance and select the Smarthinking online tutoring link on the left side of the home menu. Students receive 10 free Smarthinking tutoring hours each semester. If you have any questions, please contact the Student Success staff via phone at 209-384-6329, live chat or email tutoring@mccd.edu.

*All Academic Support Services are free to MC students.
Food and drinks are allowed in the Downey Center.
FOLLETT ACCESS TEXTBOOK PROGRAM

WE’VE GOT YOU COVERED!

Merced College is making it easier for you to have your textbooks on Day 1 of class and save money!

1. REGISTER FOR CLASSES
2. PAY A SIMPLE, AFFORDABLE, PER-UNIT COST
3. CHECK YOUR @CAMPUS.MCCD.EDU EMAIL
4. GET YOUR BOOKS!

LEARN MORE AT WWW.MCCD.EDU/TEXTBOOKS
### REGISTRATION INFORMATION

#### REGISTRATION GUIDE

New (including graduating high school seniors in their Spring term) and returning students please follow these steps in order to ensure that you are prepared to register by your registration date.

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<th>The Steps</th>
<th>Recommended way to complete step</th>
<th>Other ways to complete step</th>
<th>Who needs to complete this step</th>
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<tr>
<td><strong>1) New and Returning Students</strong></td>
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<tr>
<td>A) Application</td>
<td>At <a href="http://www.mccd.edu">www.mccd.edu</a> click on Welcome Students Get Started Here. Next, click on Apply Today. Click on Apply Online and choose your student type. You can go to the Welcome Center in the Lesher Building, Room 102 (lower level) for assistance with the application. Los Banos Students: LB Student Services Building A</td>
<td></td>
<td>New &amp; Returning students</td>
</tr>
<tr>
<td>B) Placement Questionnaire</td>
<td>1. Find your high school transcript (Recommended for more accurate placement). 2. Log into the Merced College Portal using your username and password, go to WebAdvisor for students, then Academic Profile, then Placement Questionnaire (PQ). 3. Open the Placement Questionnaire (PQ). 4. Answer the questions to the Placement Questionnaire 5. Check your responses for accuracy (Responses to the Placement Questionnaire will be randomly verified using official transcripts.) 6. Submit your responses at the end of the Placement Questionnaire by checking the confirmation box and selecting on the &quot;Submit&quot; button. You can go to the Welcome Center in the Lesher Building, Room 102 (lower level) for assistance with the Placement Questionnaire. Please bring your high school transcript (either official or unofficial) to answer the questions. View the contact page for Welcome Center office hours. For more information visit our Placement Questionnaire Frequently Asked Questions section, (<a href="http://www.mccd.edu/getstarted/placement-faq.html">http://www.mccd.edu/getstarted/placement-faq.html</a>). Los Banos Students: LB Student Services Building A</td>
<td></td>
<td>New &amp; Returning students</td>
</tr>
<tr>
<td>C) Orientation</td>
<td>Complete online orientation at <a href="http://www.mccd.edu">www.mccd.edu</a>. To access the orientation click on Welcome Students Get Started Here and then click on Apply Today. Complete step 2. You may also complete orientation on campus during the Open Lab session.</td>
<td></td>
<td>New &amp; Returning students</td>
</tr>
<tr>
<td>D) Set up MC4me Student portal account</td>
<td>At <a href="http://www.mccd.edu">www.mccd.edu</a>, click on Welcome Students Get Started Here and then click on Apply Today. Complete step 2. There will be link with instructions to set up you MC4me Student Portal. You may set up your student portal account when you come to campus for an Open Lab Session.</td>
<td></td>
<td>New &amp; Returning students</td>
</tr>
<tr>
<td>E) Obtain ID card</td>
<td>Available at the Admissions and Records Office on the 2nd floor of the Lesher Student Services Center. Allow one hour after submitting your application. Los Banos Students: LB Student Services Building A (Picture ID required).</td>
<td></td>
<td>New &amp; Returning students who do not have a yellow Merced College ID card</td>
</tr>
<tr>
<td>F) New Student Planning Session</td>
<td>At <a href="http://www.mccd.edu">www.mccd.edu</a> click on Welcome New Students Get Started Here and then click on Apply Today. Next, select step 4. Call Merced College at (209) 384-6000-select option 8. Call Los Banos at (209) 826-3495 or 301-6411.</td>
<td></td>
<td>New &amp; Returning students</td>
</tr>
<tr>
<td>2) Register for Classes</td>
<td>Online through your MC4me portal account. For technical help, call Student Help Desk at 209-381-6565. A helpful resource on how to register online and the Merced College English and Math Course Sequence charts are available at <a href="http://www.mccd.edu">www.mccd.edu</a>. Click on New and Returning Students and scroll to step 4 for the links. You can go to the Welcome Center in the Lesher Building, Room 102 (lower level) for assistance. Los Banos Campus: Building A Student Services window.</td>
<td></td>
<td>All students</td>
</tr>
<tr>
<td>3) Pay Fees</td>
<td>Online through your MC4me student portal account at <a href="http://www.mccd.edu/makeapayment">www.mccd.edu/makeapayment</a> In person at the Lesher Student Services Center, Student Fees Office, 3rd floor or the Los Banos Campus, Student Services window.</td>
<td></td>
<td>All registered students</td>
</tr>
</tbody>
</table>
IMPORTANT ALERT!

Effective Summer 2012, students will be allowed to enroll in most courses for a maximum of three times, including “w’s,” repeats, and pass/no pass grades. This change is retroactive to a student’s original enrollment at Merced College. Students are strongly encouraged to seek additional information about their individual situations from counseling and/or the Admissions and Records Office. These regulations have been established by the Board of Governors of the California Community Colleges.
All students are required to complete 5 easy steps to be eligible for a priority registration group assignment. To see information about the steps to registration go to http://www.mccd.edu/getstarted/apply.html. Students who have not completed the required registration steps may register for classes, but will have to wait for the open enrollment period which is the last registration window to open (Group 5).

**GROUP 1**  Registration begins **Monday April 11, 2022**  
Students who are qualifying Foster Youth or former Foster Youth\(^1\), or Homeless Youth\(^2\) at Merced College  
OR  
Students who are qualifying Veterans, or students who are receiving services from EOPS, DSPS, CalWORKs or Tribal TANF and who:  
- have completed orientation, assessment, and developed a student education plan (abbreviated education plan if less than 15 units completed and comprehensive education plan if 15 units or more completed) at Merced College  
- have completed less than 100 degree applicable units at Merced College  
- do not have 2 or more continuous semesters of probation at Merced College immediately prior to semester enrolling

**GROUP 2A**  Registration begins **Wednesday April 13, 2022**  
Athletes, International Students, students with a 3.5 GPA or better and all continuing students who have completed or are in-progress of completing 30 – 75 units at Merced College prior to semester enrolling and who:  
- have completed orientation, assessment, and developed a student comprehensive education plan at Merced College  
- have completed less than 100 degree applicable units at Merced College  
- do not have 2 or more continuous semesters of probation at Merced College immediately prior to semester enrolling

**GROUP 2B**  Registration begins **Monday April 25, 2022**  
New students, including graduating high school seniors, who:  
- have completed orientation, assessment and developed a student education plan (abbreviated education plan if less than 15 units completed and comprehensive education plan if 15 units or more completed) at Merced College

**GROUP 2C**  Registration begins **Monday May 2, 2022**  
Returning students and all other continuing students at Merced College prior to semester enrolling and who:  
- have completed orientation, assessment, and developed a student education plan (abbreviated education plan if less than 15 units completed and comprehensive education plan if 15 units or more completed) at Merced College  
- have completed less than 100 degree applicable units at Merced College  
- do not have 2 or more continuous semesters of probation at Merced College immediately prior to semester enrolling

**Open Registration**  Registration begins **Wednesday May 4, 2022**  
All other students (i.e. Special Admit K-12 students, students who have completed 100 or more degree applicable units, academic enrichment, students not completing orientation, assessment and/or education plans, etc.)

\(^1\) For purposes of this section, “foster youth” means a person who is currently in foster care, and “former foster youth” means a person who is an emancipated foster youth and who is up to 24 years of age. ii. Homeless youth means a student who has been verified at any time during the 24 months immediately preceding the receipt of his or her application for admission by a postsecondary educational institution.

The Disabled Students Program & Services (DSPS) provide reasonable accommodations that meet the individual needs of students with a verified disability, which limits one or more major life activities, resulting in an educational limitation (CCR, Title 5, Division 6, Chapter 7, Subchapter 1, Section 56002). In addition, DSPS assists the college in providing equal access to educational opportunities for students with disabilities and meet the requirements of federal and State non-discrimination laws, including Sections 504 and 508 of the federal Rehabilitation Act, the Americans with Disability Act (ADA), The Americans with Disabilities Amendment Act (ADAAA), and State Government Code Sections 11135-11139.2. Support services and accommodations include, but are not limited to, priority registration, scheduling assistance, academic and vocational counseling, learning disability assessment, sign language interpreters, test-taking accommodations, assistive technology, and alternate media. Students are encouraged to visit our DSPS office located in the Lesher Student Services Building, 2nd floor, office #234 at the Merced Campus, Student Services Building A at the Los Banos Campus or visit the website. Merced Office: (209) 384-6155, TDD: (209) 384-6311 Los Banos Office: (209) 384-6423
Summer Session 1 Classes

Ag Environmental Horticulture (AGEH)
AGEH-04 Nursery and Garden Center Practice
3.0 units: 36.0 hours lec, 54.0 hours lab.
This course is a study of commercial retail nursery and garden center operations dealing with wholesale and retail nursery practices, including plant care, merchandising, and management practices.
Merced Campus
39022 Class Starts on Tuesday, May 24, 2022
TWM 08:00a-10:10a Codd, A PS-1
TWM 10:20a-01:40p Codd, A PS-NURS
Comments: This 5-week course is held 05/24/22 to 06/23/22. This class meets in person and may require online access. Contact: andrew.codd@mccd.edu for course-specific questions.

Allied Health (ALLH)
ALLH-63 Nurse Assistant
6.0 units: 63.0 hours lec, 135.0 hours lab.
Limitation on Enrollment: 1. Orientation Workshop 2. CPR Card-Module AC 3. Negative TB Screening test within past 6 months or negative chest x-ray within past year 4. Physical within past 6 months 5. DOJ fingerprint clearance 6. Penal Code Violations Clearance. The course provides clinical instruction and practice of basic nursing skills required of nursing assistants employed in skilled nursing facilities and extended care facilities. The course emphasizes care of the older adult client, assistance with the activities of daily living, bathing, dressing, exercise movement, eating, eliminating safety measures, cardiopulmonary resuscitation and rehabilitation techniques. Meets State Department of Health Services requirements for eligibility to take the Nursing Assistant Certification examination.
Merced Campus
49001 Class Starts on Monday, June 6, 2022
M 08:00a-04:50p Dickens, A AHC-130
TW 07:30a-11:30a Dickens, A OFML-HOSP
TW 12:00p-03:30p Dickens, A OFML-HOSP
Comments: This 9 week course is held from 06/06/22 to 08/03/22. This course requires a mandatory orientation. Go to http://www.mccd.edu/academics/alliedhealth/nurse-assistant/getsta rted.html. This course required lab hours are held at Merced Nursing & Rehab or 510 W. 26th St., Merced or La Sierra Care Center, 2424 M St., Merced or Anberry Nursing & Rehab, 1685 Shaffer Rd., Atwater or Anberry Transitional Care, 1000 W. Yosemite Ave., Merced or Hy-Lond Health Care Center, Merced and includes a 30 minute lunch break.
49002 Class Starts on Monday, June 6, 2022
M 08:00a-04:50p Dickens, A AHC-130
ThF 07:30a-11:30a Staff, J OFML-HOSP
ThF 12:00p-03:30p Staff, J OFML-HOSP
Comments: This 9 week course is held from 06/06/22 to 08/05/22. This course requires a mandatory orientation. Go to http://www.mccd.edu/academics/alliedhealth/nurse-assistant/getsta rted.html. This course required lab hours are held at Merced Nursing & Rehab or 510 W. 26th St., Merced or La Sierra Care Center, 2424 M St., Merced or Anberry Nursing & Rehab, 1685 Shaffer Rd., Atwater or Anberry Transitional Care, 1000 W. Yosemite Ave., Merced or Hy-Lond Health Care Center, Merced and includes a 30 minute lunch break.

Los Banos Campus
79520 Class Starts on Monday, June 6, 2022
M 08:00a-03:30p Marshall, C LB-A-105
TW 06:30a-02:30p Marshall, C LB-B-138
Comments: ALLH-63 requires a mandatory orientation. Go to http://www.mccd.edu/academics/alliedhealth/nurse-assistant for more information. This is a 9-week class 06/06/22 to 08/03/22. Section 79500 lab hours are held at New Bethany Skilled Nursing facility; 1441 Berkeley Dr., Los Banos or Los Banos Nursing Rehab facility; Idaho Ave., Los Banos and includes a 30-minute lunch break.

ALLH-67 Medical Terminology
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken ENGL-01A is advised. This course is a study of general medical terminology -- diagnostic, operative, and symptomatic terms related to body systems -- with emphasis on proper spelling and pronunciation.
Online
42801 Class Starts on Monday, May 23, 2022
Provencio, G Online
Comments: This 5 week course is held from 05/23/22 to 06/23/22. Asynchronous Online Class. Held on Canvas. There are no specific meeting times for this course. Contact proven-cio.g@mccd.edu for course-specific questions.

Art (ART)
ART-06 Survey of Modern Art
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken ENGL-01A is advised. This course is a survey of the prominent artists and art movements from the 19th and 20th centuries to today. Major works in painting, sculpture, architecture and the applied arts are covered. The historical context of science, invention, world events, politics, philosophy, religion, and music are examined as influences reflected in each generation's contribution to the history of the visual arts.
Online
52808 Class Starts on Monday, May 23, 2022
Benhissen, L Online
Comments: This 4-week class is held from 05/23/22 to 06/16/22. ASYNCHRONOUS ONLINE CLASS Held on Canvas. There are no specific meeting times for this course. Contact: Louisa.benhissen@mccd.edu for course-specific questions.

Astronomy (ASTR)
ASTR-01 Principles of Astronomy
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken ENGL-01A is advised. This is a basic course studying the principles of astronomy beginning with the solar system and continuing through the Milky Way Galaxy and the galaxies beyond. Throughout the course topics relating to the philosophy of science, history of astronomy, tools of the astronomer, and supporting topics of physics are introduced. The course is designed for students satisfying breadth requirements in science and having a general interest in astronomy.
Online
12802 Class Starts on Monday, May 23, 2022
Khurana, P Online
Comments: This 4-week class is held from 05/23/22 to 06/16/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: pam.khurana@mccd.edu for course-specific questions.

Biology (BIOL)
BIOL-06 Environmental Science
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken ENGL-01A is advised. This introductory course examines Earth as an ecosystem composed of biological, chemical and physical processes with emphasis on man's impact on the planet. Topics include the structure and function of ecosys-
tems, biodiversity, the impact of industrialization and urbanization, energy, populations, resources, pollution, pesticides and risk/benefit assessment.

Online
12803 Class Starts on Monday, May 23, 2022
Gomez Daglio, L Online
Comments: This 4-week class is held from 05/23/22 to 06/16/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: liza.gomezdaglio@mccd.edu for course-specific questions.

Business - Non-Credit (BUSN)
BUSN-749 Microcomputers & Business
0.0 units: .
This entry-level course is designed for the adult student who desires vocational training in the field of Technical Office Occupations. The course is project-based to develop student entry-level skill proficiency in using state of the art technology to solve problems. Various simulations reflective of real life experiences will be a major part of the instructional units. The course is 720 hours in duration and is open entry format.

Merced Off-Campus
95908 Class Starts on Monday, June 13, 2022
MTWTh 08:00a-04:00p Carroll, C BRC-216
Comments: This 6 - week class is held from 06/13/22 to 07/21/22

BUSN-752 Introduction to Microcomputers
0.0 units: .
This course will introduce students to microcomputers and the Windows software environment. Students will learn to identify the components of desktop screens, learn to execute basic computer commands. The class may also cover internet browsing, email, website navigation, and downloading files. This course is 24 to 288 hours in duration.

Online
95920 Class Starts on Monday, May 23, 2022
Th 11:30a-01:30p Murillo Meraz, O INT-INT
Comments: SYNCHRONOUS ONLINE SESSIONS:Thursday 11:30AM - 01:30PM, online using Canvas/Zoom This course requires online access and a webcam. Contact: olga.murillo344@mccd.edu for course-specific questions.

BUSN-756 Intro to Technical Office Occupations
0.0 units: .
This entry-level course is designed for the adult student who desires vocational training in the field of Technical Office Occupations. This course will introduce students to microcomputers and the Windows software environment. Students will learn to identify the components of desktop screens and learn to execute basic computer commands. The class will also cover internet browsing, email, website navigation, and downloading files. The course is project-based to develop student entry-level skill proficiency in using Microsoft Office Word, PowerPoint and Excel. Various simulations reflective of real life experiences will be a major part of the instructional units. The course is 450 hours in duration and is open entry format.

Merced Off-Campus
95910 Class Starts on Monday, June 13, 2022
MTWTh 08:00a-04:00p Carroll, C BRC-206
MTWTh 08:00a-04:00p Carroll, C BRC-207
Comments: This 6 - week class is held from 06/13/22 to 07/21/22

Communication Studies (COMM)
COMM-01 Fundamentals of Speech
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken ENGL-01A is advised. This course is designed to instruct students in the fundamentals of composing, preparing and presenting speeches in front of audiences. The focus will be on researched speeches to inform and persuade. By the end of the course, students should be speaking confidently and skillfully and should be able to transfer their understanding and skills from the classroom to "real world" situations.

Online
22810 Class Starts on Monday, May 23, 2022
Bonstein, J Online
Comments: This 4-week course is held from 05/23/22 to 06/16/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: Bonstein,j@mccd.edu for course-specific questions.

72803 Class Starts on Monday, May 23, 2022
Cavallero, D Online
Comments: This 4-week class is held from 05/23/22 to 06/16/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: daniel.cavallero@mccd.edu for course-specific questions.

COMM-05 Interpersonal Communication
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken ENGL-01A is advised. The focus of this course is to examine successful verbal and nonverbal communication in interpersonal relationships. Communication theory and skills will be investigated in order to help students interact more effectively in personal and professional relationships.

Merced Campus
22814 Class Starts on Monday, May 23, 2022
MTWTh 09:00a-12:20p Young, J IAC-121
Comments: This 4-week course is held from 05/23/22 to 06/16/22. This class meets in-person and may require online access.

Computer Tech and Info Systems (CTIS)
CTIS-02 Introduction to Programming Concepts And Methodologies
3.0 units: 36.0 hours lec., 54.0 hours lab.
An introduction to the fundamental concepts and models of application development including the basic concepts of program design, data structures, programming, problem solving, programming logic, and fundamental design techniques for event-driven programs. Hands-on experience with a modern application programming language and development platform.

Online
12807 Class Starts on Monday, May 23, 2022
Celly, B Online
Comments: This 4-week course is held from 05/23/22 to 06/16/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: bhrigu.celly@mccd.edu for course-specific questions.

This class will use Go programming language.

CTIS-03 Information and Communication Technology Essentials
4.0 units: 36.0 hours lec., 108.0 hours lab.
This course provides an introduction to the computer hardware and software skills needed to help meet the growing demand for entry-level ICT professionals. The fundamentals of computer hardware and software as well as advanced concepts such as security, networking, and the responsibilities of an ICT professional will be introduced. Preparation for the CompTIA A+ certification exams.

Online
12808 Class Starts on Monday, May 23, 2022
TBA Online
Comments: This 4-week course is held from 05/23/22 to 06/16/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: TBA for course-specific questions.
CTIS-12  Windows Server System Administration
3.0 units: 36.0 hours lec, 54.0 hours lab.
Prerequisite: *Advised* Previously taken CPSC-01 is advised.
This course will provide a student with the knowledge and skills required to build, maintain, troubleshoot and support server hardware and software technologies. This course is an introduction to Microsoft Windows Server, with emphasis on system administration. Provides occupational preparation for information systems professionals, such as PC support personnel, computer programmers, network/systems managers, and related technical and operations administration personnel. The course will help in preparation in CompTia Server+.

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<tbody>
<tr>
<td>CTIS-12</td>
<td>May 23, 2022</td>
<td>MTWTh 09:00a-12:00p</td>
<td>Vitaso, J</td>
<td>BRC-215</td>
</tr>
</tbody>
</table>

EDU-111  Reading and Computers II
0.0 units:
288-324 hours open entry format. This course is best suited for adult learners at third grade reading and vocabulary level up to approximately sixth grade level that require individual attention and reinforcement while reviewing basic phonics, improve reading, spelling, and vocabulary skills.

Mered Off-Campus
95017  Class Starts on Monday, May 23, 2022
MTWTh 09:00a-12:00p Vitaso, J
BRC-215

CTIS-15  Computer Network Fundamentals
3.0 units: 36.0 hours lec, 54.0 hours lab.
This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP (Internet Protocol) addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for further study of computer networks. It uses the OSI (Open Systems Interconnection) and TCP (Transmission Control Protocol) layered models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. Class 1/2 for preparation for the CompTIA Network+ certification exam. This course is course 2/4 of the new Google Career Certificate. It is class 1/3 for preparation for the CCNA exam.

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<tbody>
<tr>
<td>CTIS-15</td>
<td>May 23, 2022</td>
<td>MTWTh 09:00a-12:00p</td>
<td>Vitaso, J</td>
<td>BRC-215</td>
</tr>
</tbody>
</table>

EDU-112A  Skills Acquisition for Student Success - General
0.0 units:
This optional, open entry/open exit supplemental learning assistance course can be taken by enrolled credit students as part of their credit courses. Proficiency can be attained with a minimum of 180 and a maximum of 540 hours per term. The course provides a supervised learning experience for students who can benefit from individualized instruction in study skills and study habits in a laboratory setting. The study skills and study habits learned depend on the needs of the individual students and include communication/literacy skills, quantitative reasoning skills, critical thinking skills, educational computer applications, knowledge of college resources, and application of composition skills across the curriculum.

Online
95008  Class Starts on Monday, May 23, 2022
Online

EDU-112C  Skills Acquisition for Student Success - Allied Health
0.0 units:
This course is designed to provide students the opportunity to improve and enhance their allied health skills through a number of training exercises that assist in the clinical development of and reinforcement of the practical allied health skills. The course is in a lab setting enriched with a resource library, manikins (for skills practice), and computer stations. Course duration is 8-36 hours. Open Entry.

Mered Off-Campus
95117  Class Starts on Wednesday, May 25, 2022
W 03:00p-07:00p Mehat, S
BRC-120
Comments: This 1 - week class is held from 05/25/22 to 05/25/22

95115  Class Starts on Monday, June 13, 2022
M 03:00p-07:00p Mehat, S
BRC-120
Comments: This 1 - week class is held from 06/13/22 to 06/13/22

Online
95010  Class Starts on Monday, May 23, 2022
Online

EDU-110  Reading and Computers
0.0 units:
This course is best suited for adult learners below the third grade reading ability that need individual attention, encouragement, and reinforcement while learning basic phonics, reading, spelling, and vocabulary skills. The student can learn at his/her own rate of speed with computer assisted instruction.

Mered Off-Campus
95016  Class Starts on Monday, May 23, 2022
MTWTh 09:00a-12:00p Vitaso, J
BRC-215
BRC-215

EDU-508  Mature Driver Improvement
0.0 units:
This course is designed primarily for drivers age 55 and older. Students receive classroom instruction on driving safety, road courtesy, improving driving performance, and safe driving techniques for emergencies. This course is 8 hours in duration.

Mered Off-Campus
95630  Class Starts on Wednesday, June 1, 2022
Chowchilla
95103 Class Starts on Monday, May 23, 2022
MW 05:00p-08:00p Stretch, V
MUHS-AHS
Comments: This class meets in person and may require online access.
Contact: vanessa.stretch@mccd.edu for course-specific questions

Online
95099 Class Starts on Monday, May 23, 2022
Murillo Meraz, O Online
Comments: This class meets in person and may require online access.
Contact: olga.murilla344@mccd.edu for course-specific questions

ENG-802 Advanced-Beginning ESL Skills
0.0 units: .
This course is for preliterate and nonliterate ESL students who have minimal English language skills. Emphasis in this course is on aural and oral skills with visual reinforcement. The student will be introduced to reading, writing and math skills. Course duration is 204 - 288 hours.

Online
95027 Class Starts on Monday, May 23, 2022
MTWTh 06:00p-08:30p Ramos Avalos, S INT-INT
Ramos Avalos, S Online
Comments: SYNCHRONOUS ONLINE SESSIONS: Monday, Tuesday, Wednesday, Thursday 06:00PM - 08:30PM, online using Canvas/Zoom Asynchronous portion: Held online using Canvas (no specific meeting dates/times) This course requires online access and a webcam. Contact: sergio.ramos@mccd.edu for course-specific questions.

95049 Class Starts on Monday, May 23, 2022
MTWTh 09:00a-12:00p Cervantes Juan, M
Comments: SYNCHRONOUS ONLINE SESSIONS: Monday, Tuesday, Wednesday, Thursday 09:00AM - 12:00PM, online using Canvas/Zoom This course requires online access and a webcam. Contact: maria.cervantes2700@mccd.edu for course-specific questions.

95050 Class Starts on Monday, May 23, 2022
MTWTh 09:00a-12:00p Cervantes Juan, M INT-INT
Comments: SYNCHRONOUS ONLINE SESSIONS: Monday, Tuesday, Wednesday, Thursday 09:00AM - 12:00PM, online using Canvas/Zoom This course requires online access and a webcam. Contact: olga.murilla344@mccd.edu for course-specific questions.

95052 Class Starts on Monday, May 23, 2022
MTWTh 06:00p-08:30p Ramos Avalos, S INT-INT
Ramos Avalos, S Online
Comments: SYNCHRONOUS ONLINE SESSIONS: Monday, Tuesday, Wednesday, Thursday 06:00PM - 08:30PM, online using Canvas/Zoom Asynchronous portion: Held online using Canvas (no specific meeting dates/times) This course requires online access and a webcam. Contact: olga.murilla344@mccd.edu for course-specific questions.

95056 Class Starts on Monday, May 23, 2022
MTWTh 09:00a-11:30a Murillo Meraz, O INT-INT
Comments: SYNCHRONOUS ONLINE SESSIONS: Tuesday, Wednesday, Thursday 09:00AM - 11:30AM, online using Canvas/Zoom This course requires online access and a webcam. Contact: rebecca.allen@mccd.edu for course-specific questions.

95118 Class Starts on Monday, May 23, 2022
Th 08:00a-12:30p Ramos Avalos, S INT-INT
Ramos Avalos, S Online
Comments: SYNCHRONOUS ONLINE SESSIONS: Thursday 08:00AM - 12:30PM, online using Canvas/Zoom Asynchronous portion: Held online using Canvas (no specific meeting dates/times) This course requires online access and a webcam. Contact: sergio.ramos@mccd.edu for course-specific questions

95119 Class Starts on Monday, May 23, 2022
Th 08:00a-12:30p Ramos Avalos, S INT-INT
Ramos Avalos, S Online
Comments: SYNCHRONOUS ONLINE SESSIONS: Thursday 08:00AM - 12:30PM, online using Canvas/Zoom Asynchronous portion: Held online using Canvas (no specific meeting dates/times) This course requires online access and a webcam. Contact: rebecca.allen@mccd.edu for course-specific questions.

95107 Class Starts on Monday, May 23, 2022
MTWTh 05:30p-07:30p Cervantes Juan, M
Comments: SYNCHRONOUS ONLINE SESSIONS: Monday, Tuesday, Wednesday, Thursday 05:30PM - 07:30PM, online using Canvas/Zoom This course requires online access and a webcam. Contact: mariak.cervantes2700@mccd.edu for course-specific questions.

Chowchilla
95038 Class Starts on Monday, May 23, 2022
TW 12:00p-02:00p Sanchez-Navarro, Z OFML-CHOW
Comments: IN-PERSON SESSIONS: Tuesday, Wednesday 12:00PM - 02:00PM, Kings Library, Chowchilla Asynchro-

95108 Class Starts on Monday, May 23, 2022
MTWTh 05:30p-07:30p Cervantes Juan, M
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Start Date</th>
<th>Course Title</th>
<th>Description</th>
<th>Time</th>
<th>Days</th>
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<tbody>
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<td>ENG-813</td>
<td></td>
<td>Low-Intermediate ESL Skills</td>
<td>This course is designed for low-intermediate level students who need more practice with English skills. This course includes practice in listening, speaking, reading, and writing. Course duration is 204 - 288 hours.</td>
<td>0.0 units</td>
<td>Online</td>
<td>Sanchez-Navarro, Z</td>
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<td>ENG-815</td>
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<td>Intermediate ESL Skills</td>
<td>This course is for intermediate level students who have learned basic survival skills, but who need instruction that will lead to a relatively sophisticated level of discourse of issues and ideas that reach beyond basic survival. This course will prepare students to take credit courses at Merced College. This course includes practice in listening, speaking, reading, and writing. Course duration is 204 - 288 hours.</td>
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<td>Online</td>
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</tbody>
</table>
G.E.D. - Non-Credit (GED)

GED-101 Basic Skills Development and Ged Preparation

0.0 units: .

This 204-288 hours course is designed to build the basic academic skills of adult learners in the areas of reading comprehension, language and evidence-based writing, mathematical reasoning, life, physical, and earth sciences, and social science. Special emphasis is placed on analytical reading skills, problem solving, and test preparation. The content of this course is reflective all new modifications to the GED exam. Subject matter included are the areas covered by the GED exam such as science, social studies, literature, mathematics and writing.

Online

95060 Class Starts on Monday, May 23, 2022
W 08:00a-01:00p Melo, J Online
Comments: SYNCHRONOUS ONLINE SESSIONS: Wednesday 08:00AM - 01:00PM, online using Canvas/Zoom Asynchronous portion: Held online using Canvas (no specific meeting dates/times) This course requires online access and a webcam. Contact: joann.melo@mccd.edu for course-specific questions.

95066 Class Starts on Monday, May 23, 2022
MTWTh 05:00p-07:00p Castro, M Online
Comments: SYNCHRONOUS ONLINE SESSIONS: Monday, Tuesday, Wednesday, Thursday 05:00PM - 07:00PM, online using Canvas/Zoom This course requires online access and a webcam. Contact: marisela.miranda-lom@mccd.edu for course-specific questions.

Guidance (GUID)

GUID-30 Foundations and Strategies For College Success

3.0 units: 54.0 hours lec., Prerequisite: "Advised" Previously taken ENGL-01A is advised.

This comprehensive course integrates the cultivation of skills, values, and attitudes indicative of confident, capable students/individuals with problem solving and critical/creative thinking. The course focuses on the following topics: life management, goal setting, career decision making, educational planning, college expectations and opportunities, instructor-student relationships, cultural diversity, lifestyle choices affecting health maintenance, stress management, campus resources, learning styles and strategies, and study skills. This course is recommended for all new students.

Online

72805 Class Starts on Monday, May 23, 2022
Mendiola, M Online
Comments: This 4-week class is held from 05/23/22 to 06/16/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: monica.mendiola@mccd.edu for course-specific questions.

History (HIST)

HIST-17A United States History and United States Constitution

3.0 units: 54.0 hours lec., Prerequisite: "Advised" Previously taken ENGL-01A is advised.

This is an extensive survey course of United States history from the period of exploration to the Reconstruction Period. The course covers the social, political, economic, and constitutional development of the nation. Course will emphasize the development of critical and historical thinking skills.

Online

52801 Class Starts on Monday, May 23, 2022
Wheeler, J Online
Comments: This 4-week class is held from 05/23/22 to 06/16/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: jake.wheeler@mccd.edu for course-specific questions.

72807 Class Starts on Monday, May 23, 2022
Gardner, J Online
Comments: This 4-week class is held from 05/23/22 to 06/16/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: jennifer.gardner@mccd.edu for course-specific questions.

72809 Class Starts on Monday, May 23, 2022
Gardner, J Online
Comments: This 4-week class is held from 05/23/22 to 06/16/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.
**HIST-17B United States History and California State and Local Government**
3.0 units: 54.0 hours lec.
Prerequisite: "Advised" Previously taken ENGL-01A is advised.
This course is a continuation of HIST-17A from the end of the Reconstruction Period in 1877 to the present. It examines national, state, and local history from the late 19th century to the present. The course covers the social, political, economic, and constitutional development of the nation.

**Online**
72813  Class Starts on Monday, May 23, 2022  
Cook, J  Online
Comments: This 4-week class is held from 05/23/22 to 06/16/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: james.cook@mccd.edu for course-specific questions.

**Health - Non-Credit (HLT)**

**HLT-322 Beginning Fall and Injury Prevention for Beginning Fall and Injury Prevention for Health (HLTH)**
0.0 units:
This 36-hour course is designed to teach older adults how physical activity can help reduce incidences of slips, sprains and falls. The course is a combination of lecture, demonstration, and practice of muscle development and strengthening techniques. Diet and nutrition for supporting health and maintaining healthy weight is also discussed.

**Merced Off-Campus**
95610  Class Starts on Monday, May 23, 2022  
MW  02:00p-03:00p  Serna, R  OFML-PRK MCD
Comments: This 7-week class is held from 05/23/22 to 06/15/22

**Human Services (HMSV)**

**HMSV-24 Work Experience in Human Services**
1.0 units:  
Prerequisite: "Advised" Previously taken ENGL-01A is advised.
This course enables students to earn college credit for learning or improving skills and/or knowledge on-the-job. Occupational Work Experience is discipline-specific and must connect to the student's major or occupational goal(s). Seventy-five (75) hours of documented paid work experience equals 1 unit of credit. Sixty (60) hours of documented volunteer experience equals 1 unit of credit. A student may enroll in up to 16 total units of work experience at Merced College. Students must have an establish work site prior to enrolling in the course.

**Los Banos Off-Campus**
73083  Class Starts on Sunday, June 12, 2022  
Coahran, S  -
Comments: Students registered for HMSV 24, Work Experience in Human Services, must have a paid or volunteer work position in place at the time of registration. This 1 unit course is designed for students majoring in Human Services and whose work is related to the Human Services major. This course requires completion of 60 volunteer or 75 paid hours.

**History - Non-Credit (HST)**

**HST-900 American Citizenship**
0.0 units:  
This course is best suited for non-U.S. citizens. It will provide non-U.S. citizens with a study of the federal and state system of government and the U.S. Constitution, preparing them for the naturalization citizenship interview with United States Citizenship and Immigration Services (USCIS). The course will include civil rights, voting, historical development of the U.S., types of government, the electoral process, political parties, the executive, legislative, and judicial branches of government, and the relationship between the state and federal systems of government. The student can practice reading, writing, speaking, listening, and pronunciation in English.

**Los Banos Campus**
95032  Class Starts on Tuesday, May 24, 2022  
T  05:00p-08:00p  Alvarado Barba, A  LB-B-107
Comments: This 7-week class is held from 05/23/22 to 07/07/22

**Kinesiology (KINE)**

**KINE-35 Flexibility and Cardiovascular Fitness**
2.0 units: 108.0 hours lab.
Limitation on Enrollment: Good general health; absence of medical conditions that would prevent planned physical activity. Practical applications of all aspects of flexibility and cardiovascular conditioning are presented and performed. A system of class presentation is used to insure a gradual, safe, and total physiological adaptation of the student to exercise. A gradual, progressive, safe, and eventually total body fitness experience is pursued. Geriatric fitness adaptations are emphasized.

**Online**
72815  Class Starts on Monday, May 23, 2022  
Matis Foss, A  Online
Comments: This 4-week class is held from 05/23/22 to 06/16/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: amanda.matisfoss@mccd.edu for course-specific questions.

**Mathematics (MATH)**

**MATH-10 Elementary Statistics**
3.0 units: 54.0 hours lec.
Prerequisite: "Advised" Must have previously completed intermediate algebra or equivalent ---OR--- recommend taking this course concurrently with MATH-95S support.
*Advised* Previously taken ENGL-01A is advised.
This course covers descriptive statistics, including organization and presentation of data; elementary probability including permutations, combi-
nations, binomial and normal distributions; inferential statistics, including random sampling, hypothesis testing, regression, and correlation and chi-square distribution.

Online
12801 Class Starts on Monday, May 23, 2022
Saad, B Online
Comments: This 4-week class is held from 05/23/22 to 06/16/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: bassem.saad@mccd.edu for course-specific questions.

Medical - Non-Credit (MED)
MED-717 Medical Assisting
0.0 units: .
This entry level course designed for the adult students who desire vocational training in the field of medical assisting. Course instruction includes an overview of the career of medical assisting, knowledge of medical law and ethics, oral and written communication skills, medical terminology, anatomy and physiology, and administrative and clinical office procedures. This course is 960 hours in duration and is open entry format.

Merced Off-Campus
95904 Class Starts on Monday, June 13, 2022
TTh 03:00p-07:00p Mehat, S LB-A-108
M 04:00p-08:00p Mehat, S LB-A-108
Comments: This 6-week class is held from 06/13/22 to 07/21/22

95903 Class Starts on Monday, June 13, 2022
MTWTh 08:00a-04:00p Eighmey, P BRC-220
Comments: This 6-week class is held from 06/13/22 to 07/21/22

Management (MGMT)
MGMT-50S Leading With Your Strengths
0.5 units: 9.0 hours lec.
This course will help students understand their unique strengths and how applying their Strengths can give them their best opportunity for success. Through the CliftonStrengthsfinder assessment, students will learn strategies to apply their Strengths in the workplace and in everyday life. Students will also learn how to recognize the Strengths of others and how to apply this knowledge to help teams work effectively together. Pass/No Pass only.

Online
92803 Class Starts on Wednesday, June 1, 2022
Pistoresi, P Online
Comments: This 3-week course is held from 06/01/22 to 06/15/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: pistoresi.p@mccd.edu for course-specific questions. This course requires the purchase of the book Strengthsfinder 2.0 and take the online assessment referenced in the back of the book. Students will need to print out the assessment reports and bring to class on the first day. Students may not purchase a used book.

Photography (PHOT)
PHOT-33 The History of Photography
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken ENGL-01A is advised. This historical survey course covers image capture techniques from the camera obscura through current digital technologies. The artistic significance and broad social implications of photography provide an underlying basis for critical analysis. The course includes lecture and discussion Components coupled with visual presentations.

Online
72817 Class Starts on Monday, May 23, 2022
Cooper, T Online
Comments: This 4-week class is held from 05/23/22 to 06/16/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: tricia.cooper@mccd.edu for course-specific questions.

Physical Science (PHSC)
PHSC-01 Introduction to Physical and Earth Science
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken ENGL-01A is advised. This is an introductory course presenting the nature of physical, earth, and space sciences and their relationship to other areas of scientific knowledge. The course will develop the major concepts and give an understanding of the general principles of physical, earth, and space science. As an introductory class, the course of study will focus on major principles and applications to modern observations and phenomena. This course is designed to meet the content requirement for physical science and for earth and space science for the Liberal Studies - Elementary Teaching preparation pathway.

Online
12805 Class Starts on Monday, May 23, 2022
Khurana, P Online
Comments: This 4-week class is held from 05/23/22 to 06/16/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: pam.khurana@mccd.edu for course-specific questions.

Political Science (POSC)
POSC-01 Essentials of American Political System
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken ENGL-01A is advised. This course will introduce students to institutions of American national government, the American political system, and California state and local government. The course includes a study of the United States Constitution and its application to federal, state, and local government. Emphasis is placed upon various roles of national and state government, constitutional rights and obligations of citizens, and the evolution and development of California state political institutions. This course meets the United States Constitution requirement and the federal, California state, and local government requirement.

Online
72819 Class Starts on Monday, May 23, 2022
Gardner, J Online
Comments: This 4-week class is held from 05/23/22 to 06/16/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: jennifer.gardner@mccd.edu for course-specific questions.

72821 Class Starts on Monday, May 23, 2022
Gardner, J Online
Comments: This 4-week class is held from 05/23/22 to 06/16/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: jennifer.gardner@mccd.edu for course-specific questions.

Psychology (PSYC)
PSYC-01A Introduction to Psychology
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken ENGL-01A is advised. PSYC-01A is a survey course designed to provide an introduction to the facts and theories underlying human behavior. Special emphasis is given to the following topics: schools of psychology, physiological factors, sensation, perception, motivation, learning, thinking, emotion, abnormal behavior, personality, heredity, environment, and social factors.

Online
52802 Class Starts on Monday, May 23, 2022
Adams, H Online
Comments: This 4-week class is held from 05/23/22 to 06/16/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: bassem.saad@mccd.edu for course-specific questions.
RADT-14A Radiologic Sciences II
2.0 units: 27.0 hours lec, 27.0 hours lab.
Limitation on Enrollment: Enrollment in the Diagnostic Radiologic Technology Program. This course covers the theory and application of factors that govern and influence the production of quality radiographic images. A basic knowledge of quality control, optimal imaging standards, image evaluation and factors that can affect image quality such as anatomy and positioning will be reviewed to assure consistency in the production of quality radiographic images.

Merced Campus
42001 Class Starts on Tuesday, May 24, 2022
T 09:00a-11:10a Abarca, R AHC-148
11:30a-01:40p Abarca, R AHC-148
Comments: This 11 week course is held from 05/24/22 to 08/02/22.

RADT-14B Clinical Education II
3.5 units: 189.0 hours lab.
Limitation on Enrollment: Enrollment in the Diagnostic Radiologic Technology Program. This course provides continued clinical experience for application of theoretical principles and concepts covered in previous and current didactic coursework. Clinical experience in patient care and handling, positioning skills, equipment utilization, radiation protection application, patient information management, work efficiency and image evaluation is provided.

Merced Off-Campus
49006 Class Starts on Monday, May 23, 2022
- Abarca, R

RADT-17A Radiologic Sciences III
2.0 units: 36.0 hours lec, .
Limitation on Enrollment: Enrollment in the Diagnostic Radiologic Technology Program. This course presents an overview of the principles of the interaction of radiation with living systems, the principles behind radiation protection, including the responsibilities of the radiographer for patients, personnel and the public. Radiation health and safety requirements of federal and state regulatory agencies, accreditation agencies and health care organizations are incorporated.

Merced Campus
42002 Class Starts on Wednesday, May 25, 2022
W 09:00a-12:05p Abarca, R AHC-148
Comments: This 11 week course is held from 05/25/22 to 08/03/22.

RADT-17B Advanced Clinical Education II
7.0 units: 378.0 hours lab.
Limitation on Enrollment: Enrollment in the Diagnostic Radiologic Technology Program. This course provides clinical experience for reapplication of theoretical principles and concepts covered in previous and current didactic coursework to ensure continued competency. Clinical experience in patient care and handling, positioning skills, equipment utilization, radiation protection application, work efficiency and image evaluation is provided.

Merced Off-Campus
49008 Class Starts on Monday, May 23, 2022
- Abarca, R
Comments: This 11 week course is held from 05/23/22 to 08/04/22.

RADT-24 Work Experience in Radiology
1.0 units: .
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
This course enables students to earn college credit for learning or improving skills and/or knowledge on-the-job. Occupational Work Experience is discipline-specific and must connect to the student's major or occupational goal(s). Seventy-five (75) hours of documented paid work experience equals 1 unit of credit. Sixty (60) hours of documented volunteer experience equals 1 unit of credit. A student may enroll in up to 16 total units of work experience at Merced College. Students must have an established work site prior to enrolling in the course.

Merced Off-Campus
43005 Class Starts on Monday, May 23, 2022
- Lang, K
Comments: This 11 week course is held from 05/23/22 to 08/04/22.

Sewing - Non-Credit (SEW)
SEW-407 Needlecrafts and Sewing
0.0 units: .
This 36-54 hour course provides instruction in knitting, crocheting, stitching and sewing with an emphasis on: making needlecrafts easier, learning the basic techniques in each of the areas, and learning how to select the right equipment, and the correct pattern for each level of expertise.

Merced Campus
95500 Class Starts on Monday, June 6, 2022
M 05:00p-07:00p Acheson, D VOC-39
Comments: This 9 - week class is held from 06/06/22 to 08/04/22

Skills - Non-Credit (SKLS)
SKLS-210 Daily Living Skills
0.0 units: .
This 435-455 hour course is designed primarily for mentally and physically disabled students who are functioning at very low levels. The course teaches the basic living skills necessary for successful social interaction,
self-care, and to help enhance self-esteem.

**SOC-03 Marriage and the Family**
3.0 units: 54.0 hours lec., Prerequisite: *Advised* Previously taken ENGL-01A is advised.
This course provides an overview of sociological theories and concepts utilized to investigate marriage and family relationships. An empirical as well as experiential analysis of marriage and family functions, structures, and roles is emphasized. Special focus is paid to contemporary issues, concerns, and debates regarding marriage and family dynamics.

**Sociology - Non-Credit (SOCL)**

**SOCL-760 Career and Life Planning**
0.0 units: .
This course is designed for students who function at limited levels of cognitive development. It is designed to help students acquire positive workplace attitudes, skills, and habits. This course is 435 - 455 hours in duration and may require a work experience component.

**Vocational Nursing (VOCN)**

**VOCN-46A Applied Mathematics for Pharmacology**
1.0 units: 18.0 hours lec., Prerequisite: *Advised* Must have previously completed intermediate algebra or equivalent ---OR--- recommend taking this course concurrently with MATH-95S support.
This is an introductory pharmacology course which includes an introduction to the professional context of drug administration, and study of the metric, apothecary, and household systems of measurement. Nursing responsibility to patient safety is included. Completion of this course requires accurate interpretation of doctors order, reading medication bottles, calculating drug dosages, and the reason for their application.

**Merced Campus**

**42802 Class Starts on Tuesday, June 7, 2022**
**TWTh 10:00a-11:50a Cazares, K**
**AHC-125**
Comments: This 3 week course is held from 06/07/22 to 06/23/22.

**VOCN-48 Intravenous Therapy/Blood Withdrawal**
2.0 units: 36.0 hours lec., Limitation on Enrollment: Licensed as a Vocational Nurse (required by section 2860.5 of the Board of Vocational Nurses and Psychiatric Technicians) or Registered Nurse. This short-term course is designed to prepare nurses to start and superimpose intravenous fluid and perform blood withdrawal as ordered by the physician. The course will cover psychological preparation of the patient, selection of equipment, aseptic technique,
relevant anatomy and physiology, pharmacology of intravenous solutions, and administering blood components. Students will perform simulated and actual intravenous catheterization and blood withdrawals.

**Merced Campus**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Contact Hours</th>
<th>Prerequisite</th>
<th>Comments</th>
<th>Instructor</th>
<th>Location</th>
<th>Notes</th>
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<tr>
<td>49011</td>
<td>Class Starts on Monday, June 6, 2022</td>
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<td>Alvarez, C</td>
<td>AHC-140</td>
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<td>MTWTh 08:00a-04:50p</td>
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<td>Comments: This 1 week course is held from 06/06/22 to 06/09/22.</td>
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<td><strong>Welding Technology (WELD)</strong></td>
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<td>WELD-06</td>
<td>Fundamentals of Oxy-Fuel Welding and Shielded Metal Arc Welding</td>
<td>3.0</td>
<td>36.0 lec, 54.0 lab.</td>
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<td>This course emphasizes the development of minimum skill standards in welding. The Shielded Metal Arc Welding (SMAW), Oxy-Fuel Welding (OFW) and Oxy Fuel Cutting (OFC) processes are studied as prescribed in the (AWS) American Welding Society Training Qualification (QC 10) entry level standards.</td>
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<td>39001</td>
<td>Class Starts on Tuesday, May 24, 2022</td>
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<td>TWTh 08:00a-10:10a Scroggins, B AG-10</td>
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<td>TWTh 10:20a-01:40p Scroggins, B IT-6</td>
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<td>Comments: This 5-week course is held 05/24/22 to 06/23/22. This class meets in person and may require online access. Contact: <a href="mailto:benjamin.scroggins@mccd.edu">benjamin.scroggins@mccd.edu</a> for course-specific questions</td>
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<td><strong>WELD-51 Introductory Pipe Welding</strong></td>
<td>2.0</td>
<td>18.0 lec, 54.0 lab.</td>
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<td>Prerequisite: <em>Required</em> Previously taken WELD-07 and WELD-06 and passed with a grade of C or received an equivalent. This course is an introduction to pipe and tube fitting and welding. Industry standards established by the American Welding Society (AWS) and the American Petroleum Institute (API) are used as the basis for instruction. This course meets the needs of the food processing and liquid/gas material handling industries.</td>
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<td>39002</td>
<td>Class Starts on Tuesday, May 24, 2022</td>
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<td>TWTh 05:30p-06:30p Russell, C AG-10</td>
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<td>TWTh 06:40p-10:00p Russell, C IT-6</td>
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<td>Comments: This 5-week course is held 05/24/22 to 06/23/22. This class meets in person and may require online access. Contact: <a href="mailto:chad.russell@mccd.edu">chad.russell@mccd.edu</a> for course-specific questions</td>
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### Accounting (ACTG)

**ACTG-04A  Financial Accounting**  
4.0 units:  72.0 hours lec.  
Prerequisite: *Advised* Previously taken ACTG-51 and MATH-C or MATH-61 or MATH-62 is advised.  
This course provides the student with the knowledge of corporate financial statement reporting and the ability to analyze the reports of a corporation. Basic topics include analysis of transactions and preparation of financial statements related to developing an understanding of the financial condition of a corporation. This accounting course is recommended for students who have knowledge of or equivalent experience in the basics of bookkeeping.  
**Online**  
92020  Class Starts on Tuesday, June 21, 2022  
Stapleton, I  Online  
Comments: This 6-week course is held 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: stapleton.i@mccd.edu for course-specific questions.

**ACTG-31  Computerized Accounting**  
2.0 units:  18.0 hours lec,  54.0 hours lab.  
Prerequisite: *Required* Take ACTG-04A or ACTG-51. Minimum grade C,P;  
*Advised* Previously taken AOM-30 and ENGL-01A is advised  
This course provides instruction in computer-assisted accounting. Topics include general ledger setup, accounts receivable setup, accounts payable setup, transactions and reports, financial statement analysis, depreciation, and payroll.  
**Online**  
92030  Class Starts on Tuesday, June 21, 2022  
Abbott, D  Online  
Comments: This 6-week course is held 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: david.abbott@mccd.edu for course-specific questions.

**ACTG-51  Applied Accounting**  
4.0 units:  72.0 hours lec.  
Prerequisite: *Advised* Previously taken ENGL-01A and MATH-C, MATH-61 or MATH-62 is advised.  
This course is an entry-level Accounting course emphasizing a preparer approach using manual accounting methods and comparing them to current computerized accounting. Basic course work during the first half of the semester relates to the sole proprietorship type organization. During the second half of the course the emphasis changes to cover the basics of partnership and corporate accounting. Students will become acquainted with both the theory and terminology associated with the accounting cycle. Other topics in accounting will also be covered including Payroll, Cash, Inventory, Bad Debts and Depreciation.  
**Online**  
92021  Class Starts on Tuesday, June 21, 2022  
Stapleton, I  Online  
Comments: This 6-week course is held 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: stapleton.i@mccd.edu for course-specific questions.

### Anthropology (ANTH)

**ANTH-02  Sociocultural Anthropology**  
3.0 units:  54.0 hours lec, .  
Prerequisite: *Advised* Previously taken ENGL-01A is advised.  
This course is an introduction to the study of human culture and the concepts, theories, and methods used in the comparative study of socio-cultural systems. Subjects include subsistence patterns, social and political organization, language and communication, family and kinship, religion, the arts, social inequality, ethnicity, gender, and culture change. The course applies anthropological perspectives to contemporary issues.  
**Online**  
52835  Class Starts on Tuesday, June 21, 2022  
Crandall, J  Online  
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: james.crandall@mccd.edu for course-specific questions.

### Administrative Office Mgmt (AOM)

**AOM-30  Introduction to Computer Applications**  
3.0 units:  36.0 hours lec,  54.0 hours lab.  
This course is intended for students seeking an introduction to application software used in the workplace with emphasis on business situations. Computer applications including word processing, spreadsheets, databases, and presentation managers will be covered.  
**Online**  
92000  Class Starts on Tuesday, June 21, 2022  
Garcia Martinez, J  Online  
Comments: This 6-week course is held 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: juan.garcia955@mccd.edu for course-specific questions. COMMENTS: Windows computer highly recommended.

### Art (ART)

**ART-01  Survey of Western Art, Prehistory-Middle**  
3.0 units:  54.0 hours lec, .  
Prerequisite: *Advised* Previously taken ENGL-01A is advised.  
This course is a survey that examines the historical contexts of humanity through the development of art, architecture, painting, sculpture, and the minor arts, from pre-history through the medieval period.  
**Online**  
72841  Class Starts on Tuesday, June 21, 2022  
Cooper, T  Online  
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.

### Agriculture Plant Science (AGPS)

**AGPS-01  Elements of Plant Science**  
3.0 units:  36.0 hours lec,  54.0 hours lab.  
This course is designed to provide the students with a working knowledge of fundamental structures and processes of plants. Principles to be applied cover plant structures, physiology, heredity, environmental relationship to growth, adaptation, and management of crops. Techniques of research, exploration of plant growth, and identification of economical crops will be included.

**Los Banos Campus**  
72925  Class Starts on Tuesday, June 21, 2022  
Mosell, S  TTh  09:00a-01:10p  Mosell, S  LB-B-104  Comments: This 6-week class is held from 06/21/22 to 07/28/22. IN-PERSON SESSIONS: Lab;Tuesday and Thursdays, 09:00a to 01:10p, LB-B104. Asynchronous portion: Held online using Canvas (no specific meeting dates/times)
ART-02 Survey of Western Art From Renaissance To Contemporary  
3.0 units: 54.0 hours lec, .  
Prerequisite: *Advised* Previously taken ENGL-01A advised.  
This course is a survey that examines the historical context of humanity through the development of art, architecture, sculpture, painting and the applied arts from the Renaissance to the Contemporary period.  
**Online**  
52808  Class Starts on Tuesday, June 21, 2022  
Cooper, T  
Online  
Comments: This 6-week class is held from 06/21/22 to 07/28/22. Open Educational Resources/Zero Textbook Cost: All learning materials provided at no cost to students. ASYN-CHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: tricia.cooper@mccd.edu for course-specific questions.

ART-15 Design: 2-D Foundations  
3.0 units: 36.0 hours lec, 54.0 hours lab.  
This studio survey class is a required foundation course for the study of the Visual Arts. Lectures and studio projects explore and analyze concepts related to the elements and principles of current and historical design theories. Philosophical, social and cultural implications are examined. Subject matter is directly linked to topics in 2-D, fine art, graphic design, commercial art, and photography, with broader applications to professional fields of 3-D, applied arts, environmental design, architecture, interior design and fashion. Required for Art Majors.  
**Online**  
52816  Class Starts on Tuesday, June 21, 2022  
Macaraeg, E  
Online  
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYN-CHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: edwin.macaraeg@mccd.edu for course-specific questions.

ART-24A Fundamentals of Drawing  
3.0 units: 36.0 hours lec, 54.0 hours lab.  
This studio survey course introduces the principles, elements, and practices of drawing, employing a wide range of subject matter and drawing media. Students will focus on perceptually based drawing, observational skills, technical abilities, conceptual thinking and critical analysis. Historical and contemporary developments, critical trends, materials, and approaches in drawing will be examined for their philosophical and cultural implications. Required for Art Majors.  
**Online**  
52841  Class Starts on Tuesday, June 21, 2022  
Macaraeg, E  
Online  
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYN-CHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: edwin.macaraeg@mccd.edu for course-specific questions.

**Merced Campus**  
52843  Class Starts on Tuesday, June 21, 2022  
Isho, D  
Online  
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYN-CHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: diana.isho@mccd.edu for course-specific questions.

**Merced Campus**  
59001  Class Starts on Tuesday, June 21, 2022  
MTWTh 08:00a-09:15a  Serpa, B  
ART-6  
Comments: This 6-week class is held from 06/21/22 to 07/28/22. This class meets in-person and may require online access.

**ART-24B Intermediate Drawing**  
3.0 units: 36.0 hours lec, 54.0 hours lab.  
Prerequisite: *Required* Take ART-24A. Minimum grade C,P.  
This course is an exploration of artistic concepts, styles, and creative expression related to intermediate-level drawing, focusing on complex subject matter and concepts using a variety of drawing mediums, techniques, and methodologies. Students in this course will build on fundamental drawing skills to develop personalized approaches to content and materials in exercises covering multiple historical and contemporary approaches to drawing.  
**Online**  
52840  Class Starts on Tuesday, June 21, 2022  
Macaraeg, E  
Online  
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYN-CHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: edwin.macaraeg@mccd.edu for course-specific questions.

**Merced Campus**  
52844  Class Starts on Tuesday, June 21, 2022  
Isho, D  
Online  
Comments: This 6-week class is held from 06/21/22 to 07/29/22. ASYN-CHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: diana.isho@mccd.edu for course-specific questions.

**Art - Digital (ARTD)**  
**ARTD-40A Introduction to Digital Art**  
3.0 units: 36.0 hours lec, 54.0 hours lab.  
The studio survey course introduces fundamental raster and vector artwork concepts and visualization processes. Students will learn basic design elements, compositional principles, current digital art theories, philosophical and cultural implications, and software techniques to create, edit, and output digital visuals. The course emphasizes creative thinking skills, design aesthetics, static imagery and motion media competence.  
**Merced Campus**  
52901  Class Starts on Tuesday, June 21, 2022  
MTWTh 11:00am-01:05p  Perlin, A  
ART-8  
Comments: This 6-week class is held from 06/21/22 to 07/28/22. IN-PERSON SESSIONS: Mon,Tues,Wed,Thu, 11:00AM-1:05PM, Room ART-8 Asynchronous portion: Held online using Canvas (no specific meeting dates/times) ARTD-40A-52901 requires a $30 materials fee.

**Astronomy (ASTR)**  
**ASTR-01 Principles of Astronomy**  
3.0 units: 54.0 hours lec, .  
Prerequisite: *Advised* Previously taken ENGL-01A is advised. This is a basic course studying the principles of astronomy beginning with the solar system and continuing through the Milky Way Galaxy and the galaxies beyond. Throughout the course topics relating to the philosophy of science, history of astronomy, tools of the astronomer, and supporting topics of physics are introduced. The course is designed for students satisfying breadth requirements in science and having a general interest in astronomy.  
**Merced Campus**  
10050  Class Starts on Tuesday, June 21, 2022  
MTWTh 08:00a-10:05a  SCI-208  
Comments: This class meets in person and may require online access.
ATHL-02A Off-Season Conditioning for Baseball
1.0 units: 162.0 hours lab.
Limitation on Enrollment: This is a varsity team off-season conditioning course that requires coach's or academic advisor's signature. This course is designed to optimize sports performance and reduce risk of injury for the off-season intercollegiate athlete in the sport of baseball. Course content will include: sport specific skill development, sport specific strength training, cardiovascular conditioning, agility work, plyometrics, speed training, and flexibility exercises. This course is designed to prepare students for intercollegiate baseball competition and may be repeated to meet requirements for CCCAA eligibility.

Merced Campus
42841 Class Starts on Tuesday, June 21, 2022
MWTTh 10:00a-01:00p Staff, M ATHL-POOL
Comments: Section 42841 is held 06/20/22 to 07/28/22.

ATHL-02B Off-Season Conditioning for Basketball
1.0 units: 108.0 hours lab.
Limitation on Enrollment: This is a varsity team off-season conditioning course that requires coach's or academic advisor's signature. This course is designed to optimize sports performance and reduce risk of injury for the off-season intercollegiate athlete in the sport of basketball. Course content will include: sport specific skill development, sport specific strength training, cardiovascular conditioning, agility work, plyometrics, speed training, and flexibility exercises. This course is designed to prepare students for intercollegiate basketball competition and may be repeated to meet requirements for CCCAA eligibility.

Merced Campus
42840 Class Starts on Tuesday, June 21, 2022
MTWTh 03:00p-05:10p Huddleston, A ATHL-GYM
Comments: Section 42840 will be held 06/20/22 to 07/28/22.

ATHL-02F Off-Season Conditioning for Soccer
1.0 units: 54.0 hours lec, .
Limitation on Enrollment: This is a varsity team off-season conditioning course that requires coach's or academic athletic advisor's signature. This course is designed to optimize sports performance and reduce risk of injury for the off-season intercollegiate athlete in the sport of soccer. Course content will include: sport specific skill development, sport specific strength training, cardiovascular conditioning, agility work, plyometrics, speed training, and flexibility exercises. This course is designed to prepare students for intercollegiate soccer competition and may be repeated to meet requirements for CCCAA eligibility.

Merced Campus
42843 Class Starts on Tuesday, June 21, 2022
TWTTh 09:30a-11:55a Daughdrill, J ATHL-ATH1
Comments: Section 42843 will be held 06/20/22 to 08/04/22.

ATHL-02G Off-Season Conditioning for Water Polo
1.0 units: 108.0 hours lab.
Limitation on Enrollment: This is a varsity team off-season conditioning course that requires coach's or academic advisor's signature. This course is designed to optimize sports performance and reduce risk of injury for the off-season intercollegiate athlete in the sport of water polo. Course content will include: sport specific skill development, sport specific strength training, cardiovascular conditioning, agility work, plyometrics, speed training, and flexibility exercises. This course is designed to prepare students for intercollegiate water polo competition and may be repeated to meet requirements for CCCAA eligibility. This course may be repeated 3 times.

Merced Campus
42844 Class Starts on Tuesday, June 21, 2022
MTWTh 07:00p-08:50p McCall, S ATHL-POOL
Comments: Section 42844 will be held 06/20/22 to 07/28/22.
42870 Class Starts on Tuesday, June 21, 2022
MTWTh 09:00a-10:50a Halpin, W

ATHL-03 Athletic Conditioning
0.5 units: 108.0 hours lab.
Limitation on Enrollment: This is a varsity team off-season conditioning course that requires coach's or academic advisor's signature. Advisory: Good general health; absence of medical conditions that would prevent planned physical activity. This class is designed to prepare athletes for athletic competition. Different training techniques will be used including: functional training, core training, plyometrics, and strength training. Emphasis will be placed on injury prevention and to improve athletic performance. Multiple workouts are required per week. This course may be repeated 3 times.

Merced Campus
49050 Class Starts on Tuesday, June 21, 2022
TWTTh 08:00a-10:25a Casey, J ATHL-GYM
49047 Class Starts on Tuesday, June 21, 2022
MTWTh 06:30a-07:50a Halpin, W ATHL-POOL
Comments: Section 42847 will be held 06/20/22 to 07/28/22.
49048 Class Starts on Tuesday, July 5, 2022
MTWTh 01:00p-03:50p Pinasco, J ATHL-STAD
Comments: Section 42848 is held 06/20/22 to 07/28/22.

ATHL-36D Theory and Analysis of Track and Field
1.0 units: 18.0 hours lec, .
Prerequisite: *Advised* Previously taken ENGL-01A is advised. This course presents the fundamental knowledge of track and field through techniques of lecture, discussions, and video/DVD analysis.

Merced Campus
42850 Class Starts on Tuesday, June 21, 2022
MTW 11:00a-11:50a Alston, N ATHL-POOL
Comments: Section 42850 is held 06/20/22 to 07/28/22.
**Biology (BIOL)**

**BIOL-01 General Biology for Non-Majors**

4.0 units: 54.0 hours lec, 54.0 hours lab.

Limitation on Enrollment: This course is not open to students having a C or better in BIOL-04A or BIOL-04AH. This course is an introductory-level course designed for non-majors. Areas stressed include the origin of life, structure and function of cells, basic processes of life, reproduction, ecology, microbiology, evolution, classification, genetics, and metabolic processes. **Online**

**12040** Class Starts on Tuesday, June 21, 2022

- Goffewell, K

  Comments: ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.

  Contact: goffewell.k@mccd.edu for course-specific questions.

**12041** Class Starts on Tuesday, June 21, 2022

- Goffewell, K

  Comments: ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.

  Contact: goffewell.k@mccd.edu for course-specific questions.

**12042** Class Starts on Tuesday, June 21, 2022

- Goffewell, K

  Comments: ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.

  Contact: goffewell.k@mccd.edu for course-specific questions.

**72811** Class Starts on Tuesday, June 21, 2022

- Doust, A

  Comments: This 7-week class is held from 06/21/22 to 08/04/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.

  Contact: atousa.doust@mccd.edu for course-specific questions.

**Merced Campus**

**12901** Class Starts on Tuesday, June 21, 2022

- MTWTh 10:15a-12:20p

  SCI-112

  Comments: IN-PERSON SESSIONS: Lab; Monday-Thursday; 10:15a-12:20p; SCI-112. Asynchronous portion: Held online using Canvas (no specific meeting dates/times).

  **10053** Class Starts on Tuesday, June 21, 2022

- MTWTh 10:15a-12:20p

  Cayetano Simmari, L

  SCI-111

- MTWTh 02:45p-04:50p

  Cayetano Simmari, L

  SCI-112

  Comments: This class meets in person and may require online access.

  **10051** Class Starts on Tuesday, June 21, 2022

- MTWTh 10:15a-12:20p

  Cayetano Simmari, L

  SCI-111

- MTWTh 08:00a-10:05a

  Cayetano Simmari, L

  SCI-112

  Comments: This class meets in person and may require online access.

  **10052** Class Starts on Tuesday, June 21, 2022

- MTWTh 10:15a-12:20p

  Cayetano Simmari, L

  SCI-111

- MTWTh 12:30p-02:35p

  Cayetano Simmari, L

  SCI-112

  Comments: This class meets in person and may require online access.

**BIOL-02 Human Biology**

4.0 units: 54.0 hours lec, 54.0 hours lab.

Limitation on Enrollment: This course is not open to students having a C or better in BIOL-04A or BIOL-04AH. This course is recommended for Allied Health students. This course is an introduction to the principles of biology with an emphasis on humans. Topics covered include scientific method, cell structure and function, biochemistry, metabolism, cell division, heredity, biotechnology, evolution, anatomy and physiology of the human body, development and aging, disease, and ecology. This course is recommended for allied health students. **Merced Campus**

**12902** Class Starts on Tuesday, June 21, 2022

- MTWTh 10:15a-12:20p

  Doscher, E

  SCI-115

  Comments: IN-PERSON SESSIONS: Lab; Monday-Thursday;

  Classes:

  **12903** Class Starts on Tuesday, June 21, 2022

- MTWTh 02:45p-04:50p

  Kilic, F

  SCI-115

  Comments: IN-PERSON SESSIONS: Lab; Monday-Thursday; 02:45p-04:50p; SCI-115. Asynchronous portion: Held online using Canvas (no specific meeting dates/times).

  **10054** Class Starts on Tuesday, June 21, 2022

- MTWTh 10:15a-12:20p

  Coburn, C

  SCI-203

- MTWTh 08:00a-10:05a

  Coburn, C

  SCI-115

  Comments: This class meets in person and may require online access.

  **10055** Class Starts on Tuesday, June 21, 2022

- MTWTh 10:15a-12:20p

  Coburn, C

  SCI-203

- MTWTh 12:30p-02:35p

  Coburn, C

  SCI-115

  Comments: This class meets in person and may require online access.

**Los Banos Campus**

**72905** Class Starts on Tuesday, June 21, 2022

- MTWTh 04:30p-06:35p

  Ward, W

  SCI-112

  Comments: This 6-week class is held from 06/21/22 to 07/28/22. IN-PERSON SESSIONS: Lab; Mondays, Tuesdays, Wednesdays and Thursdays; 04:30-06:35p, LB-B102

  Asynchronous portion: Held online using Canvas (no specific meeting dates/times)

**BIOL-06 Environmental Science**

3.0 units: 54.0 hours lec, .

Prerequisite: *Advised* Previously taken ENGL-01A is advised. This introductory course examines Earth as an ecosystem composed of biological, chemical and physical processes with emphasis on man's impact on the planet. Topics include the structure and function of ecosystems, biodiversity, the impact of industrialization and urbanization, energy, populations, resources, pollution, pesticides and risk/benefit assessment. **Online**

**12046** Class Starts on Tuesday, June 21, 2022

- Online

  Comments: ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.

  Contact: TBA for course-specific questions.

**BIOL-09 Introduction to Genetics**

3.0 units: 54.0 hours lec, .

Prerequisite: *Advised* Previously taken ENGL-01A is advised. This course is an introductory study of genetic principles, inheritance, variation, and evolution in plants and animals. This course includes the study of Mendelian genetics, molecular genetics, and population genetics. Recent research innovations explored include genetic engineering. **Online**

**12047** Class Starts on Tuesday, June 21, 2022

- Online

  Comments: ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.

  Contact: TBA for course-specific questions.

**BIOL-16 General Human Anatomy**

4.0 units: 36.0 hours lec, 108.0 hours lab.

Prerequisite: *Required* Previously taken BIOL-01 BIOL-02 or BIOL-04A and passed with a minimum grade of C or received an equivalent. Previously taken ENGL-01A and passed with a minimum
CLOSED}

**SUMMER SESSION 2 CLASSES**

**BIOL-18 Principles of Physiology**
4.0 units: 54.0 hours lec, 54.0 hours lab.
Prerequisite: *Required* Take CHEM-02A; or BIOL-04A or BIOL-01 or BIOL-02; *Advised* ENGL-01A advisory is advised.

*Advised* ENGL-01A advisory is advised. This course is a general lecture and laboratory course in human physiology, including a study of blood and circulation, respiration, muscle activity, endocrine glands, digestion, excretion, and the functions and activities of the brain, nerves, and sense organs.

**Merced Campus**

12931 Class Starts on Tuesday, June 21, 2022 - Zermeno, J
MTWTh 09:00a-12:50p Zermeno, J SCI-116
Comments: This 7-week class is held from 06/21/22 to 08/04/22. IN-PERSON SESSIONS: Lab; Monday-Thursday; 09:00a-12:50p; SCI-116. Asynchronous portion: Held online using Canvas (no specific meeting dates/times).

**BUS-10 Introduction to Business**
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken AOM-30 and ENGL-01A is advised.

This survey course is an overview of all aspects involved in business. It covers economic foundations, types of business organizations, marketing, money and banking, and finance. This information will be integrated and related to social, political, legal, and international matters affecting the United States.

**Online**

92073 Class Starts on Tuesday, June 21, 2022 - Avila, A
Online
Comments: This 6-week class is held 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: annette.avila@mccd.edu for course-specific questions.

**BUS-18A Business Law**
4.0 units: 72.0 hours lec.
Prerequisite: *Advised* Previously taken BUS-10 and ENGL-01A is advised.

This course is a study of legal principles that govern the conduct of business. Included are surveys of the essential elements of legal history and jurisprudence; judicial, administrative, and alternative dispute resolution; ethics; business crime; torts; contracts and the UCC; bankruptcy; agency relationships; property, administrative law; labor and employment law; international law. Introduction to legal research and brief-writing are also included.

**Online**

92022 Class Starts on Tuesday, June 21, 2022 - Matis Foss, A
Online
Comments: This 7-week class is held 06/21/22 to 08/04/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas.
There are no specific meeting times for this course. Contact: amanda.matisfoss@mccd.edu for course-specific questions.

Chemistry (CHEM)

CHEM-02A  Introductory Chemistry
4.0 units: 54.0 hours lec, 54.0 hours lab.
Prerequisite: *Advised* Must have previously completed intermediate algebra or equivalent ---OR--- recommend taking this course concurrently with MATH-95S support.

This is an introduction to the general principles of inorganic chemistry, atomic and molecular structure, states of matter, solutions, and radioactivity. The class is designed for students majoring in liberal studies; nursing or agriculture.

Online

12050  Class Starts on Tuesday, June 21, 2022
Le, T
Online
Comments: ASYNCHRONOUS ONLINE CLASS  Held online in Canvas. There are no specific meeting times for this course. Contact: thanhngoc.le@mccd.edu for course-specific questions.

12051  Class Starts on Tuesday, June 21, 2022
Le, T
Online
Comments: ASYNCHRONOUS ONLINE CLASS  Held online in Canvas. There are no specific meeting times for this course. Contact: thanhngoc.le@mccd.edu for course-specific questions.

12052  Class Starts on Tuesday, June 21, 2022
Le, T
Online
Comments: ASYNCHRONOUS ONLINE CLASS  Held online in Canvas. There are no specific meeting times for this course. Contact: thanhngoc.le@mccd.edu for course-specific questions.

12053  Class Starts on Tuesday, June 21, 2022
Khurana, S
Online
Comments: ASYNCHRONOUS ONLINE CLASS  Held online in Canvas. There are no specific meeting times for this course. Contact: saheba.khurana@mccd.edu for course-specific questions.

12054  Class Starts on Tuesday, June 21, 2022
Khurana, S
Online
Comments: ASYNCHRONOUS ONLINE CLASS  Held online in Canvas. There are no specific meeting times for this course. Contact: saheba.khurana@mccd.edu for course-specific questions.

Merced Campus

12913  Class Starts on Tuesday, June 21, 2022
 -
MTWTh  02:45p-04:50p  SCI-109
Comments: IN-PERSON SESSIONS: Lab: Monday-Thursday; 02:45p-04:50p; SCI-109. Asynchronous portion: Held online using Canvas (no specific meeting dates/times).

10057  Class Starts on Tuesday, June 21, 2022
MTWTh  10:15a-12:20p  SCI-110
MTWTh  08:00a-10:05a  SCI-109
Comments: This class meets in person and may require online access.

10058  Class Starts on Tuesday, June 21, 2022
MTWTh  10:15a-12:20p  SCI-110
MTWTh  12:30p-02:35p  SCI-109
Comments: This class meets in person and may require online access.

60007  Class Starts on Tuesday, June 21, 2022
MTWTh  05:30p-07:35p  Giagou, T  SCI-110
MTWTh  07:45p-09:50p  Giagou, T  SCI-109
Comments: This class meets in person and may require online access.

CHEM-04A  General Chemistry I
5.0 units: 54.0 hours lec, 108.0 hours lab.
Prerequisite: *Required* Take CHEM-02 is required.
*Advised* Must have previously completed intermediate algebra or equivalent ---OR--- recommend taking this course concurrently with MATH-95S support.

*Advised* Previously taken ENGL-01A is advised.

This course is designed to teach general principles of chemistry emphasizing nomenclature, chemical equations, stoichiometry, concentration, gas laws, atomic structure, bonding, intermolecular forces, and crystalline solids. It is designed for the student majoring in chemistry, physics, biology, engineering, pre-med, or related fields. A student who has not successfully completed the prerequisite of CHEM-02A but has completed a high school chemistry course with a grade of "B" or higher may consider submitting a prerequisite challenge.

Online

12818  Class Starts on Tuesday, June 21, 2022
Issavi, H
Online
Comments: This 7-week class is held from 06/20/22 to 08/04/22. ASYNCHRONOUS ONLINE CLASS  Held online in Canvas. There are no specific meeting times for this course. Contact: halin.issavi@mccd.edu for course-specific questions.

12819  Class Starts on Tuesday, June 21, 2022
Issavi, H
Online
Comments: Lecture is concurrent with CHEM-04A-12818. This 7-week class is held from 06/20/22 to 08/04/22. ASYNCHRONOUS ONLINE CLASS  Held online in Canvas. There are no specific meeting times for this course. Contact: halin.issavi@mccd.edu for course-specific questions.

Merced Campus

19300  Class Starts on Tuesday, June 21, 2022
MTWTh  12:00p-01:50p  SCI-107
MTWTh  08:00a-11:50a  SCI-107
Comments: This 7-week class is held from 06/21/22 to 08/04/22. This class meets in person and may require online access.

CHEM-13A  First Semester Organic Chemistry Lecture
3.0 units: 54.0 hours lec, .
Prerequisite: *Required* Previously taken CHEM-0B and passed with a minimum grade of C or received an equivalent.

*Advised* Previously taken ENGL-01A is advised.

This course is a study of the theory and practice of organic chemistry examining the bonding, structure, stereochemistry, nomenclature, properties, and reactions of hydrocarbons and organic halides. Addition, substitution, elimination, and rearrangement reactions are examined. Corresponding mechanisms and energy diagrams are included in the study. Nuclear magnetic resonance, infrared, ultra-violet and mass spectroscopy are introduced as structural elucidation techniques.

Online

12942  Class Starts on Tuesday, June 21, 2022
Le, T
Online
Comments: This 7-week class is held from 06/21/22 to 08/04/22. ASYNCHRONOUS ONLINE CLASS  Held online in Canvas. There are no specific meeting times for this course. Contact: thanhngoc.le@mccd.edu for course-specific questions.

CHEM-13AL  First Semester Organic Chemistry Lab
2.0 units: 108.0 hours lab.
Prerequisite: *Required* Previously taken CHEM-04B and passed with a minimum grade of C or received an equivalent.

*Required* Previously taken CHEM-13A and passed with a minimum grade of C ---OR--- Concurrently enrolled in CHEM-13A

*Advised* Previously taken ENGL-01A is advised.

A laboratory course that includes the study of organic laboratory techniques including the synthesis of organic compounds, separation, characterization, identification, purification, and the use of related instrumentation. This course is directed toward students in science and pre-professional preparation.

Merced Campus
Child Development (CLDV)

CLDV-01 Child Growth and Development
3.0 units: 54.0 hours lec, .
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
Examines the major physical, cognitive, social and emotional developmental milestones for children, typical and atypical, from conception through adolescence. Emphasis on interactions between maturational processes and environmental factors. Students will observe children, evaluate individual differences and analyze characteristics of development at various stages according to developmental theories.

Online
42070  Class Starts on Tuesday, June 21, 2022
Patton, M  Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. Open Educational Resources/Zero Textbook Cost: All learning materials provided at no cost to students. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: marvin.patton@mccd.edu for course-specific questions.

CLDV-06 Embracing Diversity in Education
3.0 units: 54.0 hours lec, .
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
Examines the impact of social diversity on human development in the United States. A self-examination regarding multicultural values and beliefs is explored with a focus on anti-bias educational philosophies. Social justice and promoting an equitable society for all children and families will be addressed.

Online
42073  Class Starts on Tuesday, June 21, 2022
Cruthird, A  Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. Open Educational Resources/Zero Textbook Cost: All learning materials provided at no cost to students. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: andrea.cruthird@mccd.edu for course-specific questions.

CLDV-02 Child, Family and Community
3.0 units: 54.0 hours lec, .
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
An examination of the developing child in a societal context which focuses on the interrelationships of family, school, and community while emphasizing cultural, historical and socio-cultural contexts.

Online
42071  Class Starts on Tuesday, June 21, 2022
Patton, M  Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. Open Educational Resources/Zero Textbook Cost: All learning materials provided at no cost to students. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: marvin.patton@mccd.edu for course-specific questions.

CLDV-09 Human Development
3.0 units: 54.0 hours lec, .
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
This course is an introduction to the scientific study of human development from conception through death. It examines interplay of biological, psychological, social, and cultural forces on the developing human being.

Online
42077  Class Starts on Tuesday, June 21, 2022
Huddleston, A  Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: allen.huddleston@mccd.edu for course-specific questions.

CLDV-05 Health, Safety and Nutrition
3.0 units: 54.0 hours lec, .
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
Laws, regulations, standards, policies, procedures, and best practices related to health, safety, and nutrition in care and education settings for children birth through middle childhood. Includes the teacher's role related to health, safety, and nutrition experiences into daily routines, and overall risk management.

Online
42072  Class Starts on Tuesday, June 21, 2022
Cruthird, A  Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. Open Educational Resources/Zero Textbook Cost: All learning materials provided at no cost to students. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: andrea.cruthird@mccd.edu for course-specific questions.

Communication Studies (COMM)

COMM-01 Fundamentals of Speech
3.0 units: 54.0 hours lec, .
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
This course is designed to instruct students in the fundamentals of composing, preparing and presenting speeches in front of audiences. The focus will be on researched speeches to inform and persuade. By the end of the course, students should be speaking confidently and skillfully and should be able to transfer their understanding and skills from the classroom to "real world" situations.

Online
22110  Class Starts on Tuesday, June 21, 2022
Ramsey, R  Online
Comments: This 6-week course is held from 06/21/22 to 07/28/22. Open Educational Resources/Zero Textbook Cost: All learning materials provided at no cost to students. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: reed.ramsey@mccd.edu for course-specific questions.
COMM-04 Small Group Discussion & Problem Solving
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
This is a course designed to help students develop critical thinking and oral presentation skills for communicating and working together on small group tasks. Emphasis is placed on problem-solving, reasoning, conflict resolution, and leadership.

Online 22111 Class Starts on Tuesday, June 21, 2022
Ward, M  Online
Comments: This 6-week course is held from 06/21/22 to 07/28/22. Open Educational Resources/Zero Textbook Cost: All learning materials provided at no cost to students. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: Matthew.ward@mccd.edu for course-specific questions.

22113 Class Starts on Tuesday, June 21, 2022
Ramsey, R  Online
Comments: This 6-week course is held from 06/21/22 to 07/28/22. Open Educational Resources/Zero Textbook Cost: All learning materials provided at no cost to students. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: Reed.ramsey@mccd.edu for course-specific questions.

COMM-05 Interpersonal Communication
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
The focus of this course is to examine successful verbal and nonverbal communication in interpersonal relationships. Communication theory and skills will be investigated in order to help students interact more effectively in personal and professional relationships.

Online 22112 Class Starts on Tuesday, June 21, 2022
Amarillas, M  Online
Comments: This 6-week course is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: melissa.amarillas@mccd.edu for course-specific questions.

72843 Class Starts on Tuesday, June 21, 2022
Cavallaro, D  Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: daniel.cavallaro@mccd.edu for course-specific questions.

Computer Science (CPSC)

CPSC-01 Introduction to Computer Information Systems
4.0 units: 54.0 hours lec, 54.0 hours lab.
Prerequisite: *Advised* Previously taken ENGL-01A and MATH-C, MATH-61 or MATH-62 is advised.
An introduction to the basics of computing systems, impact of computers on our society, and the future of computing. Focus on using applications, algorithm design, programming basics, database management systems, networking, ethics and security, information systems, internet and web technologies, and computer systems hardware and software components. Application of these concepts and methods through hands-on projects developing computer-based solutions to problems.

Online 12001 Class Starts on Tuesday, June 21, 2022
Concec, R  Online
Comments: ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: ronan.concec@mccd.edu for course-specific questions.

CPSC-06 Programming Concepts and Methodology I
3.0 units: 36.0 hours lec, 54.0 hours lab.
Prerequisite: *Advised* Must have previously completed intermediate algebra or equivalent ---OR--- recommend taking this course concurrently with MATH-95S support.
*Advised* Previously taken CPSC-01 and ENGL-01A is advised.
This course introduces the discipline of computer science using a high level language; provides an overview of computer organization and an introduction to software engineering. Topics include methodologies for program design, development, style, testing, and documentation; algorithms, control structures, methods, and elementary data structures. These skills will be used to solve a variety of application problems.

Online 12011 Class Starts on Tuesday, June 21, 2022
Concec, R  Online
Comments: ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: ronan.concec@mccd.edu for course-specific questions.

CPSC-18 Drone Technology II
3.0 units: 36.0 hours lec, 54.0 hours lab.
Prerequisite: *Required* Take CPSC-06 or ENGR-14 or CPSC-14; Minimum grade C,P;
*Advised* Previously taken CPSC-17 and ENGL-01A is advised.
This course covers drone technology data acquisition and analysis. Several different sensors and data analysis applications will be utilized.

MERced Campus 12701 Class Starts on Tuesday, June 21, 2022
S 09:00a-02:50p Kanemoto, K VOC-113
Comments: IN-PERSON SESSIONS: Lab; Saturdays; 09:00a-02:50p; VOC-113. Asynchronous portion: Held online using Canvas (no specific meeting dates/times)

Criminal Justice (CRIM)

CRIM-33 Violence in the Family
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken CRIM-02 is advised.
This course examines criminal law and the psycho-socio dynamics of child abuse, elder abuse, spousal abuse, and sexual assault.

Online 42075 Class Starts on Tuesday, June 21, 2022
Johnson, M  Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: mark.johnson702@mccd.edu for course-specific questions.

Computer Tech and Info Systems (CTIS)

CTIS-04 Programming With Python
3.0 units: 36.0 hours lec, 54.0 hours lab.
An introduction to the fundamental concepts and basic concepts of program design, data structures, programming, problem solving, programming logic, and fundamental design techniques for event-driven programs. Hands-on experience. Python is a dynamic, object oriented language, is perfect for beginner and also meets industry needs.

Online 12809 Class Starts on Tuesday, June 21, 2022
CTIS-11 Linux System Administration
3.0 units: 36.0 hours lec, 54.0 hours lab.
Prerequisite: *Advised* Previously taken CPSC-01 is advised. This course will provide a student with the knowledge and skills required to build, maintain, troubleshoot and support server hardware and software technologies. The course also provides hands-on training of the Linux/Unix operating system. Topics include: installation, management, configuration, security, documentation, utilities, DOS, hacking and file protection on workstations in a LAN environment. This prepares CompTia Linux+ and Server+.

CTIS-17 Systems and Network Administration
3.0 units: 27.0 hours lec, 108.0 hours lab.
Prerequisite: *Required* Previously taken CTIS-15 or CTIS-16 and passed with a grade of C or received an equivalent. This course describes the architecture, components, and operations of routers and switches in larger and more complex networks. Students will learn how to configure routers and switches for advanced functionality. At the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with OSPF, EIGRP, and STP in both IPv4 and IPv6 networks. Students will also develop the knowledge and skills needed to implement a WLAN in a small-to-medium network. This course is 3 of 4 in the Google IT Support Specialist Certificate, course 3 or 4 in the CCNA certificate, and gets a student ready for the CompTIA Server+ Certification.

CTIS-20 Introduction to Information Systems Security
3.0 units: 27.0 hours lec, 108.0 hours lab.
Prerequisite: *Required* Previously taken CTIS-15 and passed with a minimum grade of C or received an equivalent. An introduction to the fundamental principles and topics of Information Technology Security and Risk Management at the organizational level. It addresses hardware, software, processes, communications, applications, and policies and procedures with respect to organizational Cybersecurity and Risk Management. Preparation for the CompTIA Security+ certification exams. This course is 4 of 4 in the Google IT Support Professional Certificate and course 4 or 4 in the CCNA certificate.

CTIS-21 Introduction to Cyber Security: Ethical Hacking
3.0 units: 36.0 hours lec, 54.0 hours lab.
Prerequisite: *Advised* Previously taken CTIS-15 and CTIS-20 is advised.

This course that introduces students to the concepts, principles, and techniques, supplemented by hands-on exercises, for attacking and disabling a network within the context of properly securing a network. The course emphasizes network attack methods with the emphasis on student use of network attack techniques and tools and appropriate defenses and countermeasures. Students receive course content information through a variety of methods: lecture and demonstration of hacking tools will be used in addition to a virtual environment. Students experience a hands-on practical approach to penetration testing measures and ethical hacking.

ECON-01 Introduction to Microeconomics
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken ENGL-01A is advised. ECON-01 is an introductory course in microeconomic theories including maximization, benefit verses cost, rational choice, the analysis of demand and supply, the role of price in free markets, consumer behavior, market structure, production cost, competitive business models, and resource pricing. The course examines the nature of production, distribution, market outcomes, and the role of government in the market.

ECON-02 Introduction to Macroeconomics
3.0 units: 54.0 hours lec.
Prerequisite: *Required* Previously taken ECON-01 or AGBS-11 is required. *Advised* Previously taken ENGL-01A is advised. ECON-02 is an introductory course in macroeconomic theories including the determination of income, output, employment, and prices in the economy; the monetary system; governmental fiscal, monetary, and income policies; economic growth; international trade; and economic development.
**Electricity/Electronics Tech (ELCT)**

**ELCT-30  Exploring the World of Electricity and Electronics**

3.0 units: 54.0 hours lec, .

This is an overview of electricity and electronics presented in the context of the principles of science. Students will gain an understanding of electronic components and circuits and will learn how to use the scientific method to investigate the physical nature of electricity, magnetism and their applications. Topics such as electronics in biotechnology, communications, consumer electronics, and industrial technology will be addressed, along with the impact and context of the electronic age on modern society.

<table>
<thead>
<tr>
<th>Course</th>
<th>Start Date</th>
<th>Instructor</th>
<th>Type</th>
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<tbody>
<tr>
<td>32800</td>
<td>Tuesday, June 21</td>
<td>Hamilton, A</td>
<td>Online</td>
</tr>
<tr>
<td></td>
<td>Comments: This 6-week course is held 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: <a href="mailto:aaron.hamilton@mccd.edu">aaron.hamilton@mccd.edu</a> for course-specific questions.</td>
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</table>

**English (ENGL)**

**ENGL-01A  College Composition and Reading**

4.0 units: 72.0 hours lec, .

This course focuses on critical reading and thinking, research strategies, and scholarly composition with proper documentation at the college transfer level. Students write expository, analytical, and argumentative essays informed by assigned readings, discussion, and/or research.

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<tr>
<th>Course</th>
<th>Start Date</th>
<th>Instructor</th>
<th>Type</th>
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<tbody>
<tr>
<td>22201</td>
<td>Tuesday, June 21</td>
<td>Zamora, J</td>
<td>Online</td>
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<tr>
<td></td>
<td>Comments: This 6-week course is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: <a href="mailto:jocias.zamora@mccd.edu">jocias.zamora@mccd.edu</a> for course-specific questions.</td>
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<tr>
<td>22202</td>
<td>Tuesday, June 21</td>
<td>Diaz, K</td>
<td>Online</td>
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<td>Comments: This 6-week course is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: <a href="mailto:Kathleen.diaz@mccd.edu">Kathleen.diaz@mccd.edu</a> for course-specific questions.</td>
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<tr>
<td>22203</td>
<td>Tuesday, June 21</td>
<td>Toconis, M</td>
<td>Online</td>
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<td>Comments: This 6-week course is held from 06/21/22 to 07/28/22. Open Educational Resources/Zero Textbook Cost: All learning materials provided at no cost to students. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: <a href="mailto:toconis.m@mccd.edu">toconis.m@mccd.edu</a> for course-specific questions.</td>
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<tr>
<td>22204</td>
<td>Tuesday, June 21</td>
<td>Lloyd, N</td>
<td>Online</td>
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<td></td>
<td>Comments: This 6-week course is held from 06/21/22 to 07/28/22. Open Educational Resources/Zero Textbook Cost: All learning materials provided at no cost to students. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: <a href="mailto:Nathaniel.lloyd@mccd.edu">Nathaniel.lloyd@mccd.edu</a> for course-specific questions.</td>
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<tr>
<td>22205</td>
<td>Tuesday, June 21</td>
<td>Rocha, M</td>
<td>Online</td>
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<tr>
<td></td>
<td>Comments: This 6-week course is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: <a href="mailto:rocha.m@mccd.edu">rocha.m@mccd.edu</a> for course-specific questions.</td>
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<td>22206</td>
<td>Tuesday, June 21</td>
<td>Epstein-Corbin, S</td>
<td>Online</td>
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<td>Comments: This 6-week course is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.</td>
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**ENGL-01B  Introduction to Literature**

3.0 units: 54.0 hours lec, .

Prerequisite: *Required* Take ENGL-01A Minimum grade C,P; This course introduces representative works from four major genres: short story, novel, drama, and poetry. Students develop analytical and evaluative reading and writing skills while acquiring an appreciation for the cultural context and the aesthetic qualities of literature. Students read texts from various countries and periods in order to encourage an appreciation of literature's range, artistry, and insight into the human experience.

<table>
<thead>
<tr>
<th>Course</th>
<th>Start Date</th>
<th>Instructor</th>
<th>Type</th>
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<tbody>
<tr>
<td>22208</td>
<td>Tuesday, June 21</td>
<td>Piro, V</td>
<td>Online</td>
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<td>Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: <a href="mailto:piro.v@mccd.edu">piro.v@mccd.edu</a> for course-specific questions.</td>
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<td>72845</td>
<td>Tuesday, June 21</td>
<td>Kludt, K</td>
<td>Online</td>
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<td>Comments: This 6-week class is held from 06/21/22 to 07/28/22. This class is linked to ENGL-95S-72887; registration in both sections is required. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: <a href="mailto:kevin.kludt@mccd.edu">kevin.kludt@mccd.edu</a> for course-specific questions.</td>
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<tr>
<td>72847</td>
<td>Tuesday, June 21</td>
<td>Flanagan, J</td>
<td>Online</td>
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<td>Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: <a href="mailto:james.flanagan@mccd.edu">james.flanagan@mccd.edu</a> for course-specific questions.</td>
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<tr>
<td>72849</td>
<td>Tuesday, June 21</td>
<td>Chavez, C</td>
<td>Online</td>
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<tr>
<td></td>
<td>Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: <a href="mailto:chavez.c@mccd.edu">chavez.c@mccd.edu</a> for course-specific questions.</td>
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</table>

**Merced Campus**

**CHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: rocha.m@mccd.edu for course-specific questions.**

**21010 Class Starts on Tuesday, June 21, 2022**

**MTWTh 08:00a-10:50a Bachman, E IAC-123**

**21011 Class Starts on Tuesday, June 21, 2022**

**MTWTh 08:00a-10:50a IAC-127**

**21012 Class Starts on Tuesday, June 21, 2022**

**MTWTh 12:00p-02:50p IAC-122**

**21013 Class Starts on Tuesday, June 21, 2022**

**MTWTh 12:00p-02:50p IAC-122**

**ENGL-01A  Minimum grade C,P**

**Open Educational Resources/Zero Textbook Cost**

Courses with this icon have course materials that are free of charge and therefore not required to be purchased.
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: kevin.klundt@mccd.edu for course-specific questions.

ENGL-95S Enhanced Academic Literacy

**Summer 2022**

**ENGL-13 Critical Reasoning and Writing**

3.0 units: 54.0 hours lec. 
Prerequisite: *Required* Take ENGL-01A. Minimum grade C.P.

This course offers instruction in argumentative and critical writing, critical thinking, research strategies, information literacy, and proper documentation. Readings feature mostly non-fictional essays and books that reflect diverse cultural and gender perspectives on a variety of contemporary political and social issues, especially those involving race, ethnicity, and gender. ENGL-13/PHIIL-13 meets the IGETC critical thinking/composition requirement.

**Online**

22210 Class Starts on Tuesday, June 21, 2022
Zamora, J Online
Comments: This 6-week course is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: jocia.s zamora@mccd.edu for course-specific questions.

22214 Class Starts on Tuesday, June 21, 2022
Bachman, E Online
Comments: This 6-week course is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: erik.bachman@mccd.edu for course-specific questions.

22216 Class Starts on Tuesday, June 21, 2022
Epstein-Corbin, S Online
Comments: This 6-week course is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: sean.epstein-corbin@mccd.edu for course-specific questions.

72855 Class Starts on Tuesday, June 21, 2022
Flanagan, J Online
Comments: This 6-week course is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: james.flanagan@mccd.edu for course-specific questions.

72859 Class Starts on Tuesday, June 21, 2022
Klutd, K Online
Comments: This 6-week course is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: kevin.klundt@mccd.edu for course-specific questions.

**Merced Campus**

21016 Class Starts on Tuesday, June 21, 2022
MTW 09:00a-10:50a Fries, M IAC-142
Comments: This 6-week class is held from 06/21/22 to 07/28/22. This class meets in-person and may require online access.

21018 Class Starts on Tuesday, June 21, 2022
MTW 08:00a-10:50a Fries, M IAC-122
Comments: This 6-week course is held from 06/21/22 to 07/28/22. This class meets in-person and may require online access.

**Blended Learning**

22216 Class Starts on Tuesday, June 21, 2022
Barnes, L Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: kevin.klundt@mccd.edu for course-specific questions.

**Online**

22287 Class Starts on Tuesday, June 21, 2022
Kludt, K Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. This class is linked to ENGL-01A-72845; registration in both sections is required. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: kevin.klundt@mccd.edu for course-specific questions.

**Ethnic Studies (ETHN)**

**ETHN-20 History of Asian Americans**

3.0 units: 54.0 hours lec. 
Prerequisite: *Advised* Previously taken ENGL-01A is advised.

This course is an interdisciplinary study of Asian Americans from a historical, political, sociological, and aesthetic perspective. Social emphasis is placed on the contributions of Asian Americans scholars and activists by using an intersectional lens to explore the effects of colonialism, imperialism, white supremacy, and racism. This course offers pragmatic historical and political evaluations that aim to introduce students interested in Ethnic Studies, Asian American Studies, Gender Studies, and social movements.

**Online**

52820 Class Starts on Tuesday, June 21, 2022
Doria, L Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: lorraine.doria@mccd.edu for course-specific questions.

**Geography (GEOG)**

**GEOG-01 Physical Geography**

3.0 units: 54.0 hours lec. 
Prerequisite: *Advised* Previously taken ENGL-01A is advised.

This course is a spatial study of the Earth's dynamic physical systems and processes. Topics include: Earth-sun geometry, weather, climate, water, landforms, soil, and the biosphere. Emphasis is on the interrelationships among environmental and human systems and processes and their resulting patterns and distributions. Tools of geographic inquiry are also briefly covered; they may include: maps, remote sensing, Geographic Information Systems (GIS) and Global Positioning Systems (GPS).

**Online**

52846 Class Starts on Tuesday, June 21, 2022
Grace, G Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: garrick.grace@mccd.edu for course-specific questions.

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Courses with this icon have course materials that are free of charge and therefore not required to be purchased.
**Geology (GEOL)**

**GEOL-01 Physical Geology**

4.0 units: 54.0 hours lec, 54.0 hours lab.

Prerequisite: *Advised* Previously taken ENGL-01A — AND — Previously taken MATH-C MATH-61 or MATH-62 is advised.

This is a beginning course in geology stressing the beneficial and destructive forces of nature and their causes. The course includes a study of the development of landscapes, the origin of minerals and rocks, geologic work of ground water, the phenomena of earthquakes, volcanism, metamorphism and other fundamental concepts of geology. Lab work includes the identification and study of rocks and minerals, study of topographic and geologic maps and aerial photographs, and introduction to cross section and profiles of topographic maps. A field trip is required for this class.

**Merced Campus**

12915 Class Starts on Tuesday, June 21, 2022

Davies, R

MTWTh 08:00a-10:05a Davies, R SCI-105

Comments: IN-CLASS SESSIONS: Lab; Monday-Thursday; 08:00a-10:05a; SCI-105. Asynchronous portion: Held online using Canvas (no specific meeting dates/times).

**GEOL-03 Earth Science**

4.0 units: 54.0 hours lec, 54.0 hours lab.

Prerequisite: *Advised* Previously taken ENGL-01A is advised.

An introduction to the essentials of Earth Science including the geosphere, atmosphere, hydrosphere, and solar system. This course focuses on the interactions between physical and chemical systems of the Earth such as the tectonic cycle, rock cycle, hydrologic cycle, weather and climate. This course is designed to meet the content requirement for earth and space science for the Liberal Studies - Elementary Teaching preparation pathway.

**Online**

12055 Class Starts on Tuesday, June 21, 2022

Davies, R

Online

Comments: ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.

Contact: davies.r@mccd.edu for course-specific questions.

**Guidance (GUID)**

**GUID-30 Foundations and Strategies For College Success**

3.0 units: 54.0 hours lec, .

Prerequisite: *Advised* Previously taken ENGL-01A is advised.

This comprehensive course integrates the cultivation of skills, values, and attitudes indicative of confident, capable students/individuals with problem solving and critical/creative thinking. The course focuses on the following topics: life management, goal setting, career decision making, educational planning, college expectations and opportunities, instructor-student relationships, cultural diversity, lifestyle choices affecting health maintenance, stress management, campus resources, learning styles and strategies, and study skills. This course is recommended for all new students.

**Online**

82810 Class Starts on Tuesday, June 21, 2022

Cambridge, I

Online

Comments: This 6-week class is held from 06/21/22 to 07/28/22. Open Educational Resources/Zero Textbook Cost: All learning materials provided at no cost to students. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: cambridge.i@mccd.edu for course-specific questions.

82812 Class Starts on Tuesday, June 21, 2022

Maples, I

Online

Comments: This 6-week class is held from 06/21/22 to 07/28/22. Open Educational Resources/Zero Textbook Cost: All learning materials provided at no cost to students. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: molina@mccd.edu for course-specific questions.

**GUID-54 Foundations and Strategies for Academic Recovery**

3.0 units: 54.0 hours lec, .

This course is appropriate for students wishing to improve their academic standing. Each student will identify his/her educational goal and develop an appropriate plan for achieving that goal. Academic policies will be addressed and strategies to get off and stay off probation, such as, informed decision-making, problem solving, classroom behavior, and behavior modification will also be studied. This course is recommended for all students on academic and/or progress probation.

**Online**

82640 Class Starts on Tuesday, June 21, 2022

Molina, M

Online

Comments: This 6-week class is held from 06/21/22 to 07/28/22. Open Educational Resources/Zero Textbook Cost: All learning materials provided at no cost to students. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: melody.molina@mccd.edu for course-specific questions.

**History (HIST)**

**HIST-04A World History Part 1**

3.0 units: 54.0 hours lec, .

Prerequisite: *Advised* Previously taken ENGL-01A is advised.

This course provides a broad historical survey of humanity’s social, political, economic, and intellectual experiences for all major world civilizations from pre-history through at least 1500.

**Online**

52812 Class Starts on Tuesday, June 21, 2022

Hampton, C

Online

Comments: This 6-week class is held from 06/21/22 to 07/28/22. Open Educational Resources/Zero Textbook Cost: All learning materials provided at no cost to students. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: caleb.hampton@mccd.edu for course-specific questions.

52821 Class Starts on Tuesday, June 21, 2022

Lorenz, M

Online

Comments: This 3-week class is held from 06/21/22 to 07/07/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: lorenz.m@mccd.edu for course-specific questions.

**HIST-17A United States History and United States Constitution**

3.0 units: 54.0 hours lec, .

Prerequisite: *Advised* Previously taken ENGL-01A is advised.

This is an extensive survey course of United States history from the period of exploration to the Reconstruction Period. The course covers the social, political, economic, and constitutional development of the nation. Course will emphasize the development of critical and historical thinking skills.

**Online**

52813 Class Starts on Tuesday, June 21, 2022

Jackson, M

Online

Comments: This 6-week class is held from 06/21/22 to
HIST-17B United States History and California State and Local Government
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
This course is a continuation of HIST-17A from the end of the Reconstruction Period in 1877 to the present. It examines national, state, and local history from the late 19th century to the present. The course covers the social, political, economic, and constitutional development of the nation.

Online
52815 Class Starts on Tuesday, June 21, 2022
Seymour, D Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. Open Educational Resources/Zero Textbook Cost: All learning materials provided at no cost to students. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: david.seymour@mccd.edu for course-specific questions.

52825 Class Starts on Tuesday, June 21, 2022
Arnold, T Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: thomas.arnold@mccd.edu for course-specific questions.

HIST-20 History of Asian Americans
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
This course is an interdisciplinary study of Asian Americans from a historical, political, sociological, and aesthetic perspective. Social emphasis is placed on the contributions of Asian Americans scholars and activists by using an intersectional lens to explore the effects of colonialism, imperialism, white supremacy, and racism. This course offers pragmatic historical and political evaluations that aim to introduce students interested in Ethnic Studies, Asian American Studies, Gender Studies, and social movements.

Online
52828 Class Starts on Tuesday, June 21, 2022
Doria, L Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: lorraine.doria@mccd.edu for course-specific questions.

HIST-29 History of California
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
This course is a survey of the early history of California through to the present, starting with the original peoples of California, the discovery and settlement of the area by the Spanish, the Mexican period, American conquest and occupation, and the gold rush. The course also examines topics including the economic, social, cultural, and political consequences of railroad expansion, and early twentieth-century urbanization. It also includes the impact of the Great Depression and World War II, water projects, protest and reform movements of the 1960's, the rise of conservatism and recent political trends.

Online
52817 Class Starts on Tuesday, June 21, 2022
Hampton, C Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: caleb.hampton@mccd.edu for course-specific questions.

Health - Non-Credit (HLT)

HLTH-10 Contemporary Health
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
This course surveys the human condition from birth to death. Emphasis is placed on the impact of personal choice throughout life. Mental health, stress, alcohol, drugs, tobacco, disease processes, nutrition, fitness, sexuality, aging, environmental issues, and other related topics are studied and examined. The student is challenged to assume responsibility for his or her own health, well being, and lifestyle.
KINE-09 Adaptive Physical Education
1.0 units: 54.0 hours lab.
Advisory: Student must provide medical verification of disability and recommendation of medical intervention. This course is a continuing program of individualized instruction for the physically disabled student allowing that student long-range participation in an adapted exercise physiology environment designed to create more physical independence for the student.
Merced Campus
42852 Class Starts on Tuesday, June 21, 2022
MTWTh 10:00a-11:55a Huddleston, A  GYM-4

KINE-24A Beginning Swimming
1.0 units: 54.0 hours lab.
Limitation on Enrollment: Good general health; absence of medical conditions that would prevent planned physical activity. This course is a general introduction to swimming and aquatics. It is designed for the beginner or non-swimmer who wants to learn aquatic fundamentals and receive stroke instruction in the front crawl, elementary backstroke, and sidestroke.
Merced Campus
42853 Class Starts on Tuesday, June 21, 2022
MTWTh 12:00p-12:50p Halpin, W  ATHL-POOL
Comments: CONTACT: billy.halpin@mccd.edu  IN-CLASS SESSIONS: Lab; MTWTh; 12:00p-12:50p; COMMENTS: Section 42853 has a web component requiring internet access; additional fees may apply.

KINE-24B Techniques and Stroke Development for Swimming
1.0 units: 54.0 hours lab.
Prerequisite: *Advised* Previously taken KINE-24A is advised.
This course is designed for the intermediate swimmer. Emphasis is placed on technique and stroke development of the front crawl, elementary backstroke, and side stroke. Back crawl, breaststroke, butterfly, turns, dives, and fitness and training concepts will also be introduced.
Merced Campus
42854 Class Starts on Tuesday, June 21, 2022
MTWTh 11:00a-11:50a Halpin, W  ATHL-POOL
Comments: CONTACT: billy.halpin@mccd.edu  IN-CLASS SESSIONS: Lab; MTWTh; 11:00a-11:50a. COMMENTS: Section 42854 has a web component requiring internet access; additional fees may apply.

KINE-31 Aerobic Training
1.0 units: 54.0 hours lab.
Limitation on Enrollment: Good general health; absence of medical conditions that would prevent planned physical activity. This class uses a variety of aerobic activities to improve cardio-respiratory endurance. Machines used include stair climber, treadmills, cycles, rowsing, recumbent bikes and cross trainers. Emphasis will be placed on monitoring physiological response to exercise and teaching proper warm-up, training at target rate, and cool down. A pre-test and post-test will be administered to evaluate fitness level and monitor improvement.
Online
42855 Class Starts on Tuesday, June 21, 2022
Kelly, P  Online
Comments: Section 42855 is held 06/20/22 to 07/28/22. Section 42855 will be offered remotely and has a web component requiring internet access; additional fees may apply. Contact: kelly.P@mccd.edu for course-specific questions.

HUM-02 Studies in Humanities--Renaissance to Present
3.0 units: 54.0 hours lec.,
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
The principal aims of this course are to examine human existence and cultural endeavors from the Renaissance to the present. Students will examine the continuities of human endeavors through fine arts, literatures, philosophies, religions, and the sciences, with an integration of certain non-Western cultures.

KINE-01 Introduction to Kinesiology
3.0 units: 54.0 hours lec.,
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
This course is an introduction to the interdisciplinary approach to the study of human movement. An overview of the importance of the sub-disciplines in kinesiology will be discussed. Career opportunities in the areas of teaching, coaching, allied health, and fitness professions.

KINE-02 First Aid and CPR for the Professional Rescuer
3.0 units: 54.0 hours lec.,
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
This course involves the theory and detailed demonstration of the first aid care of the injured. The student will learn to assess a victim's condition and incorporate proper treatment. Standard first aid, CPR for the professional rescuer, and AED certification(s) can be granted upon successful completion of requirements.

Kinesiology (KINE)

HUM-02  Studies in Humanities--Renaissance to Present
3.0 units: 54.0 hours lec.,
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
The principal aims of this course are to examine human existence and cultural endeavors from the Renaissance to the present. Students will examine the continuities of human endeavors through fine arts, literatures, philosophies, religions, and the sciences, with an integration of certain non-Western cultures.

Online
42830 Class Starts on Tuesday, June 21, 2022
Devine, N  Online
42839 Class Starts on Tuesday, June 21, 2022
Severo, S  Online
Merced Campus
42838 Class Starts on Tuesday, June 21, 2022
MTWTh 08:00a-10:00a Huddleston, A  GYM-2

Humanities (HUM)

KINE-01  Introduction to Kinesiology
3.0 units: 54.0 hours lec.,
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
This course is an introduction to the interdisciplinary approach to the study of human movement. An overview of the importance of the sub-disciplines in kinesiology will be discussed. Career opportunities in the areas of teaching, coaching, allied health, and fitness professions.

Online
72871 Class Starts on Tuesday, June 21, 2022
Long, J
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: long.j@mccd.edu for course-specific questions.

KINE-02  First Aid and CPR for the Professional Rescuer
3.0 units: 54.0 hours lec.,
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
This course involves the theory and detailed demonstration of the first aid care of the injured. The student will learn to assess a victim's condition and incorporate proper treatment. Standard first aid, CPR for the professional rescuer, and AED certification(s) can be granted upon successful completion of requirements.
Merced Campus
42862 Class Starts on Tuesday, June 21, 2022
McCall, S  Online
T 09:00a-09:50a McCall, S  AHC-123
Comments: CONTACT: mccall.s@mccd.edu  IN-CLASS SESSIONS: LEC; Tuesdays; 09:00a-10:00a. COMMENTS: 3 Lecture hours per week will be held online. Section 42862 has a web component requiring internet access; additional fees may apply.

KINE-09  Adaptive Physical Education
1.0 units: 54.0 hours lab.
Advisory: Student must provide medical verification of disability and recommendation of medical intervention. This course is a continuing program of individualized instruction for the physically disabled student allowing that student long-range participation in an adapted exercise physiology environment designed to create more physical independence for the student.
Merced Campus
42852 Class Starts on Tuesday, June 21, 2022
MTWTh 10:00a-11:55a Huddleston, A  GYM-4

KINE-24A  Beginning Swimming
1.0 units: 54.0 hours lab.
Limitation on Enrollment: Good general health; absence of medical conditions that would prevent planned physical activity. This course is a general introduction to swimming and aquatics. It is designed for the beginner or non-swimmer who wants to learn aquatic fundamentals and receive stroke instruction in the front crawl, elementary backstroke, and sidestroke.
Merced Campus
42853 Class Starts on Tuesday, June 21, 2022
MTWTh 12:00p-12:50p Halpin, W  ATHL-POOL
Comments: CONTACT: billy.halpin@mccd.edu  IN-CLASS SESSIONS: Lab; MTWTh; 12:00p-12:50p; COMMENTS: Section 42853 has a web component requiring internet access; additional fees may apply.

KINE-24B  Techniques and Stroke Development for Swimming
1.0 units: 54.0 hours lab.
Prerequisite: *Advised* Previously taken KINE-24A is advised.
This course is designed for the intermediate swimmer. Emphasis is placed on technique and stroke development of the front crawl, elementary backstroke, and side stroke. Back crawl, breaststroke, butterfly, turns, dives, and fitness and training concepts will also be introduced.
Merced Campus
42854 Class Starts on Tuesday, June 21, 2022
MTWTh 11:00a-11:50a Halpin, W  ATHL-POOL
Comments: CONTACT: billy.halpin@mccd.edu  IN-CLASS SESSIONS: Lab; MTWTh; 11:00a-11:50a. COMMENTS: Section 42854 has a web component requiring internet access; additional fees may apply.

KINE-31  Aerobic Training
1.0 units: 54.0 hours lab.
Limitation on Enrollment: Good general health; absence of medical conditions that would prevent planned physical activity. This class uses a variety of aerobic activities to improve cardio-respiratory endurance. Machines used include stair climber, treadmills, cycles, rowsing, recumbent bikes and cross trainers. Emphasis will be placed on monitoring physiological response to exercise and teaching proper warm-up, training at target rate, and cool down. A pre-test and post-test will be administered to evaluate fitness level and monitor improvement.
Online
42855 Class Starts on Tuesday, June 21, 2022
Kelly, P  Online
Comments: Section 42855 is held 06/20/22 to 07/28/22. Section 42855 will be offered remotely and has a web component requiring internet access; additional fees may apply. Contact: kelly.P@mccd.edu for course-specific questions. For additional information and technical assistance to log into online classes, contact www.mccd.edu/myhelp/ or call (209) 381-6565.
KINE-32  Circuit Weight Training
1.0 units:  54.0 hours lab.
Advisory: Good general health; absence of medical conditions that would prevent planned physical activity. The equipment provided for both cardiovascular endurance and strength training (single station exercise machines) in the fitness lab are designed to exercise all major muscle groups for a well-rounded fitness program with the non-athletic in mind. Circuit weight training has proven beneficial for people of all ages and genders, who are interested in weight training, with the emphasis on increasing muscle tone and cardiovascular fitness.
Online
42856  Class Starts on Tuesday, June 21, 2022
Kelly, P  Online
Comments: Section 42856 is held 06/20/22 to 07/28/22. Section 42856 will be offered remotely and has a web component requiring internet access; additional fees may apply. Contact: Kelly.p@mccd.edu for course-specific questions. For additional information and technical assistance to log into online classes, contact www.mccd.edu/myhelp/ or call (209) 381-6565.

KINE-33  Weight Training
1.0 units:  54.0 hours lab.
Limitation on Enrollment: Good general health; absence of medical conditions that would prevent planned physical activity. An open laboratory experience for those people who desire an individualized strength program using a combination of exercise machines and free weights. This class is designed specifically to improve strength. The class is suited for athletes and men and women of all age groups who are interested in muscle toning and muscle building.
Online
42858  Class Starts on Tuesday, June 21, 2022
Huddleston, A  Online
Merced Campus
42857  Class Starts on Tuesday, June 21, 2022
MTWTh  02:30p-04:45p  Borba, F  GYM-5
Comments: Section 42857 is held 06/20/22 to 07/28/22.

KINE-34  Fitness Through Activity
1.0 units:  54.0 hours lab.
Limitation on Enrollment: Good general health; absence of medical conditions that would prevent planned physical activity. Students will attain optimal levels of fitness by applying techniques used in a variety of team and/or individual activities. Drills and activities closely emulate actual conditions of competition performance.
Merced Campus
49051  Class Starts on Tuesday, June 21, 2022
MTWTh  02:30p-04:35p  Huddleston, A  GYM-1
Comments: Section 49051 is held 06/20/22 to 07/28/22.

KINE-35  Flexibility and Cardiovascular Fitness
2.0 units:  108.0 hours lab.
Limitation on Enrollment: Good general health; absence of medical conditions that would prevent planned physical activity. Practical applications of all aspects of flexibility and cardiovascular conditioning are presented and performed. A system of class presentation is used to insure a gradual, safe, and total physiological adaptation of the student to exercise. A gradual, progressive, safe, and eventually total body fitness experience is pursued. Geriatric fitness adaptations are emphasized.
Online
42832  Class Starts on Tuesday, June 21, 2022
Devine, N  Online
Comments: Section 42832 will be offered remotely and has a web component requiring internet access; additional fees may apply. Contact: devine.n@mccd.edu for course-specific questions. For additional information and technical assistance to log into online classes, contact www.mccd.edu/myhelp/ or call (209) 381-6565.
42833  Class Starts on Tuesday, June 21, 2022

Mathematics (MATH)

MATH-02  Precalculus
4.0 units:  72.0 hours lec.
Prerequisite: *Required* Previously taken MATH-25 or MATH-95P and passed with minimum grade of C,P. OR Concurrently enrolled in MATH-95P.
*Advised* Previously taken ENGL-01A is advised.
This course is designed to prepare students for calculus. Topics of study include polynomials, complex numbers, algebra of functions, inverse functions, exponential, logarithmic, trigonometric functions and their graphs, systems of equations and inequalities, topics in analytic geometry, and polar coordinates.
Online
12002  Class Starts on Tuesday, June 21, 2022
Mendoza, K  Online
Comments: ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: kimberly.mendoza@mccd.edu for course-specific questions.
12702  Class Starts on Tuesday, June 21, 2022
Mendoza, K  Online
Comments: This class is linked to MATH-95P-12700; registration in both sections is required. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: kimberly.mendoza@mccd.edu for course-specific questions.
12014  Class Starts on Tuesday, June 21, 2022
Mohan, R  Online
Comments: ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: mohan.r@mccd.edu for course-specific questions.
Merced Campus
10003  Class Starts on Tuesday, June 21, 2022
MTWTh  08:00a-10:50a  Malekzadeh, B  SCI-202
Comments: This class meets in person and may require online access.
MATH-03 Calculus for Business
4.0 units: 72.0 hours lec, .
Prerequisite: *Advised* Must have previously completed intermediate algebra or equivalent — OR — recommend taking this course concurrently with MATH-95S support.

*M Advised* Previously taken ENGL-01A is advised.

This course covers the techniques of calculus in the business world: functions, graphs, limits, exponential and logarithmic functions, differentiation, integration, techniques and applications of integration, partial derivatives, optimization, and the calculus of several variables.

**Merced Campus**
19201 Class Starts on Tuesday, June 21, 2022
MATH-03  Multivariable Calculus
MTWTh 10:30a-12:50p Navarro, I
VOC-140
Comments: This class meets in-person and may require online access.

MATH-04A Calculus I
4.0 units: 72.0 hours lec, .
Prerequisite: *Required* Previously taken MATH-02 or MATH-02H is required. NOTE: 3.0-3.9 High School GPA - Contact Counselor to enroll.

*M Advised* Previously taken ENGL-01A is advised.

This course covers limits, continuity, differentiation and integration of algebraic and transcendental functions along with their respective applications.

**Merced Campus**
12926 Class Starts on Tuesday, June 21, 2022
MATH-04A  Calculus I
Th 10:30a-12:50p Martrous, B
SCI-208
Comments: This 7-week class is held from 06/21/22 to 08/04/22. IN-PERSON SESSIONS: Thursdays; 10:30a-12:50p; SCI-208. Asynchronous portion: Held online using Canvas (no specific meeting dates/times)

12810 Class Starts on Tuesday, June 21, 2022
Th 02:00p-02:50p Navarro, I
SCI-203
Comments: This 7-week class is held from 06/21/22 to 08/04/22. IN-PERSON SESSIONS: Thursday; 02:00p-02:50p; SCI-203. Asynchronous portion: Held online using Canvas (no specific meeting dates/times).

MATH-04B Calculus II
4.0 units: 72.0 hours lec, .
Prerequisite: *Required* Take MATH-04A Minimum grade C,P; *Advised* Previously taken ENGL-01A is advised.

This course is a continuation of MATH-04A, addressing application of integration, methods of integration, improper integrals, Taylor’s Formula, infinite series, and plane curves and polar coordinates.

**Online**
12811 Class Starts on Tuesday, June 21, 2022
MATH-04B  Calculus II
Online
Mitchell, P
Comments: This 7-week class is held from 06/21/22 to 08/04/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: patrick.mitchell@mccd.edu for course-specific questions.

**Merced Campus**
19203 Class Starts on Tuesday, June 21, 2022
MATH-04B  Calculus II
MTWTh 08:00a-10:20a Navarro, I
SCI-204
Comments: This 7-week class is held from 06/21/22 to 08/04/22. This class meets in person and may require online access.

MATH-04C Multivariable Calculus
4.0 units: 72.0 hours lec, .
Prerequisite: *Required* Take MATH-04B Minimum grade C,P; *Advised* Previously taken ENGL-01A is advised.

This course covers vectors and solid analytic geometry, vector-valued functions, partial differentiation, multiple integrals, and topics in vector calculus including Green's and Stokes' theorems.

**Online**
12612 Class Starts on Tuesday, June 21, 2022
MATH-04C  Multivariable Calculus
Hogan, G
Online
Comments: This 7-week class is held from 06/21/22 to 08/04/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: gregory.hogan@mccd.edu for course-specific questions.

MATH-06 Elementary Differential Equations
3.0 units: 54.0 hours lec, .
Prerequisite: *Required* Take MATH-04C. Minimum grade C,P; *Advised* Previously taken ENGL-01A and MATH-08 is advised.

This course is an introduction to ordinary differential equations (ODEs), including analytical, graphical and numerical methods, as well as a variety of modeling applications. It introduces both theoretical and practical considerations, including definitions, existence and uniqueness of solutions, techniques for solving first-order ODEs and higher-order linear ODEs, series solutions and singular points for linear differential equations, Laplace transforms, homogeneous versus nonhomogeneous equations, linear systems, and numerical methods.

**Merced Campus**
19202 Class Starts on Tuesday, June 21, 2022
MATH-06  Elementary Differential Equations
MTWTh 08:00a-09:50a Sutterfield, M
SCI-111
Comments: This 7-week class is held from 06/21/22 to 08/04/22. This class meets in person and may require online access.

MATH-08 Linear Algebra
3.0 units: 54.0 hours lec, .
Prerequisite: *Required* Take MATH-04B. Minimum grade C,P; *Advised* Previously taken ENGL-01A is advised.

This course is an introduction to systems of linear equations, matrices, determinants, vector spaces, linear transformations, eigenvalues and eigenvectors with a strong emphasis on applications.

**Merced Campus**
19204 Class Starts on Tuesday, June 21, 2022
MATH-08  Linear Algebra
MTWTh 12:30p-02:20p Sutterfield, M
SCI-111
Comments: This 7-week class is held from 06/21/22 to 08/04/22. This class meets in person and may require online access.

MATH-10 Elementary Statistics
3.0 units: 54.0 hours lec, .
Prerequisite: *Advised* Must have previously completed intermediate algebra or equivalent — OR — recommend taking this course concurrently with MATH-95S support.

*M Advised* Previously taken ENGL-01A is advised.

This course covers descriptive statistics, including organization and presentation of data; elementary probability including permutations, combinations, binomial and normal distributions; inferential statistics, including random sampling, hypothesis testing, regression, and correlation and chi-square distribution.

**Online**
12004 Class Starts on Tuesday, June 21, 2022
MATH-10  Elementary Statistics
Diaz, L
Online
Comments: ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: lisa.diaz@mccd.edu for course-specific questions.

12704 Class Starts on Tuesday, June 21, 2022
MATH-10  Elementary Statistics
Diaz, L
Online
Comments: This class is linked to MATH-95S-12705; registration in both sections is required. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: lisa.diaz@mccd.edu for course-specific questions.

12706 Class Starts on Tuesday, June 21, 2022
MATH-10  Elementary Statistics
MATH-15 Finite Mathematics
3.0 units: 54.0 hours lec, .
Prerequisite: *Advised* Must have previously completed intermediate algebra or equivalent —OR— recommend taking this course concurrently with MATH-95F support.

*MATH-20A Basic Structure of Mathematics I
3.0 units: 54.0 hours lec, .
Prerequisite: *Advised* Must have previously completed intermediate algebra or equivalent —OR— recommend taking this course concurrently with MATH-95A support.

*MATH-20B Basic Structure of Mathematics II
3.0 units: 54.0 hours lec, .
Prerequisite: *Advised* Must have previously completed intermediate algebra or equivalent —OR— recommend taking this course concurrently with MATH-95B support.

*MATH-25 Trigonometry
3.0 units: 54.0 hours lec, .
Prerequisite: *Advised* Must have previously completed intermediate algebra or equivalent —OR— recommend taking this course concurrently with MATH-95T support.

*MATH-26 College Algebra for Liberal Arts
3.0 units: 54.0 hours lec, .
Prerequisite: *Advised* Must have previously completed intermediate algebra or equivalent —OR— recommend taking this course concurrently with MATH-95C support.

*MATH-32 Probability and Statistics for Stem
4.0 units: 72.0 hours lec, .
Prerequisite: *Required* Previously taken MATH-04C and passed with a minimum grade of C —OR— Concurrently enrolled in MATH-04C

*Advised* Previously taken ENGL-01A is advised.

This course is designed to complete the second course of a two-course sequence in basic concepts of mathematics required for students preparing to teach at the elementary school level. This course covers the structure of plane and solid geometry, measurement, introduction to coordinate geometry, elementary probability, and statistics.

Online
12006 Class Starts on Tuesday, June 21, 2022
Diaz, L Online
Comments: ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.
Contact: lisa.diaz@mccd.edu for course-specific questions.

MATH-25 Trigonometry
3.0 units: 54.0 hours lec, .
Prerequisite: *Advised* Must have previously completed intermediate algebra or equivalent —OR— recommend taking this course concurrently with MATH-95T support.

This course is a review of right triangle geometry, real numbers, functions and graphs, trigonometric functions and their graphs, identities, inverse trigonometry functions, solve trigonometric equations, solve right triangles, solve triangles using the Law of Sines, and Law of Cosines.

Online
12008 Class Starts on Tuesday, June 21, 2022
Hogan, G Online
Comments: ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.
Contact: gregory.hogan@mccd.edu for course-specific questions.

MATH-26 College Algebra for Liberal Arts
3.0 units: 54.0 hours lec, .
Prerequisite: *Advised* Must have previously completed intermediate algebra or equivalent —OR— recommend taking this course concurrently with MATH-95C support.

This is a college level course in algebra for majors in the Liberal Arts. The course will cover topics on functions, including polynomial, rational, radical, exponential, absolute value, and logarithmic functions. Solving various types of equations, linear systems, and their applications for problem solving will also be discussed.

Online
12010 Class Starts on Tuesday, June 21, 2022
Gargova, S Online
Comments: ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.
Contact: gargova.s@mccd.edu for course-specific questions.

MATH-32 Probability and Statistics for Stem
4.0 units: 72.0 hours lec, .
Prerequisite: *Required* Previously taken MATH-04C and passed with a minimum grade of C —OR— Concurrently enrolled in MATH-04C

*Advised* Previously taken ENGL-01A is advised.

This course covers concepts of probability and statistics using Calculus methods. Topics include conditional probability, independence, random variables, distribution functions, descriptive statistics, transformations, sampling errors, confidence intervals, least squares and maximum likelihood. Exploratory data analysis and interactive computing.
MATH-62 Beginning and Intermediate Algebra for Liberal Arts
5.0 units: 90.0 hours lec, .
Prerequisite: *Required* Take MATH-80; Minimum grade C,P;
*Advised* Previously taken ENGL-85 is advised.
This course covers the four basic operations on real numbers and algebraic expressions. Topics include order of operations, graphing and solving linear and absolute value equations and inequalities, systems of linear equations, quadratic, variation, geometric, financial, polynomial, exponential, and logarithmic models. This course is designed for non-STEM majors.

Online
12826 Class Starts on Monday, June 20, 2022
Mohan, R Online
Comments: ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.
Contact: mohan.r@mccd.edu for course-specific questions.

12817 Class Starts on Tuesday, June 21, 2022
Rivero, J Online
Comments: This 7-week class is held from 06/20/22 to 08/04/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.
Contact: john.rivero@mccd.edu for course-specific questions.

MATH-95P PreCalculus Support
1.0 units: 54.0 hours lab.
Prerequisite: *Required* Concurrent enrollment in MATH-02.
*Required* Concurrently enrolled in MATH-02 AND Either: Previously taken MATH-25 or equivalent and passed with a minimum grade of C or P. Or: Recieved specific placement into MATH-02 with MATH-95P.
A review of the core prerequisite skills, competencies, and concepts needed in precalculus. Topics include concepts from elementary algebra, intermediate algebra, and trigonometry. Intended for students who are concurrently enrolled in precalculus.

Online
12700 Class Starts on Tuesday, June 21, 2022
Mendoza, K Online
Comments: This class is linked to MATH-02-12702; registration in both sections is required. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: kimberly.mendoza@mccd.edu for course-specific questions.

MERCED COLLEGE 209.384.6000
SUMER SESSION 2 CLASSES
Courses with this icon have course materials that are free of charge and therefore not required to be purchased.
Open Educational Resources/Zero Textbook Cost

MATH-C Intermediate Algebra
4.0 units: 72.0 hours lec, .
Prerequisite: *Required* Take MATH-A or MATH-81. Minimum grade C,P;
*Advised* Previously taken ENGL-85 is advised.
This course covers factoring, functions and graphs, solving linear, quadratic, piecewise defined, exponential, and logarithmic equations, rational expressions and equations, complex numbers, and conic sections.

Online
72875 Class Starts on Tuesday, June 21, 2022
Robinson, D Online
Comments: This 6-week class is held from 06/21/22 to 07/29/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.
Contact: robinson.d@mccd.edu for course-specific questions.

12012 Class Starts on Tuesday, June 21, 2022
Gargova, S Online
Comments: ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.
Contact: gargova.s@mccd.edu for course-specific questions.

Merced Campus
10013 Class Starts on Tuesday, June 21, 2022
MTWTh 11:00a-01:50p Mason, C IAC-143
Comments: This class meets in person and may require online access.

Management (MGMT)
MGMT-51G Stress Management
0.5 units: 9.0 hours lec, .
This course is designed to acquaint the participant with key elements of stress management. Topics will include the recognition of stress, causes of stress, and the benefits of stress management. Various stress management techniques will be covered. Pass/No Pass only.

Online
92801 Class Starts on Thursday, June 23, 2022
Morse, J Online
Comments: This 2-week course is held 06/23/22 to 07/07/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.
Contact: janice.morse@mccd.edu for course-specific questions.

Merced Off-Campus
97201 Class Starts on Thursday, June 23, 2022
Th 01:00p-05:15p Morse, J BRC-122
Comments: This 2-week course held 06/23/22 and 06/30/22. This class meets in person and may require online access.
Contact: janice.morse@mccd.edu for course-specific questions.

Music: General (MUSG)
MUSG-10 Music Fundamentals
3.0 units: 54.0 hours lec, .
This course is a study of music fundamentals, including principles and procedures of rhythm and pitch notation, musical symbols, scales, key signatures, intervals, diatonic chords. The course applies to musicians who have learned to play/sing without training in fundamentals and to beginners in music. This course is open to all students.

Online
52836 Class Starts on Tuesday, June 21, 2022
Simon, A Online
Comments: This 6-week class is held from 06/21/22 to
SUMMER 2022

07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: alexander.simon@mccd.edu for course-specific questions.

MUSG-14 American Popular Music History
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken ENGL-85A or ENGL-01A is advised.

This course presents an introduction to the history and literature of the popular music movement in the United States; it is a study of the relationships of popular music to the social history of America. Emphasis is on styles and personalities of folk, blues, jazz, musical theatre, country & western, and rock ‘n roll. This course is designed for the non-music major.

Online
52818 Class Starts on Tuesday, June 21, 2022
Wallace, E Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: emily.wallace@mccd.edu for course-specific questions.

72877 Class Starts on Tuesday, June 21, 2022
Gomes, K Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: kara.gomes@mccd.edu for course-specific questions.

Merced Campus
59020 Class Starts on Tuesday, June 21, 2022
MTWTh 10:15a-12:20p Taylor, K THTR-STG
Comments: This 6-week class is held from 06/21/22 to 07/28/22. This class meets in-person and may require online access.

NUTR-10 Nutrition
3.0 units: 54.0 hours lec.
This course presents an in-depth study of the essential nutrients and their functions, and the chemical composition of foods and their utilization in the body. It includes discussion on the nutritional values of foods, current topics in nutrition and nutritional needs throughout the life cycle. The relationship between diet and diseases will also be covered. Advisory: MATH-80

Online
32802 Class Starts on Tuesday, June 21, 2022
Cronk, L Online
Comments: This 7-week course is held 06/21/22 to 08/04/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: cronz.l@mccd.edu for course-specific questions.

PHIL-13 Critical Reasoning and Writing
3.0 units: 54.0 hours lec.
Prerequisite: *Required* Take ENGL-01A Minimum grade C,P.
This course offers instruction in argumentative and critical writing, critical thinking, research strategies, information literacy, and proper documentation. Readings feature mostly non-fictional essays and books that reflect diverse cultural and gender perspectives on a variety of contemporary political and social issues, especially those involving race, ethnicity, and gender. ENGL-13/PHIL-13 meets the IGETC critical thinking/composition requirement.

Online
22211 Class Starts on Tuesday, June 21, 2022
Zamora, J Online
Comments: This 6-week course is held from 06/20/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: jocias.zamora@mccd.edu for course-specific questions.

22215 Class Starts on Tuesday, June 21, 2022
Bachman, E Online
Comments: This 6-week course is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: erik.bachman@mccd.edu for course-specific questions.

22217 Class Starts on Tuesday, June 21, 2022
Epstein-Corbin, S Online
Comments: This 6-week course is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: sean.epstein-corbin@mccd.edu for course-specific questions.

72857 Class Starts on Tuesday, June 21, 2022
Flanagan, J Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: kevin.kludt@mccd.edu for course-specific questions.

72861 Class Starts on Tuesday, June 21, 2022
Kludt, K Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: kevin.kludt@mccd.edu for course-specific questions.

Merced Campus
21019 Class Starts on Tuesday, June 21, 2022
MTW 08:00a-10:50a Barnes, L IAC-122
Comments: This 6-week class is held from 06/21/22 to 07/28/22. This class meets in-person and may require online access.

21021 Class Starts on Tuesday, June 21, 2022
MTW 11:00a-01:50p Barnes, L IAC-142
Comments: This 6-week class is held from 06/21/22 to 07/28/22. This class meets in-person and may require online access.
PHYS-02A  General Physics I
4.0 units: 54.0 hours lec, 54.0 hours lab.
Prerequisite: *Required* Take PHYS-02A Minimum grade C,P; *Advised* Previously taken ENGL-01A is advised.

PHYS-02B is a continuation of PHYS-02A with emphasis on electricity, magnetism, radiation, relativity, atomic and nuclear processes, astrophysics, cosmology, and a look toward the future.

**Merced Campus**
12921  Class Starts on Tuesday, June 21, 2022
-  MtWhTu 10:15a-12:20p Pourtarvirdi, Z  SCI-106
Comments: IN-PERSON SESSIONS: Lab; Monday-Thursday; 10:15a-12:20p; SCI-106. Asynchronous portion: Held online using Canvas (no specific meeting dates/times).

**Physic (PHYS)**

PHYS-02A  General Physics I
4.0 units: 54.0 hours lec, 54.0 hours lab.
Prerequisite: *Required* Take PHYS-02 or MATH-02H; Minimum grade C,P; or Take MATH-25 and MATH-26; Minimum grade C,P; *Advised* Previously taken ENGL-01A is advised.

This course is intended for students other than physics and engineering majors. PHYS-02A is the first semester of a one-year physics course designed to develop major concepts and give an understanding of general principles of physics. This course will also try to relate physics to other areas of knowledge and discuss science in general, and physics specifically, as part of the concept of culture and time. The development of ideas will begin with those of Aristotle and terminate with present-day concepts of the atom and nucleus. PHYS-02A will emphasize the universe, motion, forces in nature, energy, fields, conservation laws, waves, sound, light, and thermal phenomena.

**Merced Campus**
12920  Class Starts on Tuesday, June 21, 2022
-  MtWhTu 08:00a-10:05a Pourtarvirdi, Z  SCI-106
Comments: IN-PERSON SESSIONS: Lab; Monday-Thursday; 08:00a-10:05a; SCI-106. Asynchronous portion: Held online using Canvas (no specific meeting dates/times).

**PSYC-01A  Introduction to Psychology**
3.0 units: 54.0 hours lec, .
Prerequisite: *Advised* Previously taken ENGL-01A is advised.

PSYC-01A is a survey course designed to provide an introduction to
the facts and theories underlying human behavior. Special emphasis is
given to the following topics: schools of psychology, physiological factors,
sensation, perception, motivation, learning, thinking, emotion, abnormal
behavior, personality, heredity, environment, and social factors.

Online  52826  Class Starts on Tuesday, June 21, 2022
          Bera, S  Online
Comments: This 6-week class is held from 06/21/22 to
          07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in
Canvas. There are no specific meeting times for this course.
Contact: stephan.bera@mccd.edu for course-specific ques-
tions.

52827  Class Starts on Tuesday, June 21, 2022
          Salazar, R  Online
Comments: This 6-week class is held from 06/21/22 to
          07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in
Canvas. There are no specific meeting times for this course.
Contact: rene.salazar@mccd.edu for course-specific questions.

52837  Class Starts on Tuesday, June 21, 2022
          Huddleston, A  Online
Comments: This 6-week class is held from 06/21/22 to
          07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in
Canvas. There are no specific meeting times for this course.
Contact: allen.huddleston@mccd.edu for course-specific ques-
tions.

52807  Class Starts on Tuesday, June 21, 2022
          Clifford, J  Online
Comments: This 3-week class is held from 06/21/22 to
          07/07/22. ASYNCHRONOUS ONLINE CLASS Held online in
Canvas. There are no specific meeting times for this course.
Contact: clifford.j@mccd.edu for course-specific questions.

72889  Class Starts on Tuesday, June 21, 2022
          Lemons, S  Online
Comments: This 6-week class is held from 06/21/22 to
          07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in
Canvas. There are no specific meeting times for this course.
Contact: stacy.lemons@mccd.edu for course-specific ques-
tions.

Merced Campus  59005  Class Starts on Tuesday, June 21, 2022
MTWTh  02:45p-04:50p  Forester, D  LESH-111
Comments: This 6-week class is held from 06/21/22 to
          07/28/22. This class meets in-person and may require online access.

PSYC-09  Human Development
3.0 units:  54.0 hours lec, .
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
This course is an introduction to the scientific study of human develop-
ment from conception through death. It examines the interplay of
biological, psychological, social, and cultural forces on the developing
human being.

Online  52839  Class Starts on Tuesday, June 21, 2022
          Huddleston, A  Online
Comments: This 6-week class is held from 06/21/22 to
          07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in
Canvas. There are no specific meeting times for this course.
Contact: allen.huddleston@mccd.edu for course-specific questions.

52834  Class Starts on Tuesday, June 21, 2022
          Adams, H  Online
Comments: This 6-week class is held from 06/21/22 to
          07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in
Canvas. There are no specific meeting times for this course.
Contact: heather.adams2213@mccd.edu for course-specific questions.

52074  Class Starts on Tuesday, June 21, 2022
          Bluett-Murp, V  Online
Comments: This 6-week class is held from 06/21/22 to
          07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in
Canvas. There are no specific meeting times for this course.
Contact: victoria.bluett-murp@mccd.edu for course-specific questions.

PSYC-22  Human Sexuality
3.0 units:  54.0 hours lec, .
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
This course explores the psychology of human sexuality. Psychological,
biological, and sociocultural research is presented concerning all aspects
of human sexuality in contemporary society. Specific topics include sex-
ual anatomy and physiology, gender, sexual orientations, contraception,
sexually transmitted infections, sexual dysfunction and sex for sale.

Online  52823  Class Starts on Tuesday, June 21, 2022
          Bernard, E  Online
Comments: This 6-week class is held from 06/21/22 to
          07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in
Canvas. There are no specific meeting times for this course.
Contact: emily.bernard@mccd.edu for course-specific ques-
tions.

52804  Class Starts on Tuesday, June 21, 2022
          Clifford, J  Online
Comments: This 3-week class is held from 06/21/22 to
          07/07/22. ASYNCHRONOUS ONLINE CLASS Held online in
Canvas. There are no specific meeting times for this course.
Contact: clifford.j@mccd.edu for course-specific questions.

PSYC-01B  Introduction to Psychological Research
Methods
3.0 units:  54.0 hours lec, .
Prerequisite: *Required* Take PSYC-01A or PSYC-01AH; Take
PSYC-05 or MATH-10. Minimum grade C,P;
*Advised* Previously taken ENGL-01A is advised.
This course reviews psychological methods of research. Attention will be
focused on foundations of experimental design, procedures and meth-
odology for collecting research data, and techniques used to analyze,
report, and present findings in APA format. Research design will also be
examined through a review of past psychological research and various
branches of modern Psychology.

Online  52838  Class Starts on Tuesday, June 21, 2022
          Bera, S  Online
Comments: This 6-week class is held from 06/21/22 to
          07/28/22. Open Educational Resources/Zero Textbook Cost:
All learning materials provided at no cost to students. ASYN-
CHRONOUS ONLINE CLASS Held online in Canvas. There
are no specific meeting times for this course. Contact: stephan.
bera@mccd.edu for course-specific questions.

PSYC-23  Personal and Social Adjustment
3.0 units:  54.0 hours lec, .
This course examines personality factors as they relate to the problems
of growth and adjustment. Concepts covered in the course are person-
ality development, the psychological bases of behavior, mental health, and
interpersonal relations. Stress is placed on the importance of applying
therapeutic principles and techniques in everyday life.
Sociology (SOC)
SOC-01 Introduction to Sociology
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
This course provides an introduction into what it means to be sociologically mindful and to think sociologically while understanding the difference from other ways of seeing the world. The course begins with the understanding of the differences between personal troubles and public issues, and how sociologist apply various theoretical perspectives to a wide range of issues, such as: culture; socialization; social structure of society; deviance; issues of feminization; family; gender; race; inequality; economics; politics and population; and the relationship between the individual and society. The course accents international comparisons to show how similar institutions are structures and function differently in different societies around the world.

**Online**
52829 Class Starts on Tuesday, June 21, 2022
Olson, K Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this class.
Contact: kurt.olson@mccd.edu for course-specific questions.

52830 Class Starts on Tuesday, June 21, 2022
Olson, K Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.
Contact: kurt.olson@mccd.edu for course-specific questions.

52842 Class Starts on Tuesday, June 21, 2022
Olson, K Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.
Contact: pierce.st@mccd.edu for course-specific questions.

52831 Class Starts on Tuesday, June 21, 2022
Shaw, M Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.
Contact: marcus.shaw@mccd.edu for course-specific questions.

52845 Class Starts on Tuesday, June 21, 2022
Maples, I Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.
Contact: inga.maples@mccd.edu for course-specific questions.

72893 Class Starts on Tuesday, June 21, 2022
Deeming, K Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.
Contact: karen.deeming@mccd.edu for course-specific questions.

Merced Campus
59006 Class Starts on Tuesday, June 21, 2022
MTWTh 10:15a-12:20p Pierce, T LESH-111
Comments: This 6-week class is held from 06/21/22 to 07/28/22. This class meets in-person and may require online access.

SOC-02 Contemporary Social Problems
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
SOC-02 introduces fundamental theories and methodologies employed in the study of contemporary social problems. An emphasis is placed on analysis of causes and possible solutions to such problems as poverty, discrimination, crime, delinquency, alcoholism, drug abuse, suicide, family, and politics. A global perspective focuses on the international influences and contributions to various contemporary social problems.

**Online**
52832 Class Starts on Tuesday, June 21, 2022
Shaw, M Online
Comments: This 6-week class is held from 06/21/22 to 07/28/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.
Contact: kurt.olson@mccd.edu for course-specific questions.

Spanish (SPAN)
SPAN-01 Elementary Spanish I
5.0 units: 90.0 hours lec.
This course will focus on the development of listening, speaking, reading, and writing in a cultural context, with primary emphasis on communicative competency. Students will learn how to express in Spanish the basic functions of everyday life. This course is not recommended for native speakers - native speakers should enroll in SPAN-10.

**Online**
22240 Class Starts on Tuesday, June 21, 2022
Estrada, A Online
Comments: ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.
Contact: alberto.estrad@mccd.edu for course-specific questions.

22242 Class Starts on Tuesday, June 21, 2022
Garcia Diaz, M Online
Comments: ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course.
Contact: maria.garcidiom@mccd.edu for course-specific questions.

Los Banos Campus
79536 Class Starts on Tuesday, June 21, 2022
MTWTh 11:45a-03:20p Cortes, S LB-B-112
Comments: This 6-week class is held from 06/21/22 to 07/28/22. This class meets in person and may require online access.

SPAN-03 Intermediate Spanish I
5.0 units: 90.0 hours lec.
Prerequisite: *Required* Take SPAN-02. Minimum grade C,P;
"Advised" Previously taken LRNR-30 is advised.
SPAN-03 is the continuation of SPAN-02 and SPAN-11. As well as introduces the student to the remaining major linguistic concepts of the language. Through varied readings, composition, and discussion, the student will increase his or her vocabulary and cultural knowledge.

**Online**
22244 Class Starts on Tuesday, June 21, 2022
Perez, C Online
Welding Technology (WELD)

WELD-07 Fundamentals of TIG & MIG Welding
3.0 units: 36.0 hours lec, 54.0 hours lab.
This course emphasizes the development of minimum skill standards in welding. The Gas Metal Arc Welding (GMAW)/(MIG), Gas Tungsten Arc Welding (GTAW)/(TIG) and Plasma Arc Cutting (PAC) processes are studied as prescribed in the American Welding Society (AWS) Training Qualification (QC 10) entry level standards.

Merced Campus
39004  Class Starts on Tuesday, June 28, 2022
TWTh  08:00a-10:10a  Russell, C  AG-10
TWTh  10:20a-01:40p  Russell, C  IT-6
Comments: This 5-week course is held 06/28/22 to 07/28/22. This class meets in person and may require online access. Contact: benjamin.scroggins@mccd.edu or chad.russell@mccd.edu for course-specific questions.

WELD-52 Advanced Pipe Welding and Fitting
2.0 units: 18.0 hours lec, 54.0 hours lab.
Prerequisite: *Required* Take WELD-51; Minimum grade C,P;
This course covers advanced welding processes and welding positions as well as covering advanced skills in pipe and tube fitting. This course covers advanced food processing and liquid/gas material handling industry topics.

Merced Campus
39003  Class Starts on Tuesday, June 28, 2022
TWTh  05:30p-06:30p  Russell, C  AG-10
TWTh  06:40p-10:00p  Russell, C  IT-6
Comments: This 5-week course is held 06/28/22 to 07/28/22. This class meets in person and may require online access. Contact: chad.russell@mccd.edu for course-specific questions.

Work Experience (WORK)

WORK-40 General Work Experience
1.0 units:
Prerequisite: *Advised* Previously taken ENGL-01A is advised.
This course will enable students to earn college credit for learning or improving skills or knowledge while working. Any type of work is suitable, either paid or volunteer. This course will allow students to sample an experience in a career field that is not related to the student's major. A student may not enroll in any more than 16 units of any cooperative work experience course at Merced College. Seventy-five hours of cooperative work experience (or 60 hours volunteer work) equals 1 unit of cooperative work experience credit.

Merced Campus
23001  Class Starts on Tuesday, June 21, 2022
Pimentel, M  Comments: This class has a required orientation. Please visit this link for a list of orientation dates: <A href=https://mag.mccd.edu/Work40Info>http://www.mccd.edu/academic/s/english-liberalstudies/coop-ed-work40-class.html</A>.

Comments: This class has a required orientation. Please visit this link for a list of orientation dates: <A href=https://mag.mccd.edu/Work40Info>http://www.mccd.edu/academic/s/english-liberalstudies/coop-ed-work40-class.html</A>.

Merced Campus
23002  Class Starts on Tuesday, June 21, 2022
Pimentel, M  Comments: This class has a required orientation. Please visit this link for a list of orientation dates: <A href=https://mag.mccd.edu/Work40Info>http://www.mccd.edu/academic/s/english-liberalstudies/coop-ed-work40-class.html</A>.

Merced Campus
23003  Class Starts on Tuesday, June 21, 2022
Pimentel, M  Comments: This class has a required orientation. Please visit this link for a list of orientation dates: <A href=https://mag.mccd.edu/Work40Info>http://www.mccd.edu/academic/s/english-liberalstudies/coop-ed-work40-class.html</A>.

Los Banos Campus
73091  Class Starts on Tuesday, June 21, 2022
Cates, K  Comments: This class has a required orientation. Please visit this link for a list of orientation dates: <A href=https://mag.mccd.edu/Work40Info>http://www.mccd.edu/academic/s/english-liberalstudies/coop-ed-work40-class.html</A>.

Merced Campus
23004  Class Starts on Tuesday, June 21, 2022
Pimentel, M  Comments: This class has a required orientation. Please visit this link for a list of orientation dates: <A href=https://mag.mccd.edu/Work40Info>http://www.mccd.edu/academic/s/english-liberalstudies/coop-ed-work40-class.html</A>.

Merced Campus
23005  Class Starts on Tuesday, June 21, 2022
Pimentel, M  Comments: This class has a required orientation. Please visit this link for a list of orientation dates: <A href=https://mag.mccd.edu/Work40Info>http://www.mccd.edu/academic/s/english-liberalstudies/coop-ed-work40-class.html</A>.

Los Banos Campus
73092  Class Starts on Tuesday, June 21, 2022
Cates, K  Comments: This class has a required orientation. Please visit this link for a list of orientation dates: <A href=https://mag.mccd.edu/Work40Info>http://www.mccd.edu/academic/s/english-liberalstudies/coop-ed-work40-class.html</A>.

Los Banos Campus
73093  Class Starts on Tuesday, June 21, 2022
Cates, K  Comments: This class has a required orientation. Please visit this link for a list of orientation dates: <A href=https://mag.mccd.edu/Work40Info>http://www.mccd.edu/academic/s/english-liberalstudies/coop-ed-work40-class.html</A>.
Comments: "This class has a required orientation. Please visit this link for a list of orientation dates: <A href=https://mag.mccd.edu/Work40Info>http://www.mccd.edu/academics/english-liberalstudies/coop-ed-work40-class.html</A>. Students registering for WORK 40 must have a paid or volunteer work position in place at the time of registration. This 3 unit course is designed for students who will work 180 volunteer or 225 paid hours during the semester. General Work Experience is for students whose work experiences and career goals do not align; occupational work experience is available for students working in a major related to their field of study. Please check each discipline for discipline-specific work experience options."

73094 Class Starts on Tuesday, June 21, 2022
- Cates, K

Comments: "This class has a required orientation. Please visit this link for a list of orientation dates: <A href=https://mag.mccd.edu/Work40Info>http://www.mccd.edu/academics/english-liberalstudies/coop-ed-work40-class.html</A>. Students registering for WORK 40 must have a paid or volunteer work position in place at the time of registration. This 4 unit course is designed for students who will work 240 volunteer or 300 paid hours during the semester. General Work Experience is for students whose work experiences and career goals do not align; occupational work experience is available for students working in a major related to their field of study. Please check each discipline for discipline-specific work experience options."
Astronomy (ASTR)

ASTR-01 Principles of Astronomy
3.0 units: 54.0 hours lec.
Prerequisite: “Advised” Previously taken ENGL-01A is advised. This is a basic course studying the principles of astronomy beginning with the solar system and continuing through the Milky Way Galaxy and the galaxies beyond. Throughout the course topics relating to the philosophy of science, history of astronomy, tools of the astronomer, and supporting topics of physics are introduced. The course is designed for students satisfying breadth requirements in science and having a general interest in astronomy.

Athletics (ATHL)

ATHL-02D Off-Season Conditioning for Football
1.0 units: 108.0 hours lab.
Limitation on Enrollment: This is a varsity team off-season conditioning course that requires coach's or academic advisor's signature. This course is designed to optimize sports performance and reduce risk of injury for the off-season intercollegiate athlete in the sport of football. Course content will include: sport specific skill development, sport specific strength training, cardiovascular conditioning, agility work, plyometrics, speed training, and flexibility exercises. This course is designed to prepare students for intercollegiate football competition and may be repeated to meet requirements for CCCAA eligibility.

ATHL-02F Off-Season Conditioning for Soccer
1.0 units: 54.0 hours lec.
Limitation on Enrollment: This is a varsity team off-season conditioning course that requires coach's or academic athletic advisor's signature. This course is designed to optimize sports performance and reduce risk of injury for the off-season intercollegiate athlete in the sport of soccer. Course content will include: sport specific skill development, sport specific strength training, cardiovascular conditioning, agility work, plyometrics, speed training, and flexibility exercises. This course is designed to prepare students for intercollegiate soccer competition and may be repeated to meet requirements for CCCAA eligibility.

ATHL-02G Off-Season Conditioning for Water Polo
1.0 units: 108.0 hours lab.
Limitation on Enrollment: This is a varsity team off-season conditioning course that requires coach's or academic advisor's signature. This course is designed to optimize sports performance and reduce risk of injury for the off-season intercollegiate athlete in the sport of water polo. Course content will include: sport specific skill development, sport specific strength training, cardiovascular conditioning, agility work, plyometrics, speed training, and flexibility exercises. This course is designed to prepare students for intercollegiate water polo competition and may be repeated to meet requirements for CCCAA eligibility. This course may be repeated 3 times.

College (COLL)

COLL-55 Making the Move: Transition to College
1.0 units: 18.0 hours lec.
This course is designed for new and reentry students who need additional instruction and compensatory strategies to learn to be successful within the traditional classroom.

Education - Non-Credit (EDU)

EDU-112C Skills Acquisition for Student Success - Allied Health
0.0 units: .
This course is designed to provide students the opportunity to improve and enhance their allied health skills through any number of training exercises that assist in the clinical development of and reinforcement of the practical allied health skills. The course is in a lab setting enriched with a resource library, manikins (for skills practice), and computer stations.

Open Educational Resources/Zero Textbook Cost: Courses with this icon have course materials that are free of charge and therefore not required to be purchased.
Course duration is 8-36 hours. Open Entry.

**Constitution**

3.0 units: 54.0 hours lec., Prerequisite: *Advised* Previously taken ENGL-01A is advised. This comprehensive course integrates the cultivation of skills, values, and attitudes indicative of confident, capable students/individuals with problem solving and critical/creative thinking. The course focuses on the following topics: life management, goal setting, career decision making, problem solving and critical/creative thinking. The course is 8 hours in duration.

**EDU-508 Mature Driver Improvement**

0.0 units: This course is designed primarily for drivers age 55 and older. Students receive classroom instruction on driving safety, road courtesy, improving driving performance, and safe driving techniques for emergencies. This course is 8 hours in duration.

**HIST-17A United States History and United States Constitution**

3.0 units: 54.0 hours lec., Prerequisite: *Advised* Previously taken ENGL-01A is advised. This is an extensive survey course of United States history from the period of exploration to the Reconstruction Period. The course covers the social, political, economic, and constitutional development of the nation. Course will emphasize the development of critical and historical thinking skills.

**HIST-17B United States History and California State and Local Government**

3.0 units: 54.0 hours lec., Prerequisite: *Advised* Previously taken ENGL-01A is advised. This course is a continuation of HIST-17A from the end of the Reconstruction Period in 1877 to the present. It examines national, state, and local history from the late 19th century to the present. The course covers the social, political, economic, and constitutional development of the nation.

**Kinesiology (KINE)**

**KINE-35 Flexibility and Cardiovascular Fitness**

2.0 units: 108.0 hours lab.

Limitation on Enrollment: Good general health; absence of medical conditions that would prevent planned physical activity. Practical applications of all aspects of flexibility and cardiovascular conditioning are presented and performed. A system of class presentation is used to insure a gradual, safe, and total physiological adaptation of the student to exercise. A gradual, progressive, safe, and eventually total body fitness experience is pursued. Geriatric fitness adaptations are emphasized.

**Mathematics (MATH)**

**MATH-10 Elementary Statistics**

3.0 units: 54.0 hours lec., Prerequisite: *Advised* Must have previously completed intermediate algebra or equivalent ----OR--- recommend taking this course concurrently with MATH-95S support. *Advised* Previously taken ENGL-01A is advised. This course covers descriptive statistics, including organization and presentation of data; elementary probability including permutations, combinations, binomial and normal distributions; inferential statistics, including random sampling, hypothesis testing, regression, and correlation and chi-square distribution.
MATH-15 Finite Mathematics
3.0 units: 54.0 hours lec.
Prerequisite: *Advised* Must have previously completed intermediate algebra or equivalent ---OR--- recommend taking this course concurrently with MATH-95F support.
*Advised* Previously taken ENGL-01A is advised.
This course covers algebra review, linear models, systems of linear equations, matrices, linear programming, mathematics of finance, set theory, and probability. This course includes applications to business, economics, psychology, and sociology.

Online
12822 Class Starts on Monday, July 11, 2022
Mitchell, P Online
Comments: This 4-week class is held from 07/11/22 to 08/04/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: patrick.mitchell@mccd.edu for course-specific questions.

Management (MGMT)

MGMT-50C Time Management
0.5 units: 9.0 hours lec.
This course is designed to introduce the student to time management principles and specific tools that assist in making maximum use of time. Emphasis will be placed on how to prioritize, identifying time wasters, and goal setting. Pass/No Pass only.

Online
92602 Class Starts on Thursday, July 21, 2022
Morse, J Online
Comments: This 2-week course is held 07/21/22 to 08/04/22. ASYNCHRONOUS ONLINE CLASS Held online in Canvas. There are no specific meeting times for this course. Contact: janice.morse@mccd.edu for course-specific questions.

Merced Off-Campus
97202 Class Starts on Thursday, July 21, 2022
Th 01:00p-05:15p Morse, J BRC-122
Comments: This 2-week course is held 07/21/22 and 07/28/22. This class meets in person and may require online access. Contact: janice.morse@mccd.edu for course-specific questions.
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