WHAT IS CEC?
As the premier magnet school in APS, the Career Enrichment Center provides opportunities for advanced, in-depth learning. Students from all Albuquerque high schools can choose unique courses from a variety of career areas, including Medicine, Engineering, Computer Technology, Languages, Trades and Business. CEC's distinctive programs attract a wide variety of students from all geographic areas and socioeconomic groups in Albuquerque. The blending of strong academic, career, and technical classes enhances the education of all our students. This course catalog is subject to change depending upon budget and enrollment.

Did you know?
- CEC classes count toward full-time enrollment at your home high school.
- CEC classes count toward athletic and academic eligibility.
- To meet graduation requirements all students must have at least one Dual Credit, AP/Honor, or online course.
- CEC has many Dual Enrollment Classes available to help you meet this requirement.
- Students may receive certification from Nursing, EMT, Autos, and several CNM courses offered at CEC.
- We offer specialty classes for Native American students from across the district.
- CEC classes are FREE and transportation is provided.

SUPPORT STAFF
Principal          Patrick Arguelles      arguelles@aps.edu
Assistant Principal Rebekah Floryance   floryance@aps.edu
Counselor          Lynn Ramsey          ramsey_l@aps.edu
Nursing Director   Connie Baker        baker_c@aps.edu
Planetarium Director Cindy Riedel       riedel@aps.edu
CEC TIMES/SESSIONS SCHEDULE

**Session IA- periods 1 & 2**
7:30-8:50 Monday and
7:30-9:50 Tuesday and Thursday
or
**Session IB- periods 1 & 2**
7:30-9:50 Tuesday and Thursday
or
**Session IC- periods 1 & 3**
7:30-9:50 Wednesday and Friday

**Session II- periods 6 & 7**
12:20-1:50 Monday-Friday

**Session III- period 6 OR 7**
2:00-5:30 Monday and Wednesday
or
2:00-5:30 Tuesday and Thursday

CEC CALENDAR
CEC follows the traditional APS Calendar. We begin school on the same date that the comprehensive high schools begin school and have the same days off. We end the semester one week before comprehensive high schools, so our finals do not conflict with those at the students’ home schools. **If school is delayed or cancelled due to inclement weather, there will be NO CEC classes because there is NO BUS TRANSPORTATION for CEC on delayed or cancelled days.**

TRANSPORTATION
All Albuquerque Public Schools students are provided with free bus transportation from their neighborhood high schools, to and from, CEC. Bus schedules are available at cec.aps.edu before school starts.

SELECTION PROCESS
Students who are interested in taking a CEC class should complete the application on the CEC website at cec.aps.edu. CEC will review applications to ensure students meet prerequisites and recommendations. Students will be notified by mid-April of their selection to CEC. A completed application must be submitted to CEC prior to the application deadline, **FRIDAY, MARCH 15, 2019.**

DROP POLICY
Students who want to drop a CEC class MUST get a drop form signed by both parents and home school counselor. Students who drop a class at CEC after the 1st 6 week grading period will receive a W/F on their high school transcript.
CEC POLICIES

GRADING POLICIES
Report cards with progress grades are issued every six (6) weeks through the home high school. A semester consists of three (3) 6-week grading periods. Semester grades are posted on a student's permanent record (transcript). The final examination may count for no more than 20% of the final semester grade. Grading scale:

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<tr>
<th>PERCENTAGE</th>
<th>LETTER GRADE</th>
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<tbody>
<tr>
<td>90% - 100%</td>
<td>A</td>
</tr>
<tr>
<td>80% - 89%</td>
<td>B</td>
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<td>70% - 79%</td>
<td>C</td>
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<tr>
<td>60% - 69%</td>
<td>D</td>
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<tr>
<td>0% - 59%</td>
<td>F</td>
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</table>

Credit is granted for successful completion of each class at the end of the semester. Credits are granted with passing grades: A, B, C, or D. Credit is not granted for grades of F, I (Incomplete), N (No credit) or W/F (withdrawal with the grade of F). Course work must be completed by the end of the semester following the semester in which the I (Incomplete) is posted. If a grade is not assigned for the Incomplete within the next semester, a grade of F will be assigned. If a course is repeated, the higher grade will be recorded and computed in the student's grade point average (GPA). Nevertheless, the F remains on the transcript. Duplicate credit will not be granted for a course that is repeated. Students who withdraw from a course after ten days will receive a W/F on their transcript. Please note: CNM and UNM grades will be posted at the end of the semester as six-weeks grades are not issued. We do NOT have access to grades at CNM or UNM until posted on the transcript. **THE NURSING PROGRAM USES AN ALTERNATIVE GRADING SCALE PER NATIONAL ACCREDITATION.**

TRANSCRIPTS
Transcripts are not issued through CEC. Transcripts can be requested from the home high school and will reflect the CEC final grades for each course taken.

TEXTBOOKS
All textbooks are issued through the classroom teacher. A current student identification card (ID) is required for check out of textbooks. Textbooks are the property of the State of New Mexico and are loaned to students with the expectation that they will be used appropriately, treated with care, and returned in good condition. Charges will be assessed for lost or damaged books. All textbooks must be returned to the classroom teacher prior to the end of the school year. Students who do not return textbooks will be assessed a fee.

ACADEMIC DISHONESTY
Each student is expected to maintain the highest standards of honesty and integrity in academic and professional matters. CEC reserves the right to take disciplinary action, up to and including dismissal, against any student who is found guilty of academic dishonesty or otherwise fails to meet the standards. Any student judged to have engaged in academic dishonesty in course work may receive a reduced or failing grade for the work in question and/or for the course. Academic dishonesty includes, but is not limited to, dishonesty in quizzes, tests, or assignments; claiming credit for work not done or work done by others; hindering the academic work of other students.

CEC DUAL CREDIT CLASSES*
Students who graduate from New Mexico must take one unit of Advanced Placement, Honors, DUAL CREDIT, or Distance Learning. CEC offers a variety of courses which help students meet this requirement. Below is a *sampling* of courses that *may be* offered next year to meet this Dual Credit requirement.

Our Dual Credit Program provides QUALIFIED high school sophomores, juniors, and seniors the opportunity to earn college credit while simultaneously earning elective high school credit. Students should not assume that if they are enrolled in a CEC course which offers dual credit that they automatically have been accepted into the post-secondary institution. Students are responsible for completing the steps necessary to enroll in CNM or UNM in order to receive dual credit. CEC teachers and the counselor will assist with this process, but CANNOT ENROLL STUDENTS in the post-secondary institutions.

CNM allows QUALIFIED sophomores, juniors and seniors to enroll in courses while UNM offers only QUALIFIED juniors and seniors this opportunity. Classes are tuition-free and APS pays for required textbooks (which MUST be returned to the high school bookroom upon completion of the course). **NOT ALL CEC, CNM, OR UNM COURSES QUALIFY AS DUAL CREDIT COURSES.** (See chart on next page)
Complete CNM ADMISSIONS
1. Go to [www.cnm.edu/dualcredit](http://www.cnm.edu/dualcredit)
2. Click on “Apply as a Dual Credit Student”
3. In the “Create Login ID” box- enter your APS id#
4. In the “Create a PIN” box enter birth date (MMDDYY)
5. Click login
6. Click Application Type- Be sure to drop down to “Dual Credit”
7. Click continue
8. Put in Admissions Term (the term you plan to start to take classes)
9. Fill out application-have your social security # (if you do not have a SSN use 555-55-5555)
10. Click name first and then continue on to all screens
11. When inputed all info- Click on “Application is Complete”
12. Forms and a Signature page will print (and a blank is attached)
13. Write down assigned CNM ID# from form- this will be your CNM id# for as long as you take classes at CNM
14. Write down your CNM username (or take a picture)
15. Signature page (attached) to be signed by parents and student (the STARS id# is your APS id#)
16. Forms must be faxed or emailed to the CNM Enrollment Services office to be processed within 5 days. Fax: 224-3237 or email: admissions@cnm.edu

CNM Course Title | CNM Credit | CEC Class
---|---|---
Intro to Automotive Systems | 4 | Autos- 1st Session Sem 1
Suspension and Alignment | 4 | Autos- 2nd session Sem 1
Automotive Electrical | 4 | Autos- 3rd session Sem 2
Financial Services Career Exploration | 3 | Banking and Finance Sem 1 or 2
Cooperative Education | 3 | Banking and Finance- Sem 2
Beginning French I | 4 | French II- Sem 2
Beginning French II | 4 | French III- Sem 1
Intermediate French I | 4 | French IV- Sem 2
Beginning Spanish I | 4 | Spanish I- Sem 1
Beginning Spanish II | 4 | Spanish II-Sem 2

UNM Course Title | UNM Credit | CEC Class
---|---|---
Chinese 101 | 3 | Chinese I- Sem 2
Chinese 102 | 3 | Chinese II- Sem 2
Chinese 201 | 3 | Chinese III- Sem 2
Chinese 202 | 3 | Chinese IV- Sem 2
Chinese 301 | 3 | Chinese V, AP - Sem 2
Chinese 302 | 3 | Chinese VI, AP- Sem 2
EMS Lecture | 8 | EMS- Sem 2
EMT Lab | 2 | EMS- Sem 2
Intro to Native Studies NATV150 | 3 | Native Studies 1- Sem 1
Sociopolitical Concepts in Native America NATV250 | 3 | Native Studies 2- Sem 2
Comp Programming Fundamentals 152L | 3 | Comp Science/Programming

IAIA Course | IAIA Credit | IAIA Credit
---|---|---
Navajo 101 | 3 | Navajo I
Navajo 102 | 3 | Navajo II
Zuni 101 | 3 | Zuni I
Zuni 102 | 3 | Zuni II

CREATE myCNM ACCOUNT
1. Go to [www.cnm.edu](http://www.cnm.edu)
2. Click on “my CNM” (top left tab)
3. Click on reset password from box
4. Put in username and follow prompts to create a password
5. Call 224-4357 if you are having problems with your myCNM account (student accounts become inactive if you have skipped a term of taking classes)
**Complete ONLINE ORIENTATION**
1. Go to myCNM account and login with username and password
2. Click on Registration tab
3. Click Online Orientation
4. You will be asked to enter your name, date of birth, and CNM ID#
5. Complete the orientation and pass the quiz

**Take ACCUPLACER ASSESSMENT**
The ACCUPLACER Assessment can be taken at Assessment Services on Main (224-3243), Westside, or Montoya campuses. No appointment is needed, but you will need your CNM ID# and a photo id. Takes about 1-2 hours. *Students who took the ACCUPLACER before being admitted into CNM, or under a non-CNMI ID#, will need to bring a copy of their scores, and a photo ID, to the testing center at CNM to have scores saved under new CNM ID# once admitted. Students can also use ACT/SAT scores by bringing a copy, their CNM id#, and a photo id to one of the Assessment Centers.*

**Find classes**
1. Your ACCUPLACER scores will determine what classes you are eligible to take
2. Go to [www.cnm.edu](http://www.cnm.edu) and click under Student Resources bar- click “Schedule of Classes”
3. Scroll through course offerings by department
4. Find the CRN# for the course you want to take
5. Meet with a CNM academic Advisor if you need help choosing or knowing what you are eligible to take- make an appointment at 224-4321

**Register for Classes**
1. Login to myCNM account
2. Go to top tab labeled “Registration/Grades”
3. Click on “Register Here (add/drop classes)”
4. Click on add/drop class
5. Select a term and submit
6. Enter course number and “submit changes”- should tell you if you are added to class (can drop a class here as well if before the drop date)
7. Go back to the “Registration/Grades” tab in MY CNM and click on Current Schedule to print a copy of your schedule

**Getting Textbooks**
1. Do not go to the CNM Bookstores to pick up your dual credit textbooks or your high school bookroom to pick up your dual credit textbooks.
2. Textbooks will be available within a week of when you register.
3. Pick up textbooks at the APS Library Service at 912 Oak Street SE, Building M-Room142. Hours 12-4pm M-F
4. Contact your textbook representative before you go to the Dual Credit Bookroom to make sure they are ready to pick up. **CNM: 848-889**

**UNM DUAL ENROLLMENT- 11th and 12th graders ONLY**

**Apply to UNM**
1. Download the application at [https://www.unm.edu/apply/applications/UNM_undergraduate_application.pdf](https://www.unm.edu/apply/applications/UNM_undergraduate_application.pdf)
2. Get signed by parents, counselor, and school administrator

**Other Forms**
1. Get an official transcript from your school’s registrar
2. Get a copy of your ACT/SAT scores
3. Complete and get signed the state Dual request form
   http://www.unm.edu/~ucac/dualcredit/REQUEST%20FORM.DUAL%20CREDIT.102612.pdf
4. Complete and sign the Student Release Proxy Form [https://registrar.unm.edu/forms/Proxy.pdf](https://registrar.unm.edu/forms/Proxy.pdf)

**Bring forms to UNM Dual Credit Office**
1. Bring application and forms to Student Services Center in Room 105 to be processed and choose courses
2. Contact is DeeDee Hatch-Sanders at 277-7204

**Get Textbooks**
1. Do not go to the UNM Bookstores to pick up your dual credit textbooks or your high school bookroom to pick up your dual credit textbooks.
2. Textbooks will be available within a week of when you register.
3. Pick up textbooks at the APS Library Services 912 Oak Street SE Building M Room 142. Hours 12-4pm.
4. Contact your textbook representative before you go to the Dual Credit Bookroom to make sure they are ready to pick up. **UNM: 848-8897**
*DUAL CREDIT REMINDERS*

- Dual Enrollment credit is not guaranteed.

- Students MUST meet the pre-recs for any specific course AND complete the registration process through that dual credit institution.

- Per FERPA (Family Education Rights and Privacy Act), Colleges/Universities and DC Instructors will NOT discuss grades, student progress, transcripts, financial aid, disciplinary information, etc., with parents without a signed release by the student.

- All DC students must be registered in classes prior to the start of the term which the classes are scheduled.

- It is the student’s responsibility to ensure that they are registered for a DC course.

- It is the student’s responsibility to adhere to any deadlines for dropping or adding a class through the dual credit institution.

- It is the student’s responsibility to notify the DC Instructor and contact the Disability Resource Center of the institution if they have a 504 Plan and/or an IEP.

- Any grade earned in a DC class will reflect on BOTH the high school and college transcript— even if the grade is an F, W, or I.

- DC can affect future eligibility for Financial Aid and Scholarships.

- Every 3 credits at CNM/UNM = 1.0 elective credits in high school. Students cannot take Fitness classes free of charge for high school credit. High school students can only take classes that are level 1,000 or higher and classes that are on the state PED DC Approved Course Appendix (not remedial).

- Classes are FREE and APS students can check out books from APS Library Services - FREE of charge. Those books must be returned to the district office upon completion of the course.

- Any additional fees are the responsibility of the student.

- DC classes will post to high school transcripts at the end of each term. This may/may not occur before high school graduation dates and should therefore, not be anticipated or expected for high school graduation purposes the last semester before graduation.
BUSINESS TECHNOLOGY AND WORLD RELATIONS

BANKING AND FINANCIAL SERVICES CAREER EXPLORATION-CN M
RUNNING START FOR CAREERS

Grades: 11-12
Recommended: 2.0 cumulative GPA; 1 year of Math; English 10 with a “C”; keyboarding skills.
CNM Dual Credit may be available* FIN 1005: Financial Services Career Exploration (3 CNM credits)*
BA 2095: Cooperative Education (3 CNM credits)*

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<th>Session</th>
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<th>Times</th>
<th>Course Length</th>
<th>Credit Information*</th>
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</table>
| Session 2 | M & W OR T & TH | 12:30-1:50pm (6th or 7th period only) **co-op TBD | 1 Year | FIN 1005 and BA 2095 will be offered both semesters
Students who take FIN 1005 in the spring sem can apply for an internship for the following fall
.5 Econ Credit (APS) + 3 CNM credit hours for FIN 1005= 1.5 APS credits in fall or spring semester
**CNM Cooperative Education and Internship is available to a select number of students depending on internship availability. Students work a minimum of 135 hours in an internship setting. (= 3 CNM credit hours)

*Dual Enrollment credit is not guaranteed. Students MUST meet the pre-recs for any specific course AND complete the registration process through the dual credit institution. All DC students must be registered in classes prior to the start of the term which the classes are scheduled. See page 5 in the book for instructions on how to enroll at CNM. Students MUST come to CEC at the start of the school year already with a CNM id#. CEC instructors and the CEC counselor will assist students in enrolling in the CNM course in the first few days of class at CEC, but it is the student's ultimate responsibility to be sure that they are registered for the CNM course and adhere to any deadlines for dropping or adding a class through the dual credit institution.

Do you want to learn how to make money? Learn entrepreneurial skills? In this class you will learn the Principals of Banking and Finance, along with contemporary issues and developments in the industry today:

- Employability skills and work ethics
- Investment strategies
- Economics
- Customer service career skills
- Financial service career techniques

“You learn how to handle money and invest it.”
Marisela, WMHS

Economics is a semester course with an emphasis on the allocation of scarce resources and the economic reasoning used by government agencies and by people in various economic roles. The student examines topics such as scarcity, supply and demand, market structures, the role of government, money, the role of financial institutions, and international trade. Students will earn their required APS Economics credit upon successful completion of the class.

**Students will compete for paid student internship positions that will take place the semester after FIN 1005. The numbers of student internship positions vary from year to year and are contingent on how many positions are available through our business partners.
BUSINESS LAW

Grade: 11-12
Recommended: 2.0 cumulative GPA

Did you know Government and Economics take turns ruling each other?
Have you wondered how the Constitution affects you?
- Governmental influence to meet economic goals
- Economics systems that affect resources, public policy and taxation
- Laws of demand, supply, quotas, exports and imports
- Government regulations to impact business competition and its effect on consumers
- Emerging legal and ethical issues

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<tr>
<td>Session 2</td>
<td>M-F</td>
<td>12:30-1:50pm</td>
<td>Fall Sem ONLY</td>
<td>.5 Economics plus .5 Government credit OR 1.0 elective credit (APS)</td>
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</table>

Business Law explores the relationship between government and economics. This relationship is studied through both the lens of law and of business. Concepts studied are: economic systems that affect resources; public policy; taxation; governmental influence to meet economic goals; laws of demand, supply, quotas, exports, and imports; governmental regulations that impact business competition and its effect on consumers; and emerging legal and ethical issues. Reading, writing, speaking, listening, and research strategies are integrated throughout the course.

ETHNIC STUDIES

Ethnic Studies explores the social, political, and cultural experiences of ethnicities, genders, classes and/or ability groups. As it impacts self-identity, the student will engage in self-discovery while gathering an understanding of the multi-faceted world around them.

Topics of Study: Race and Ethnicity, Prejudice and Discrimination, Immigration, Ethnicity and Religion, Native Americans, African Americans, Latin X Americans, Muslim and Arab American, Asian Americans, Jewish Americans, Women, Excluded Groups, etc.

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<td>Session 2</td>
<td>M-F</td>
<td>12:30-1:50pm</td>
<td>Spring Sem only</td>
<td>1.0 elective credit</td>
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MIDDLE EASTERN STUDIES through Film

This is an opportunity to reach across the divide and appreciate the diversity of human cultures and perspectives. Full-length foreign language films from the Middle East will introduce students to select countries, key historical events both past and present, and current issues around culture, religion, and politics. The films will guide the course, accompanied by supplemental readings, lectures, discussions, student presentations and a research paper, and will require critical thinking, openness, and empathy.

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<td>Fall Sem only</td>
<td>1.0 elective credit</td>
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ECONOMICS AND GOVERNMENT ONLINE

Grade: 12 only

Prerequisites: Must be enrolled in another year long CEC class; students must have access to high-speed Internet.

Requirement: Meets online graduation requirement. Students must attend an orientation at the beginning of each semester. Students will be required to meet with the instructor at times also.

This course has been approved by NCAA for eligibility.

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<th>Session</th>
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<tr>
<td>Online</td>
<td>Fall</td>
<td>.5 Economics (APS)</td>
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<td>Online</td>
<td>Spring</td>
<td>.5 Government (APS)</td>
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Designed to free up a class in your home school schedule and enable you to enroll in a CEC class. This course offers both Economics and Government credit and meets the APS graduation requirement and state content standards. Canvas is the online educational program used to deliver the course content and is facilitated by a CEC instructor. Students are expected to complete weekly assignments and tests throughout the year according to timelines. Instructor’s deadlines must be met.

**Economics** is a semester course with an emphasis on the allocation of scarce resources and the economic reasoning used by government agencies and by people in various economic roles. The student examines topics such as scarcity, supply and demand, market structures, the role of government, money, the role of financial institutions, and international trade.

**Government** is a required course that provides the student with a framework for understanding the purposes, principles, and practices of American government as established by the United States Constitution. The student analyzes the history and changing interpretations of the Constitution, the Bill of Rights, and the current state of the legislative, executive, and judiciary branches of government. In addition, he/she examines his/her rights and responsibilities as a citizen and how to exercise them as well as experience the political process at local, state, and national levels of governments.

ACADEMIC CAREER EXPERIENCE

Through **ACE** work experience, the student explores personal and career interests, aptitudes and abilities. Time management and ability to communicate effectively in an adult environment/workplace. The necessary components of a productive and successful career are examined: technical knowledge, responsible and ethical behavior, and goal setting. Skills and knowledge acquired in this course can be applied to all of the career clusters and their respective pathways.

**GENERAL INTERNSHIP OPPORTUNITY (ACE)**

Grades: 11-12

Prerequisites: 3.0 cumulative GPA, application, resume, references, transportation to the internship site, and access to a computer with Internet.

Requirements: Students are responsible for finding their own internship prior to the first day of class.

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<th>Days</th>
<th>Course Length</th>
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<tr>
<td>TBD*</td>
<td>Full Year</td>
<td>90 hours = .5 credit , 180 hours= 1.0 credit, and 270 hours= 1.5 credits</td>
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Would you like a first-hand experience to determine if the career you are considering is the one you will enjoy? Do you have a placement but want to earn credit? Then, this class may be the one for you!

- Students work 5-15 hours per week in the field of their choice
- One-to-one learning opportunity
- Career Exploration with an *unpaid* work experience
- The course combines both face-to-face classroom instruction scheduled periodically throughout the semester, as well as the internship component which averages 5 hours per week for .5 credit
ALBUQUERQUE POLICE DEPARTMENT (APD)
POLICE SERVICE AIDE PROGRAM

APPLICATION REQUIREMENTS:

- Must be a junior or senior
- Must be at least 17 years old and on track to graduate
- Meets T/TH 2-5:30pm- Session 3

The Career Enrichment Center has formed a partnership with the Albuquerque Police Department, which allows students to undergo Police Service Aide (PSA) training while still in high school. Once accepted, students will be expected to participate fully in all aspects of training, both physical and academic. Good attendance is mandatory. This program is targeted to individuals seriously interested in learning about what it takes to be a law enforcement officer. The program will provide each student with the classroom knowledge and practical skills necessary to perform the duties of a PSA. Areas of study include: the criminal justice system, general law, patrol, and traffic investigations. Additionally, students will participate in a physical fitness/tactical training program, and will experience at least one actual ride-along with an APD officer on patrol. Students will receive hands-on experience in traffic control, report writing, and role-playing activities similar to those used to train cadets in the Albuquerque Police Academy.

The two-semester class will meet at the CEC on Tuesdays and Thursdays from 2:00pm – 5:30pm and will be taught by APD officers who are Police Academy certified instructors. Upon successful completion of the program, students will be recommended for the PSA selection process. **Students will earn 1.0 elective (ACE) credit for each semester in the program. Class starts 2 weeks after APS classes begin.**

PSA responsibilities consist of enforcing parking laws, investigating misdemeanor offenses, and assisting officers on patrol with traffic accidents. PSAs patrol their assigned area commands in marked city vehicles equipped with emergency equipment and police radios.

Contact Person:
Lynn C. Ramsey, MA, LMHC
Counselor
Career Enrichment Center
ramsey_l@aps.edu
247-3658 x45595
ALLIED HEALTH SCIENCES
PRACTICAL NURSING PROGRAM

A TWO-YEAR PROGRAM – 5 Semesters

Junior Year –
- Fall semester – Nursing Science 1 – Principles of Nursing Science
  - Didactic, nursing labs, simulations
- Anatomy and Physiology didactic on-line hybrid course
  - Tests and quizzes and review of content in class – 2-3 hours/week
- Spring Semester Nursing Science 2 – Medical Surgical patients, assessments, therapeutic communication, patient teaching, beginning pharmacology
  - Didactic, clinical experiences with medical surgical patients, labs, simulations
  - Nutrition on line hybrid course

Summer Seniors – Nursing Science 3 – between 11th and 12th grade
- Pharmacology Theory
- Medical Surgical clinical experiences, basic care with medication administration
  - Didactic, clinical with medical surgical patients, simulations

Senior Year-
- Fall semester – Nursing Science 4 – medical surgical nursing and specialty care across the life span
  - Didactic, clinical nursing care, medication administration, simulations, research projects
- Spring Semester – Nursing Science 5 – maternal child, pediatric care, leadership and management
  - Didactic, maternal child clinical, pediatric patient clinical, team leading and medication nurse, simulations.

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</table>

For Senior Students – if possible do not take a 4th period class at your comprehensive high school. This allows you to spend more time in clinical on Tuesdays.
APPLYING TO THE CEC PN PROGRAM

Application Requirements:

- Complete CEC PN application and submit by **March 15, 2019**
- Successfully complete pre-entrance tests
  - Reading, Vocabulary and Basic Mathematics
  - Testing will be done at CEC on **April 6, 2019**
- Provide **three** reference letters from Math, English and Science teachers
  - Download reference letter forms from cec.aps.edu
  - Reference letters due **no later than April 19, 2019**
- Attend interview sessions with nursing faculty
  - Interviews at CEC on **April 20, 2019**
- Write a letter of intent during the interview session

Prerequisites:

- Must attend a comprehensive APS High School, APS School of Choice, or an APS Charter School
- 3.0 cumulative GPA
- Must be 16 years old by September 1, 2018
- Must be capable of performing Essential Functions (see web site for information)
- Must have two (2) semesters of Biology with a minimum of a “B” each semester
- Must have two (2) years of Mathematics with a minimum of “B” each year

Additional Information:

Once accepted into the program, the student will be expected to obtain:

- Access to internet
- Access to a printer with ink and paper
- Electronic reader/lap top
- Reliable transportation to clinical sites
- Uniforms/nursing shoes
- Medical release to perform Essential Functions
- Annual TB test
- Annual influenza vaccine
- Up to date immunizations
- CPR certification – basic life support for healthcare providers
- $150.00 lab fee due at the beginning of the first semester to cover the cost of ATI on-line preparation for nursing course work
- $50.00 lab fee due at the beginning of each subsequent semester ($200.00 total)
- Purchase of a Resource Book for Medication Administration
- To participate in the clinical portion of the course students will be drug tested and clinical settings may require documentation such as Social Security number and proof of citizenship.
Important dates:

- Deadline for CEC/ PN Applications: March 15, 2019
- Reference letters due by April 19, 2019
  - Please use approved reference forms
  - Download reference form from cec.aps.edu click Nursing Tab
- Acceptance Letters sent by May 17, 2019
- Mandatory Parent Meetings scheduled in June.

Please provide valid phone numbers, postal and email addresses.

For further information, please contact Program Director or Admissions Coordinator:

Connie A Baker  
MSN  
RN  
Program Director  
505-247-3658 ext. 45517  
baker_c@aps.edu

Pat Kious, BSN RN  
Admissions Coordinator  
505 247-3658 ext. 45436  
kious@aps.edu

Program is nationally accredited by:

Accrediting Commission for Education in Nursing (ACEN)  
3343 Peachtree Road NE, Suite 850 | Atlanta, GA 30326  
(404) 975-5000  
www.acenursing.org

Program is approved by:  
New Mexico Board of Nursing  
6301 Indian School NE  
Albuquerque, NM  87110  
www.bon.state.nm.us

Counselors: Please do not enroll students, unless they have been accepted

Please use the PN Program application form found on the website-  
DO NOT use the general CEC application form.  

cec.aps.edu - Click on Nursing Tab
**EMERGENCY MEDICAL TECHNICIAN (EMT)**

**Grades:** 12

**REQUIRED:** All applicants MUST submit a Letter of Interest emailed to ramsey_l@aps.edu no later than March 15th, 2019.

**Prerequisites:**
- 3.0 cumulative GPA recommended
- Two years of a laboratory science with a grade of C or better
- Must be 18 years of age by May 2020

**Requirements:** In addition to coursework, students will be required to complete 13 hours of clinical experience working with certified EMTs.

**Other Information:** Upon successful completion of this course and prior to employment you must pass the National Registry of Emergency Medical Technicians (NREMT) certification exam. The individual will then apply for a New Mexico Emergency Medical Technician - Basic license. *This class may fulfill the graduation requirement for a Dual Credit class if UNM/CNM continues supporting this program, but it is NOT guaranteed and students must meet requirements to be eligible to apply for UNM/CNM credit by the 2nd semester of the class. Students who do not have a social security # may not be able to test for licensure.*

National Registry of EMT’s website: [http://www.nremt.org](http://www.nremt.org)
New Mexico EMA Bureau Website: [http://nmems.org](http://nmems.org)

<table>
<thead>
<tr>
<th>Session</th>
<th>Days</th>
<th>Times</th>
<th>Course Length</th>
<th>Credit Information</th>
</tr>
</thead>
</table>
| Session 1 | M, T, TH | M 7:30-8:50 and T, TH 7:30-9:50am | Full Year     | Semester 1: 1.0 elective credit  
Semester 2: 10 UNM college credits (3 APS) OR 1.5 APS elective credits |
| Session 2 | M-TH     | 12:30-1:50pm                 | Full Year     | Semester 1: 1.0 elective credit  
Semester 2: 10 UNM college credits (3 APS) OR 1.5 APS elective credits |
| Session 3 | T & TH   | 2:00-5:30pm                  | Full Year     | Semester 1: 1.0 elective credit  
Semester 2: 10 CNM college credits (3 APS) OR 1.5 APS elective credits |

**CEC EMT FEE SCHEDULE**

<table>
<thead>
<tr>
<th>REQUIRED CLASS FEES:</th>
<th>Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fee for UNM - EMS Academy EMT Coursework (this is a department administration fee not a UNM admissions fee). *Students may be enrolled in UNM and will receive 10 college credits EMS 113 (8 Credits – Lecture) and EMS 142 (2 Credits – Lab) applicable towards a Bachelor Degree in EMS at the University of New Mexico. New Mexico licensure is required for degree admissions.</td>
<td>+ $35.00</td>
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</tr>
<tr>
<td>Fee for Needle Stick Insurance per semester mandated by the University of New Mexico, School of Medicine for students is all Health Sciences Programs</td>
<td>+ $35.00</td>
<td></td>
</tr>
</tbody>
</table>
It inspires you for medical school and a career.” Amber, LCHS

Do you want to pursue a career in medicine or medical research?
- Cardiology
- Medical case studies
- Pathogenesis of Disease
- Intensive cat dissection

**MEDICAL PHYSICS (PRE-MEDICAL SCIENCE)**

**Grades:** 11-12  
**Prerequisites:** One year regular Biology with a B and one year of Chemistry; 3.0 GPA recommended

**REQUIRED:** A Letter of Recommendation from a math or science teacher must be emailed to joe.baker@aps.edu by March 15, 2019

Medical Physics is designed as an advanced lab science course to prepare college-bound students for a career in medicine. The student leaves the course with a strong background in cardiology, anatomy, histology, biochemistry, physiology, and experimental design and presentation. The student diagnoses, treats, and understands disease processes using case studies of real patients throughout the entire year. When possible, a field trip to the UNM medical school cadaver lab culminates a lab unit on the internal organs. Reading, writing, speaking, and research strategies are integrated throughout the course.

### Session Days Times Course Length Credit Information

<table>
<thead>
<tr>
<th>Session</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Session 1</td>
<td>M, T, TH</td>
<td>M 7:30-8:50 and T, TH 7:30-9:50am</td>
<td>Full Year</td>
<td>1.0 Elective sem 1 AND 1.0 Strand C Science credit Sem 2</td>
</tr>
<tr>
<td>Session 2</td>
<td>M-F</td>
<td>12:30-1:50pm</td>
<td>Full Year</td>
<td>1.0 Elective sem 1 AND 1.0 Strand C Science credit Sem 2</td>
</tr>
</tbody>
</table>

*Students will earn .5 Strand C credit each semester and MUST remain in the class for the entire year to complete 1.0 credit of Strand C Science credit.*
NURSING ASSISTANT

Would you like to enter the health care job market? Nursing Assistants are vital members of the health care team and are in high demand.

Grades: 12
Lab fee: $40.00 plus cost of CPR course

Prerequisites:
- 2.5 cumulative GPA
- MUST be a SENIOR next year
- 1 year of Biology with minimum of C grade for each semester
- Letter of interest must be emailed to whitney_k@aps.edu by March 15, 2019

Deadline: ALL APPLICATIONS AND LETTERS OF INTEREST ARE DUE BY MARCH 15, 2019.

This course includes:
- Nursing Assistant skills
- Basic Anatomy and Physiology and infection control
- Emphasis on communication, professionalism and compassion
- Preparation for state Nursing Assistant Certification exam

Additional Information:
- Uniform and watch required for labs and clinical.
- The course also has a clinical component which includes off-site patient care. The student must have the following before entering into the clinical setting:
  - Reliable transportation to clinical site
  - Medical release that student is able to perform Essential Functions
  - Negative TB test
  - Updated immunizations including the influenza vaccine.
  - CPR Certification
- To participate in the clinical portion of the course, clinical settings may require documentation such as Social Security Number and proof of citizenship.
- Students are required to successfully complete two semesters in both the clinical and classroom portions to be qualified to take the state certification exam.

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<tr>
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<th>Times</th>
<th>Course Length</th>
<th>Credit Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Session 1C</td>
<td>W &amp; F</td>
<td>7:25-9:50am</td>
<td>Full year</td>
<td>2.0 Practical Arts Credit or 1.0 per semester</td>
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<tr>
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<td>Clinical portion: May include some afternoons, evenings, and Saturdays</td>
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<tr>
<td>Session 1B</td>
<td>T &amp; TH</td>
<td>7:25-9:50am</td>
<td>Full year</td>
<td>2.0 Practical Arts Credit or 1.0 per semester</td>
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<td></td>
<td>Clinical portion: May include some afternoons, evenings, and Saturdays</td>
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"...not only have I gained unforgettable memories, but also a start to a career. That is something not every high school student can say."
Celestina—Early College Academy
AUTOMOTIVE TECHNOLOGY I-III

Grades: 10-12
Recommended: 2.0 cumulative GPA
Lab fee: $25.00
Prerequisites: 2.0 cum GPA for Autos I
Prerequisites: 2.5 cum GPA for Autos II and III

CNM Dual Credit may be available**
**Dual Enrollment credit is not guaranteed. Students MUST meet the pre-recs for any specific course AND complete the registration process through the dual credit institution. All DC students must be registered in classes prior to the start of the term which the classes are scheduled. See page 5 in the book for instructions on how to enroll at CNM. CEC instructors and the CEC counselor will assist students in enrolling in the CNM course in the first few days of class at CEC, but it is the student's ultimate responsibility to be sure that they are registered for the CNM course and adhere to any deadlines for dropping or adding a class through the dual credit institution.

- AUTC 1110: Introduction to Automotive Systems (4 CNM credits)
- AUTC 1140: Automotive Electrical (4 CNM credits)
- AUTC 1130: Suspension and Alignment (3 CNM credits)
- AUTC 2120: Engine Performance (3 CNM credits)
- AUTC 1120 Automotive Brake Systems (3 CNM Credits)

Autos I- Do you want to further your knowledge about your vehicle?
- Personal and environmental safety practices
- Preventive maintenance
- Engine building, steering and suspension, brakes
- An industry certified master teacher instructs these courses.

Autos II- Are you interested in an automotive career?
- Steering and suspension; brakes
- Electrical and engine performance
- An industry certified master teacher instructs these courses.

Autos III- Would you like a job at your local automotive dealership with an A.S.E Automotive Technician Certification?
- The Automotive Youth Education System (AYES) Curriculum is incorporated
- Preparation for the AYES certification exam
- Brakes, steering and suspension
- Electrical system and electronics; engine performance
- Students have an opportunity to apprentice at an automotive dealership their senior year.
- An industry certified master teacher instructs these courses.

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<tbody>
<tr>
<td>Session 1</td>
<td>M,T,TH</td>
<td>M 7:30-8:50 and T, TH 7:30-9:50am</td>
<td>Full Year</td>
<td>2.0 practical arts credit or 1.0 per sem.</td>
</tr>
<tr>
<td>Session 2</td>
<td>M-F</td>
<td>12:30-1:50pm</td>
<td>Full Year</td>
<td>2.0 practical arts credit or 1.0 per sem.</td>
</tr>
<tr>
<td>Session 3</td>
<td>M &amp; W</td>
<td>2:00-5:30pm</td>
<td>Full Year</td>
<td>2.0 practical arts credit or 1.0 per sem.</td>
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AUTOMOTIVE TECHNOLOGY I the student learns how to service and maintain his personal automobile. Topics range from basic automotive principles to performing preventive maintenance. This course requires no prior experience with auto mechanics and emphasizes maintenance that can be performed without specialized equipment. (RECOMMENDATION: Session 1)
Auto Technology II provides application of the knowledge and skills learned in Auto Technology I. This course is designed to prepare students with the fundamentals needed to study, diagnose, and repair automotive, mechanical and electrical systems. Emphasis is placed on automotive systems (brakes, steering and suspension, and electrical/electronic), occupational safety, and workplace skills. School-owned vehicles (or teacher approved personally-owned vehicle) and equipment are used. (RECOMMENDATION: Session 2 or Session 3)

Auto Technology III provides application of the knowledge and skills learned in Auto Technology II. This is an automotive laboratory course that deals with the diagnosis and repair of common automotive problems. All diagnosis and repair are done under the supervision of the instructor. Service, diagnosis, and repair procedures are performed on personal or school-owned vehicles to simulate working in the industry. Emphasis is placed on a particular system (brakes, steering and suspension, or electrical) as decided upon by the instructor, parent/guardian, and student. (RECOMMENDATION: Session 3)

AP MATH CLASSES

AP CALCULUS B/C

Grade Level: 11 & 12 (Except with permission from instructor)
Prerequisites: Successful Completion of AP Calculus A/B

Important Notes: This calculus course consists of a full high school academic year of work that is comparable to calculus I and II courses in colleges and universities. At CEC the course extends slightly beyond the required AP topics to cover a complete college calculus II curriculum. These topics include trigonometric integrands and substitutions, extended discussion of differential equations and series applications that are not required by the core B/C curriculum, but are often included in a rigorous college calculus II class. The student is expected to seek college credit, college placement, or both from the college of his/her choice. The student is required to use a graphing calculator and must have access to the graphing calculator at school and at home.

Additional Information: In addition to class time, students must be available for a minimum of two additional tutoring sessions per month. Tutoring sessions will occur Mondays and Wednesdays from 2:00-4:00pm.

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<tr>
<td>Session 1</td>
<td>M, T, TH</td>
<td>M 7:30-8:50 and T, TH 7:30-9:50am</td>
<td>Full Year</td>
<td>2.0 Math credit or 1.0 per sem (1.0 AP Calc credit and 1.0 Math elective credit in the year)</td>
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</table>

AP Calculus BC extends the concepts of limits, differentiation, and integration studied in AP Calculus A/B to include sequences, infinite series, and parametric, polar and vector valued functions. More attention is given to techniques of integration using partial fractions, integration by parts and improper integrals. The student develops ideas from analysis throughout AP Calculus B/C. The course prepares the student for the BC level Advanced Placement test. Optional topics include discussion of historic mathematics problems such as the Gaussian integral, Basel problem and interesting curves such as epicycloids, hypocycloids, tractrix curves, catenary curves and more.
COSMETOLOGY

Grades: 10-12
Lab fee: $20.00
Recommended: 2.0 cumulative GPA; preference given to those who have excellent attendance
Additional Info: Juniors and seniors may earn hours toward State Board Licensing: up to 100 hours depending upon attendance + NM Board of Barbers and Cosmetologist Registration Fee $25. INTERNSHIPS available.

<table>
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<tr>
<th>Session</th>
<th>Days</th>
<th>Times</th>
<th>Grade</th>
<th>Credit Information</th>
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<tbody>
<tr>
<td>Session 1A</td>
<td>M, T, TH</td>
<td>M 7:30-8:50 and T, TH 7:30-9:50am</td>
<td>11th-12th</td>
<td>2.0 Practical Arts credit or 1.0 per semester</td>
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<tr>
<td>Session 1C</td>
<td>W &amp; F</td>
<td>7:30-9:50am</td>
<td>10th graders only</td>
<td>2.0 Practical Arts credit or 1.0 per semester</td>
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<tr>
<td>Session 2</td>
<td>M-F</td>
<td>12:30-1:50pm</td>
<td>11th-12th</td>
<td>2.0 Practical Arts credit or 1.0 per semester</td>
</tr>
<tr>
<td>Session 3</td>
<td>M &amp; W</td>
<td>2:00-5:30pm</td>
<td>11th-12th</td>
<td>2.0 Practical Arts credit or 1.0 per semester</td>
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</table>

This class is an introductory program to cosmetology. If you are interested in your own personal grooming or in being a cosmetologist, barber, nail technician, esthetician or make-up artist, then this class is for you. In this class, your will learn:

- Job skills and salon management
- Shampooing and hair-styling
- Manicuring and pedicuring
- Facial and scalp treatments
- Nail tips
- Theatrical and special-effects make-up
- Glamour make-up
- Permanent waving
- Hair coloring
- Hair extensions

"You learn how to take care of yourself and help others too! Plus, you get to look cute!"
Courtney, LCHS

Cosmetology is an introductory program to all phases of cosmetology excluding hair cutting and sculptured nails. The student acquires the basics in shampooing, hairstyling, manicuring and pedicuring, make-up, facials, scalp treatments, nail tips, permanent waving, hair coloring, salon management, and job skills. In addition, the student has many opportunities to reinforce mathematics and literacy concepts and enhance those skills. Skills and knowledge acquired in this course can be applied to the Marketing, Sales, and Service, Education and Training, Hospitality and Tourism, and Human Services career clusters and their respective pathways.
Would you like to learn how to make apps that can run on a computer or your smart phone? In this class, students work extensively with the Java programming language to:
- Understand the concept of object-oriented programming and use of classes.
- Learn to use an API coding reference
- Learn to draw animated 2d graphics and interactive user interfaces using the Java FX API
- Explore 2D motion and physics by building simple motion and game engines
- Complete at least one programming project of their choice.
- Receive an introduction to the fundamental concepts used to develop all computer applications including logic structures, array methods and data types.
- **UNM Dual Credit** is a possibility for those students who meet the requirements of UNM and CEC Comp Science Programming. Qualified students may enroll in the UNM Dual Credit program and earn UNM credit for CS152 and CS 152L in the 2nd semester.

### Introduction to Computer Science Description:
This project based course introduces students to commercially used programming languages and code libraries in professional grade code editing tools. We will begin will learn fundamentals with small daily objective based assignments and gradually branch outward to large code projects chosen by the student. Programming concepts will emphasize logic structure use in branches and loops, use of classes and objects (object orientation), array methods, data types, and use of an application programming interface (API) reference document. Programming language emphasis will be on Java, Java FX and Android APIs. All software tools used in this class are free to use commercially and many are even open source to encourage students to take their skills home and into the professional world. CS152L

### CAD (COMPUTER AIDED DESIGN) for Architecture and Engineering
**Grades:** 10 -12  
**Recommended:** 2.5 cumulative GPA

There are an endless number of new emerging product ideas that are now requiring Computer Aided Design (CAD) knowledge. The world-wide economic market is embracing the ability to transform an idea into something visible. Don’t let the technology wind of change catch you unprepared. Specialty and technical illustrations that detail the specifics of a new product idea are now required in order to create and sell it. With that said, there are an endless number of reasons you need to learn Computer Aided Design (CAD), and that’s
because it is basically being used everywhere. The world-wide market is embracing the ability to transform an idea into something visible.

- **CAD** is being applied to a wide range of fields and specializations, depending on what you like to draw and what your other skills are.
  
  Career options for CAD and 3D modelers are growing globally:
  
  - Interior design, art, computer graphics, motion simulation, and the Internet
  - Simulations of environment impact, GPS, GIS
  - Medical advancement (e.g. equipment, prosthetics etc)
  - Aerospace, automotive industries (e.g. create plans for use in the manufacturing of airplanes, missiles, automobiles)
  - Computer animation, special effects in movies and the gaming industry
  - Advertising (e.g. designing perfume bottles, motorcycles)
  - Mechanical, Civil, Environment, Industrial, Electrical Engineering
  - Architecture and construction
  - Industrial prototyping (3D printing, CNC : computers to control machine tools)
  - the explosion of engineering and production work in new emerging regions around the globe requiring a more intelligent method for collaborative design

- **CAD and 3D modeling** usage in industry is expected to grow to 81% over the next 3-5 years. Available CAD education opportunities include:
  
  - Industry recognized certificate programs that can be completed in a short time
  - An associate’s degree program in CADD technology

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**ELECTRONICS ENGINEERING AND ROBOTICS I**

**Grades:** 10-12  
**Recommended:** Completed Algebra I and Geometry with an A or B grade.  
**Additional Info:** A math assessment will be given at the beginning of the class.  
**Lab fee:** $25.00

<table>
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<tbody>
<tr>
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<td>12:30-1:50pm</td>
<td>Full Year</td>
<td>2.0 Practical Arts credit or 1.0 per semester</td>
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**“CAD Modeling is rather like playing chess: your mind races ahead of the moves that you eventually make...”**

Are you concerned that you might not know anything that engineering is all about? Do you want to learn electronics and programming while building a robot from scratch? Are you interested in a career in the field of technology or engineering?

- Work with DC and AC concepts
- Talk techno and actually understand it
- Work with Digital Electronics and Semiconductors
- Integrate many different engineering instruments for analysis
- Learn to model in a 3D environment and read the Mechanical Drawings
- Learn to fabricate an entire robot from the Mechanical Drawings, through basic Machining and Tooling applications using Lathes and Mills
- Fabricate unique circuit boards from scratch for the robotic projects
Design and implement various electronic devices and concepts:
- Sonar, Infrared, Servos, Encoders, Microcontrollers, Wireless Cameras, Radios and more,
- Program in C using the latest Microcontroller technology
- Build 2 – 3, various, autonomous Robots from scratch
- Career mentoring opportunities are often available
- Placement may include UNM, SNL and local engineering firms
- Talk techno and actually understand it

**Electronics Engineering and Robotics I** introduces the fundamentals of engineering, writing C programs on a microcontroller to solve a variety of problems, and basic machining and fabrication. It is becoming more difficult to actually find a course where the student takes an idea, designs and builds for it, implements current technology and actually solves a problem. It happens in this course during every meeting. Literacy strategies are integrated throughout the curriculum. Skills and knowledge acquired in this course can be applied to the United States Department of Education’s Information Technology and Science, Technology, Engineering, and Mathematics Career clusters and their respective pathways and New Mexico Communications and Information and Engineering, Construction, and Manufacturing career clusters.

**WEB SCRIPTING**

**Grades:** 10-12

**Recommended:** “C” or better in Geometry or current enrollment in Geometry

Do you want to make a website, or know how websites work? Do you want to learn how to write computer programs but didn’t know where to start? Do you want to design a web-based game?

In this class you will:
- Learn the ‘front end’ languages that create websites
  - HTML5
  - CSS3
  - JavaScript
- Learn programming basics in JavaScript
- Make your own web page or interactive web app
- Learn through experimentation, exploration and projects

**Session| Days| Times| Course Length| Credit Information**
---|---|---|---|---
Session 3| M and W| 2:00-5:30pm| Full Year| 2.0 elective credit or 1.0 per sem.

“**It’s like giving birth – creating your own little baby.**”

Nathan, EHS

Web scripting is an introductory course to computer programming. The student will develop competence in the Web’s core scripting languages: HTML5 and CSS. Using these fundamentals, the student will examine a variety of scripting languages including JavaScript and PHP, 2-D graphics environments for web-based game coding, Linux and Windows, dynamic, interactive websites and incorporate various databases. This level of programming will allow the student to further explore areas such as animation and the next level of Computer Science as well as other career applications. Skills and knowledge acquired in this course can be applied to almost any career cluster that specializes in information technology but specifically to Science, Technology, Engineering, and Mathematics; Finance; Information Technology; Marketing, Sales, Service, Communications and their respective pathways.
DIGITAL MEDIA

DIGITAL MEDIA: 2D/3D ANIMATION

Grades: 10-12
Recommended: 2.5 cumulative GPA, art experience and basic computer knowledge
Lab fee: $10.00
Check us out at: www.cec-animation.com

<table>
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<tr>
<th>Session</th>
<th>Days</th>
<th>Times</th>
<th>Course Length</th>
<th>Credit Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Session 2</td>
<td>M-F</td>
<td>12:30-1:50pm</td>
<td>Full Year: Fall 2D Animation; Spring 3D Animation</td>
<td>2.0 Practical Arts credit or 1.0 per semester</td>
</tr>
<tr>
<td>Session 3</td>
<td>T &amp; TH</td>
<td>2:00-5:30pm</td>
<td>Full Year: Fall 2D Animation; Spring 3D Animation</td>
<td>2.0 Practical Arts credit or 1.0 per semester</td>
</tr>
</tbody>
</table>

Would you like to learn more about computer animation, the growing industry, opportunities right here in Albuquerque?

Animation offers a variety of experiences such as:
- Modeling 3D objects and animating them using industry standard techniques and software
- Modeling, painting, rigging, and animating your own original characters
- Designing and modeling 3D sets
- Using special effects
- Additional hours outside of class are not required but are super-fun

In Digital Media Animation, you will create a fully-animated short film. Each new skill or technique will be taught to you in the context of your own project. You will create your own original or fan-art character by modeling a base character form, sculpting in details, painting color and fine detail on the surface, and rigging the character for motion. You will create your own scene and animate your character in that scene. Finally you will play movie director, as we use virtual lights and cameras to turn your scene into a short film. Many additional topics are taught on a one-on-one basis to interested students.

Skills and knowledge acquired in this course can be applied to the United States Department of Education Information Technology career cluster and its respective pathways and the New Mexico Arts and Entertainment and Communication and Information career.

“Someday I want to work for PIXAR- this is a great start...”

APS Student

DIGITAL MEDIA: ANIMATION 3 and 4

Grades: 10-12
Required: Successful completion of Digital Media: 2D/3D Animation
Lab fee: none

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<tr>
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<td>T and TH</td>
<td>2:00-5:30pm</td>
<td>Full Year</td>
<td>2.0 Practical Arts credit or 1.0 per semester</td>
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</tbody>
</table>

In Digital Media Animation Second Year, you will choose an animation specialty and explore cutting-edge techniques in one of three fields: Video Game Development, Advanced Animation, or Computer Generated VFX for live-action film. In Video Game Development (our most popular choice) you will create your own 3d video game using your own art assets. Some scripting is taught as an optional topic, but this for this specialty we highly recommend concurrent or prior enrollment in either CEC’s Web-Scripting or Computer Science classes.

In Advanced Animation you will learn the latest in dynamic topology sculpting, body and facial motion capture, lip-sync animation for dialogue, and advanced character rigging-- once again, all in the context of your own original
short film. In Visual FX you will learn 3d camera and object tracking, advanced rendering and lighting techniques, node-based compositing, and creation of HDRI environment maps. Some video editing is taught, but for additional editing and cinematography training, we highly recommend concurrent or prior enrollment in CEC’s Digital Media: Film class. Skills and knowledge acquired in this course can be applied to the United States Department of Education Information Technology career cluster and its respective pathways and the New Mexico Arts and Entertainment and Communication and Information career.

**DIGITAL MEDIA: AUDIO**

*Grades: 10-12*

*Recommended: 2.5 cumulative GPA, computer literacy*

*Lab fee: $10.00*

Are you an aspiring audio recording engineer, live sound technician, a creative musician, or just a music lover? You should sign up for Digital Audio!

- Theories of digital and analog sound
- Sound waves, frequency response and decibels
- Digital recording and editing techniques using Adobe Audition
- Current application of digital audio in the market place
- Creation of digital audio projects alongside Digital Animation and Film classes
- Career mentoring opportunities are available

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<tbody>
<tr>
<td>Session 3</td>
<td>M &amp; W</td>
<td>2:00-5:30pm</td>
<td>Fall Semester ONLY</td>
<td>1.0 elective credit for one semester</td>
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</tbody>
</table>

**Digital Audio** is a survey of the fundamental theories of sound, capturing and editing audio, production of audio projects, and the legal considerations involved. The student explores the science of audio, recording techniques using digital and computer devices, software technologies, and current applications in the market place. Topics include, but are not limited to, sound waves, analog vs. digital sound, frequency response, decibels, recording techniques, hardware and software technologies, career exploration, and presentation formats. Literacy strategies are integrated throughout the curriculum.

**DIGITAL MEDIA: FILM**

*Grades: 10-12*

*Recommended: 2.5 cumulative GPA, art experience and basic computer knowledge*

*Lab fee: $10.00*

Can you see yourself telling stories using Digital Media? Have you ever seen a music video and thought you could make it better?

- Film history
- Film style (including documentaries, short stories, full length music videos)
- Digital editing
- Scene composition (camera and lighting)
- Storyboard (drawing and creative writing)

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<td>Session 2</td>
<td>12:30-1:50pm</td>
<td>Full Year</td>
<td>2.0 elective credit or 1.0 per sem.</td>
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</table>

In Digital Media – Film, the student learns film history, film styles including documentaries, short stories, full length videos, digital editing, scene composition (e.g., camera, lighting), how to create a storyboard (e.g., drawing and creative writing), and how to record and publish the film/video. Literacy strategies are integrated throughout the curriculum.
NATIVE AMERICAN CLASSES
These courses are open to Native American students.

NATIVE AMERICAN GOVERNMENT/ECONOMICS and
NATIVE STUDIES I and II

Grades: 9-12 can receive APS credit
Grades: 11-12 can apply for UNM Dual Credit (NATV 150 and NATV 250)
Prerequisites: NATV 150 is a pre-rec for NATV 250
General Information: This course offers both Government and Economics credit and meets the APS graduation requirement and state content standards. The course teaches Government and Economics through a Native American perspective.

Dual Credit may be available: UNM Dual Credit is a possibility for those students who meet the requirements of UNM and CEC Native Studies. Qualified students may enroll in the UNM Dual Credit program and earn UNM credit for NATV150 and NATV250.

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<td>Session 2</td>
<td>T &amp; TH</td>
<td>12:30-1:50</td>
<td>Full Year</td>
<td>0.5 credit in Govt and Nat Studies (or NATV 150) 1.0= Fall 0.5 credit in Econ and Nat Studies (or NATV 250) 1.0= Spring</td>
</tr>
</tbody>
</table>

Government is a required course that provides the student with a framework for understanding the purposes, principles, and practices of American and Native American (Tribal) government as established by the United States Constitution. The student analyzes the history and changing interpretations of the Constitution, the Bill of Rights, and the current state of the legislative, executive, and judiciary branches of government. In addition, he/she examines his/her rights and responsibilities as a dual citizen and how to exercise them as well as experience the political process at local state, tribal, and national levels of governments.

NATV 150 UNM Dual Credit 3.0 credits (11 and 12 graders)
Course Description: This course is designed to introduce you to the significance of Native American Studies through an interdisciplinary approach. You will read, consider, reflect upon, analyze, and respond to materials that focus on four areas within NAS: Leadership and Self-Determination, Education and Language, Arts and Media, and Culture and Environment. You will be introduced to historical and contemporary issues within each of these four areas. Assignments and classroom activities will include reading, lecture, small and large group discussion, group work, presentations, films, and guest speakers, all designed to enhance an experiential approach to learning about Native American Studies. Students who do not earn UNM credit are eligible to earn APS credit in Native Am Studies I.
Course Goals/Student Learning Outcomes: By the end of this course, you will be able to articulate the purpose of Native American Studies; describe many historical and current issues relevant to Native communities; formulate and articulate through writing and oral skills a critically informed opinion related to these issues, which can include incorporation of your own experiences; and hopefully, become motivated to contribute to or participate in Native American communities, organizations, or other related efforts on behalf of Native people.

Economics is a semester course with an emphasis on the allocation of scarce resources and the economic reasoning used by government agencies, Native American tribes, and by people in various economic roles. The student examines topics such as scarcity, supply and demand, market structures, the role of government, money, the role of financial institutions, and international trade.

NATV 250 UNM Dual Credit 3.0 credits (11 and 12 graders)
Course Description: This course examines a body of politics identified with Native America specific to historical and contemporary relevance for understanding Native American/Indigenous/American Indian nations and communities. Students are challenged to identify issues and debates based on selected readings, films; case examples; and guest presentations to engage in informed discussions about the socio-political experience of Native Americans within the U.S. and indigenous peoples internationally, including ‘global’ activist movements. Co/Pre-requisite: NATV 150  The course will use a seminar discussion format to present key (theoretical-methodological) approaches to developing a critical understanding of social and political issues impacting Native Americans today. To make the ‘intangible’ i.e., thinking, values, and belief systems but not limited to policies and political behavior, cultural expression that result in tangible actions affecting Native American peoples. Students are expected to develop and refine their skills in articulating verbal and written critiques of sociopolitical concepts identified. Students who do not earn UNM credit are eligible to earn APS credit in Native Am Studies II.
NATIVE AMERICAN LEADERSHIP
Grade: 10-12
Prerequisites: None

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<tr>
<td>Session 1</td>
<td>T &amp; TH</td>
<td>Full Year</td>
<td>7:30-9:50</td>
<td>3.0 elective credits per year or 1.5 per sem.</td>
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</table>

*Students will be expected to participate in after-school events and activities.*

Native American Leadership is an advanced Native American Studies (NAS) course designed for students who take an additional interest in the Native American Studies program. This course is designed to give a thorough and in depth look at contemporary and traditional forms of Native American leadership and government. It allows students to build upon and apply the knowledge learned in previous NAS classes by asserting and demonstrating leadership, motivational, and skills-building techniques. Expectations are high as students are required to head school and community project planning committees, present information to a variety of audiences using various mediums and technologies (e.g., video, power point, poster boards), and communicate and engage with local Native American organizations.

NAVAJO HISTORY AND GOVERNMENT
Grade: 12
Prerequisites: A CIB and a 506 Form on file with Indian Education Department

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<tbody>
<tr>
<td>Session 1</td>
<td>T &amp; TH</td>
<td>7:30-9:50</td>
<td>Fall or Spring Sem</td>
<td>.5 elective credit per semester</td>
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</tbody>
</table>

Navajo History and Government will offer the history and government of the Navajo Nation. Major historical themes include the Navajo Creation story, Navajo Long Walk, Stock Reduction, and the Navajo Code Talkers. Major government themes will include the traditional Navajo leadership, the Navajo Treaty of 1868, the evolution of the Navajo Nation Chapters, evolution of the Navajo Tribal Council, and the Navajo government today. Curriculum is developed by the Navajo Nation Office of Dine’ Culture, Language and Community Services and is designed to qualify Navajo Nation students for the Chief Manuelito Scholarship. **This class does NOT count for Govt credit for graduation purposes.**

NAVAJO I and II

Grades: 10-12
Prerequisites: Students taking Navajo II must have a passing grade in Navajo I. Students also must be enrolled in a federally recognized tribe and have a 506 and CIB data on file with the district.

Would you like to learn a language spoken by grandparents, parents, and tribal leaders? This class teaches students to read and write Navajo and opens doors to understand Southwestern culture:
- This class will allow students to study Navajo culture, traditions, and language.
- Successful completion of both classes will qualify students for the district and state bilingual seals.
This class satisfies the language requirement to be eligible for the Chief Manuelito Scholarship, which is given only to eligible Navajo students who have taken a Navajo class. Students also need a .5 credit of Navajo Government (also offered at CEC) and a 3.0 GPA.

**Navajo I**: introduces students to the basic skills – listening and speaking – and to the basic structures of Navajo taught within the cultural context. Areas of study include expression, comprehension, language and culture, language functions, connections and personal applications. Emphasis is placed on:
- Listening, and speaking
- Communication skills
- Cultural activities

**Navajo II**: Language acquisition is a developmental process aimed at the ultimate goal of communication. Over time the student develops the ability to write and speak in a meaningful and appropriate manner. Navajo II continues the focus on the basic language skills: listening, speaking, reading, and writing as well as encourages deeper appreciation of the Navajo culture and language. Areas of study include expression, comprehension, language and culture, cultures, language functions, connections, and personal applications. Emphasis is placed on applying oral, written, communication skills to personal, academic, and cultural activities.

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**SHIWI'MA BENA: WE/ZUNI LANGUAGE I and II**

**Grades:** 10-12

**Prerequisites:** Students taking Zuni II must have a passing grade in Zuni I. Students must be an enrolled member of the Pueblo of Zuni and must have a 506 and a CIB document on file with the district.

Would you like to learn a language spoken by grandparents, parents, and tribal leaders? This class teaches students to read and write Zuni and opens doors to understand Southwestern culture:
- This class will allow students to study Zuni culture, traditions, and language.
- Successful completion of both classes will qualify students for the district and state bilingual seals.

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*Dual Enrollment credit is not guaranteed. Students MUST meet the pre-reqs for any specific course AND complete the registration process through the dual credit institution. All DC students must be registered in classes prior to the start of the term which the classes are scheduled. See page 5 in the book for instructions on how to enroll at CNM. Students MUST come to CEC at the start of the school year already with a CNM id#. CEC instructors and the CEC counselor will assist students in enrolling in the CNM course in the first few days of class at CEC, but it is the student's ultimate responsibility to be sure that they are registered for the dual credit course and adhere to any deadlines for dropping or adding a class through the dual credit institution.*

---

**SHIWI'MA BENA: WE/ZUNI LANGUAGE I and II**

**Grades:** 10-12

**Prerequisites:** Students taking Zuni II must have a passing grade in Zuni I. Students must be an enrolled member of the Pueblo of Zuni and must have a 506 and a CIB document on file with the district.

Would you like to learn a language spoken by grandparents, parents, and tribal leaders? This class teaches students to read and write Zuni and opens doors to understand Southwestern culture:
- This class will allow students to study Zuni culture, traditions, and language.
- Successful completion of both classes will qualify students for the district and state bilingual seals.

---

*Dual Enrollment credit is not guaranteed. Students MUST meet the pre-reqs for any specific course AND complete the registration process through the dual credit institution. CEC instructors and the CEC counselor will assist students in enrolling in the course in the first few days of class at CEC, but it is the student’s ultimate responsibility to be sure that they are registered for the course for dual credit and adhere to any deadlines for dropping or adding a class through the dual credit institution.*

---

**SHIWI'MA BENA: WE/ZUNI LANGUAGE I and II**

**Grades:** 10-12

**Prerequisites:** Students taking Zuni II must have a passing grade in Zuni I. Students must be an enrolled member of the Pueblo of Zuni and must have a 506 and a CIB document on file with the district.

Would you like to learn a language spoken by grandparents, parents, and tribal leaders? This class teaches students to read and write Zuni and opens doors to understand Southwestern culture:
- This class will allow students to study Zuni culture, traditions, and language.
- Successful completion of both classes will qualify students for the district and state bilingual seals.
Zuni I: introduces students to the basic skills—listening and speaking—and to the basic structures of Zuni taught within the cultural context. Areas of study include expression, comprehension, language, and culture, language functions, connections, and personal applications. Emphasis is placed on:
- Listening, and speaking
- Communication skills
- Cultural activities

Zuni II: Language acquisition is a developmental process aimed at the ultimate goal of communication. Over time the student develops the ability to write and speak in a meaningful and appropriate manner. Zuni II continues the focus on the basic language skills: listening, speaking, reading, and writing as well as encourages deeper appreciation of the Zuni culture and language. Areas of study include expression, comprehension, language and culture, cultures, language functions, connections, and personal applications. Emphasis is placed on applying oral, written, communication skills to personal, academic, and cultural activities.

SCIENCE COURSES

GEOLOGY/ASTRONOMY

Grades: 10-12  
Recommended: Successful completion of Algebra I and Chemistry  
1.0 Strand C Science

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<tbody>
<tr>
<td>Session 2</td>
<td>M-F</td>
<td>12:30-1:50pm</td>
<td>Full year</td>
<td>1.0 Elective sem 1 AND 1.0 Strand C Science credit Sem 2</td>
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</table>

Would you like to learn more about the universe such as galaxies, stars, and the earth’s position in these entities?
- Formation of the solar system and galaxies with current theories
- Workings of a star and comparison of planets
- Theories of the cosmos
- History and development of astronomy
- This course is project driven and uses a variety of learning methods to develop a more expansive understanding of astronomy.

Astronomy is a laboratory course and is designed to teach the student to develop a clear understanding of the universe, Milky Way, stars, solar system, and the Earth’s position in these. The student studies the formation of the solar system, workings of the sun, comparison of planets, orientation and placement of the Earth in the Milky Way galaxy, formation of galaxies, theories about cosmology, the Big Bang, and the possibility of life in the universe. The history and development of astronomy, the major tools, including ground-based and space-based telescopes, spectroscopy, are investigated intensely. Astronomy uses algebra and geometry to support a deeper understanding of celestial mechanics, Kepler’s and Newton’s laws, and methods of measuring stars. The student studies the life cycles of stars, including stellar evolution, supernovae, neutron stars, and black holes. The student examines scientific thinking and practices and how science impacts individuals and society. Literacy strategies (e.g., reading, writing, speaking, and research) are integrated throughout the curriculum. A variety of labs, projects, field trips, and the use of the Internet supplement the class activities.
**FORENSIC SCIENCE**

*Grades: 11-12*

*Recommended: 3.0 Cumulative GPA, successful completion of Biology and Chemistry*

Would you like to learn the science of CSI?
- Applied Criminalistics
- Learn science used to solve crimes
- Ballistics, Pathology, Blood Spatter and more

*Forensic Science* is an advanced laboratory course designed for students interested in forensic science. The philosophical, rational, and practical framework that supports a forensic investigation is presented via an integrated curriculum. This course presents the unifying principles of forensic science, discusses the foundation of forensic science in the basic sciences and mathematics, and introduces the technique of integrating these areas in the determination of the cause of death. The student studies forensic anthropology, biochemistry, chemistry, botany, entomology, and physics as well as problem-solving techniques utilized in analyzing a crime scene. Other topics include ballistics, autopsies, mass disasters, epidemiology of environmental disaster, biological weapons as well as toxicology, microbiology, and pathology. The instructor utilizes a variety of techniques (e.g., demonstration, lecture, laboratory case studies) and literacy strategies (e.g., reading, writing, speaking, research) to deliver the curriculum.

**AP PHYSICS C**

*Grades: 11-12*

*Prerequisites: Student should have taken Calculus or be taking Calculus concurrently*

*On Line Component: In addition, students who attend AP Physics Session 1 must complete some required assignments ONLINE. If access to the Internet is an issue, students may use a CEC lab to complete these online assignments.*

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<tr>
<td>Session 1</td>
<td>M 7:30-8:50am and T, TH 7:30-9:50am</td>
<td>Full Year</td>
<td>1.0 Elective sem 1 AND 1.0 Strand C Science credit Sem 2</td>
</tr>
<tr>
<td>Session 2</td>
<td>12:30-1:50pm</td>
<td>Full Year</td>
<td>1.0 Elective sem 1 AND 1.0 Strand C Science credit Sem 2</td>
</tr>
</tbody>
</table>

*Students MUST remain in the class for the entire year to complete 1.0 credit of Strand C Science credit.*
**AP Physics C** is officially authorized by the College Board in mechanics. The course also offers supplemental material, including electricity and magnetism to design and build battle bots for the final project. This course is equivalent to calculus-based Physics at the university level and serves as the foundation physics course for students majoring in the physical sciences or engineering with the following:

- Motion, force and energy
- How to use the concept of torque to judo throw your teacher
- Hands-on lab activities with Nerf guns, Hot Wheel cars, and ultra-sonic motion detectors
- Designing and building small remote-operated vehicles

**VETERINARY MEDICINE**

**Grades:** 11-12  
**Recommended:** 3.0 cumulative GPA, successful completion of Biology and Chemistry, and transportation to a mentorship site.  
**Additional Info:** Veterinary Medicine is a mentorship and lab course designed to provide students with the necessary skills to pursue a career in veterinarian medicine. Students will be interning at a local vet clinic a minimum of 5 hours and in the lab two mornings per week. Students are expected to find their own internship sites and arrange hours in accordance with other commitments. Required paperwork will be sent to accepted students in May of 2018.

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<tr>
<td>Session 1C</td>
<td>W &amp; F</td>
<td>7:30-9:50am</td>
<td>Full Year</td>
<td>3.0 elective credit or 1.5 per semester</td>
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The classroom will include:

- Units on animal anatomy and cardiology
- Case studies and research
- Presentation of animal diseases

**Veterinary Medicine** is a mentorship and lab course designed to provide the student with the necessary skills to pursue a career in Veterinary Medicine. The clinic, which the student is assigned to, provides all aspects of the operation of the clinic including exams, diagnosis, treatment, and surgeries. In the classroom, the student studies animal anatomy, cardiology, case studies unique to animals, and research and presentation of animal diseases. The student integrates literacy strategies (e.g., reading, writing, research) throughout the curriculum. The student’s instructor and workplace mentor take an active role in facilitating the student’s mentorship work experience.
SPECIAL EDUCATION ELA AND MATH
CEC offers a specialized district program for students who are gifted with a second eligibility. This program is designed for students who would benefit from a small class size, individualized and challenging curriculum, and assistance in deficit areas. It is intended to steer students through core curriculum areas with interventions and enrichment. Although it is designed for incoming ninth graders as a two to three year program, it can meet the needs of older students. The neighborhood school provides all other required courses for graduation and all ancillary services.

Prerequisites
1. Two eligibilities, one of which is gifted
2. Feel free to visit the class
3. Invite CEC to the IEP

Contact Information
Demian Armstrong, 2x Sponsor Teacher
armstrong_d@aps.edu
247-3658

MATHEMATICS
Available courses range from math intervention classes, Algebra I, Geometry, Algebra II, and Transition to College Math.

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<tr>
<td>Session 2</td>
<td>Semester or Full Year depending on course</td>
<td>1.0 credits per semester</td>
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LANGUAGE ARTS
Available courses range from reading intervention classes to English 9-12

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<tr>
<td>Session 3</td>
<td>Semester or Full Year depending on course</td>
<td>1.5 credits per semester</td>
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</table>

“Absolutely the best thing that ever happened to me in school.”  
Ben, VHS
WORLD LANGUAGES

CHINESE COURSES
Did you know that Chinese is the most spoken language in the world? In this class you will learn:

- Listening, speaking (Mandarin), reading and writing Chinese
- Appreciation of Chinese culture through traditions, history, film, cuisine and pop culture
- Chinese calligraphy, poetry, handcrafts
- **UNM Dual Credit** is a possibility for those students who meet the requirements of UNM and CEC Chinese language program. Qualified students may enroll in the UNM Dual Credit program and earn UNM credit for CHIN 101 and 102, CHIN 201 and 202, and/or CHIN 301 and 302.

NEW! Bilingual Seal: per APS Pathways to the Bilingual Seal, students who complete 4 credits of CEC Chinese (two years) or complete a portfolio presentation, and pass a language assessment exam, may earn NM State Bilingual Seal for Chinese. Contact the Chinese program/instructor for more info.

**CHINESE I and II**

**Grades:** 9-12  
**Recommended:** 2.5 cumulative GPA  
**Lab Fee:** $10.00  
**Dual Credit Available:** Qualified students who meet UNM Dual credit and Chinese course requirements may possibly earn UNM credit in Chinese 101 and 102.

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<td>Full Year</td>
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</table>

**Chinese I** introduces the student to the basic skills- listening, speaking, reading, and writing – and to the basic structures of Chinese taught within the culture context. Areas of study include expression, comprehension, language and culture, cultures, language functions, and personal applications. Emphasis is placed on oral and written communication skills and the student is made aware of the importance of Chinese in his/her world. All students meet or exceed district, state, and national standards – communication, cultures, connections, comparisons, and communities. References in parentheses following each performance standard refer to and are aligned with the New Mexico Modern, Classical, and Native Language Content Standards (NM), National Standards for Foreign Language Learning (NSFLL), and the Common Core State Standards for English Language Arts (CCSS-ELA).

**Chinese II** continues the focus on the basic language skills: listening, speaking, reading and writing as well as encourages deeper appreciation of the Chinese culture and language. Areas of study include expression, comprehension, language and culture, cultures, language functions, and personal applications. Emphasis is placed on applying oral, written, communication skills to personal, academic, and cultural activities.

**CHINESE III and IV**

**Grades:** 9-12  
**Recommended:** 2.5 cumulative GPA  
**Lab Fee:** $10.00
**Pre-Requisite:** Successful completion of Chinese II with C or better. Students who have less than a C in Chinese III may be advised not to continue with Chinese IV. Students who are native and/or heritage speakers and who pass an entrance test may also test into Chinese III.

**Dual Credit:** Qualified (must have a A or B in Sem 1, get teacher recommendation, AND be in 11th or 12th grade) students who meet UNM Dual credit and Chinese course requirements may earn UNM credit in Chinese 201 and 202.

**Online Component:** There is a mandatory 4 hour per week online component to these classes that is required to meet contact hours. If access to the Internet is an issue, students may use a CEC Lab to complete these online assignments.

<table>
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<tr>
<th>Session</th>
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<th>Time</th>
<th>Course Length</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Session 1</td>
<td>W &amp; F</td>
<td>7:30-9:50am</td>
<td>Full Year</td>
<td>2.0 elective credit or 1.0 per sem</td>
</tr>
</tbody>
</table>

**Chinese III** expands the student’s skills: listening, speaking, reading and writing as well as encourages deeper appreciation of the Chinese culture and language. Areas of study include expression, comprehension, language and culture, cultures, language functions, and personal applications. The student begins to focus on presentation, dialogue, and creative writing skills in an area of interest.

**Chinese IV** reinforces and intensifies language skills: listening, speaking, reading and writing as well as encourages deeper appreciation of the Chinese culture and literary genres. Students will be exposed to career opportunities such as linguists and diplomats as well. Areas of study include expression, comprehension, language and culture, cultures, language functions, and personal applications. The student begins to focus on presentation, dialogue, and creative writing skills in an area of interest. Leadership and mentorship are practiced in class.

**CHINESE V and VI**

**Grades:** 10-12
**Recommended:** 2.5 cumulative GPA
**Lab Fee:** $5.00
**Pre-Requisite:** Successful completion of Chinese IV with C or better. Students who have less than a C in Chinese V may be advised not to continue with Chinese VI.

**Dual Credit Available:** Qualified students who meet UNM Dual credit and Chinese course requirements may possibly earn UNM credit in Chinese 301 and 302.

**On Line Component:** There is a mandatory 4 hour per week online component to these classes that is required to meet contact hours. If access to the Internet is an issue, students may use a CEC Lab to complete these online assignments.

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<tbody>
<tr>
<td>Session I</td>
<td>W &amp; F</td>
<td>7:30-9:50am</td>
<td>Full Year</td>
<td>2.0 elective credit or 1.0 per sem</td>
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**Chinese V** is for students who are not eligible for AP Chinese class and would like to take Chinese at the advanced level. Chinese V reinforces and intensifies language skills: listening, speaking, reading and writing as well as encourages deeper appreciation of the Chinese culture and literary genres. Students will be exposed to career opportunities such as linguists and diplomats as well. Areas of study include expression, comprehension, language and culture, cultures, language functions, and personal applications. The student begins to focus on presentation, dialogue, and creative writing skills in an area of interest. Leadership and mentorship are practiced in class.

**Chinese VI** is for students who are not eligible for AP Chinese class and would like to take Chinese at the advanced level. Chinese VI reinforces and intensifies language skills: listening, speaking, reading and writing as well as encourages deeper appreciation of the Chinese culture and literary genres. Students will be exposed to career opportunities such as linguists and diplomats as well. Areas of study include expression, comprehension, language and culture, cultures, language functions, and personal applications. The student begins to focus on presentation, dialogue, and creative writing skills in an area of interest. Leadership and mentorship are practiced in class.
AP CHINESE

Grades: 10-12
Recommended: 2.5 cumulative GPA
Lab Fee: $10.00
Pre-Requisite: Successful completion of Chinese IV with a B or better. Students who have less than a C in AP Chinese at semester 1 may be advised not to continue with the course semester 2.

Additional Information: It is strongly recommended, but not required, that the student take the AP Chinese Language and Culture exam at the end of the year. Chinese heritage learners who have not taken CEC Chinese classes may register for AP Chinese upon passing the placement test in spring semester. Contact Ms Hsu at CEC for more information about this test.

*On Line Component:
There is a mandatory hourly per week online component to these classes that is required to meet contact hours. If access to the Internet is an issue, students may use a CEC Lab to complete these online assignments. The College Board officially authorizes CEC AP Chinese courses. Areas of study include six themes: science/technology, contemporary life, personal/public identities, families/communities, beauty/aesthetics, and global challenges. Emphasis is placed on independent study in Chinese. Leadership and mentorship are practiced in the class.

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<td>W &amp; F</td>
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<td>Full Year</td>
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</table>

AP Chinese Language and Culture prepares the student to reach the high-intermediate / pre-advanced proficiency level as defined by American Council on the Teaching of Foreign Languages (ACTFL). The course is also comparable to fourth semester college course in Mandarin Chinese, or when the student completes approximately 250 hours of college-level classroom instruction. This course deepens students’ immersions into the language and culture of the Chinese-speaking world. The student demonstrates his/her proficiency across the three communicative modes (Interpersonal, Interpretive, and Presentational), and in the five goal areas (Communication, Culture, Connection, Comparisons, and Communities) as outlined in the Standards for Foreign Language Learning in the 21st Century by National Standards in Foreign Language Education Project. Skills and knowledge acquired in this course can be applied to the Modern, Classical, and Native Languages Career Cluster and respective pathways. Literacy is integrated throughout the course.

“The challenge of the class and the constant need for effort is what makes this class so enjoyable and without a doubt my favorite class.”
Derek, ECA
**FRENCH I and II**

**Grades:** 9-12  
**Recommended:** 2.5 cumulative GPA  
**Lab Fee:** $5.00

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<tr>
<th>Session</th>
<th>Days</th>
<th>Times</th>
<th>Course Length</th>
<th>Credit Information</th>
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</thead>
</table>
| Session 3| M & W| 2:00-5:30pm | French I: Fall Semester  
French II: Spring Semester  
(1101 CNM credit available)* | 2.0 elective credit or 1.0 per sem |

*Dual Enrollment credit is not guaranteed. Students MUST meet the pre-reqs for any specific course AND complete the registration process through the dual credit institution. All DC students must be registered in classes prior to the start of the term which the classes are scheduled. See page 5 in the book for instructions on how to enroll at CNM. Students MUST come to CEC at the start of the school year already with a CNM id#. CEC instructors and the CEC counselor will assist students in enrolling in the CNM course in the first few days of class at CEC, but it is the student's ultimate responsibility to be sure that they are registered for the CNM course and adhere to any deadlines for dropping or adding a class through the dual credit institution.

**French I:** Language acquisition is a developmental process. Over time these learners attain the ability to write and speak in a meaningful and appropriate manner. French I introduce students to the basic skills- listening, speaking, reading, and writing – and to the basic structures of French taught within the cultural context. Areas of study include expression, comprehension, language and culture, language functions, connections, and personal applications. Emphasis is placed on oral, written, communication skills, and cultural knowledge. Offered first semester.

**French II:** Language acquisition is a developmental process aimed at the ultimate goal of communication. Over time the students develop the ability to write and speak in a meaningful and appropriate manner. French II continues the focus on the basic language skills: listening, speaking, reading, and writing as well as encourages deeper appreciation of the French culture and language. Areas of study include expression, comprehension, language and culture, language functions, Offered 2nd semester. CNM credit for

**FRENCH III and IV**

**Grades:** 9-12  
**Recommended:** 2.5 cumulative GPA  
**Lab Fee:** $5.00

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<th>Credit Information</th>
</tr>
</thead>
</table>
| Session 3| T & TH| 2:00-5:30pm | French III: Fall Semester  
French IV : Spring Semester  
(1102 CNM credit available)*  
(2201 CNM credit available)* | 2.0 elective credit or 1.0 per sem |
GERMAN COURSES
Did you know that English is a Germanic language? In this class, you will:
- Read, write, sing, and cook in German.
- Watch films in German.
- Have the opportunity to travel to Germany.

GERMAN I AND II
Grades: 9-12
Recommended: 2.5 cumulative GPA
Lab Fee: $5.00

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<tr>
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<tbody>
<tr>
<td>Session 1A</td>
<td>M,T,TH</td>
<td>M 7:30-8:50 and T, TH 7:30-9:50am</td>
<td>German I: Fall Semester</td>
<td>2.0 Practical Arts credit or 1.0 per semester</td>
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<td></td>
<td>German II: Spring Semester</td>
<td></td>
</tr>
<tr>
<td>Session 2</td>
<td>M-F</td>
<td>12:30-1:50pm</td>
<td>German I: Fall Semester</td>
<td>1.0 elective credits or 1.0 per semester</td>
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<td>German II: Spring Semester</td>
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</table>

**German I:** Language acquisition is a developmental process. Over time these learners attain the ability to write and speak in a meaningful and appropriate manner. German I introduce students to the basic skills - listening, speaking, reading, and writing - and to the basic structures of German taught within the cultural context. Areas of study include expression, comprehension, language and culture, language functions, connections, and personal applications. Emphasis is placed on oral, written, communication skills, and cultural knowledge. Offered first semester.

**German II:** Language acquisition is a developmental process aimed at the ultimate goal of communication. Over time the students develop the ability to write and speak in a meaningful and appropriate manner. German II continues the focus on the basic language skills: listening, speaking, reading, and writing as well as encourages deeper appreciation of the German culture and language. Areas of study include expression, comprehension, language and culture, language functions, connections, and personal applications. Emphasis is placed on applying oral, written, communication skills to personal, academic, and cultural knowledge. Offered 2nd semester.

GERMAN III AND IV
Grades: 9-12
Recommended: 2.5 cumulative GPA
Lab Fee: $5.00
Pre-Requisite: Successful completion of German II with C or better. Students who have less than a C in German III may be advised not to continue with German IV.

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<tbody>
<tr>
<td>Session 3</td>
<td>M – TH</td>
<td>2:00-3:50pm</td>
<td>German III : Fall Semester</td>
<td>2.0 elective credit or 1.0 per sem</td>
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<td></td>
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<td>German IV: Spring Semester</td>
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</table>

**German III** reinforces and intensifies language skills: listening, speaking, reading, and writing as well as encourages deeper appreciation of the German culture and language. Areas of study include expression, comprehension, language and culture, language functions, connections, and personal applications. Emphasis is placed on applying oral and written communication skills to personal, academic, and cultural knowledge.

**German IV** reinforces and intensifies language skills: listening, speaking, reading, and writing as well as encourages deeper appreciation of the German culture, language, and literary genres. Students will be exposed to career opportunities such as linguists and diplomats as well. Areas of study include expression, comprehension, language and culture, cultures, language functions, connections, and personal applications. Emphasis is placed on applying oral and written communication skills to personal, academic, and cultural knowledge.
GERMAN V AND GERMAN VI

Grades: 9-12
Recommended: 2.5 cumulative GPA
Lab Fee: $5.00
Pre-Requisite: Successful completion of German III and IV with C or better.

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<tr>
<td>Session 3</td>
<td>M – TH</td>
<td>2:00-3:50pm</td>
<td>German V: Fall Semester</td>
<td>2.0 elective credit or 1.0 per sem</td>
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<td>German VI: Spring Semester</td>
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JAPANESE COURSES

Do you want to learn the language of the country, which brought anime and video games to the world? The class is fun and exciting, but also challenging, so prepare to study seriously (a lot of memorization required). In this class, we will:

- Listen, speak, read, and write Japanese
- Discover the culture through various media
- Engage in activities such as songs, calligraphy, and “manga” creation

Homework: We do many writing exercises in Japanese class. Students who are unable to finish their work during the period must complete it at home. The homework must be turned in at the beginning of the next class for full credit. There will also be weekly quizzes. Students are expected to demonstrate good study habits and study regularly.

JAPANESE I AND II

Grades: 10-12
Recommended: 2.5 cumulative GPA
Lab Fee: $10.00

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<tbody>
<tr>
<td>Session 1</td>
<td>M, T, TH</td>
<td>M 7:30-8:50am and T, TH 7:30-9:50am</td>
<td>Japanese I: Fall Semester Japanese II: Spring Semester</td>
<td>2.0 elective credit or 1.0 per sem</td>
</tr>
<tr>
<td>Session 2</td>
<td>M-F</td>
<td>12:30-1:50pm</td>
<td>Japanese I: Fall Semester Japanese II: Spring Semester</td>
<td>2.0 elective credit or 1.0 per sem</td>
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</table>

Japanese I introduces students to the basic skills—listening, speaking, reading, and writing—and to the basic structures of Japanese taught within the cultural context. Areas of study include expression, comprehension, language and culture, cultures, language functions, connections, and personal applications. Emphasis is placed on oral, written, communication skills, and cultural activities.

Japanese II continues the focus on the basic language skills: listening, speaking, reading, and writing as well as encouraging a deeper appreciation of Japanese culture and language. Areas of study include expression, comprehension, language and culture, cultures, language functions, connections, and personal applications. Emphasis is placed on applying oral, written, communication skills to personal, academic, and cultural activities.
**JAPANESE III AND IV**

Grades: 10-12  
Recommended: 2.5 cumulative GPA  
Lab Fee: $10.00  
Pre-Requisite: Successful completion of Japanese II with C or better. Students who have less than a C in Japanese III may be advised not to continue with Japanese IV. Students who are native and/or heritage speakers and who pass an entrance test may also test into Japanese III.

Additional Time Commitment: 2-3 hours of outside work per week

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<tr>
<td>Session 3</td>
<td>M &amp; W*</td>
<td>2:00-5:30pm</td>
<td>Japanese III: Fall Semester, Japanese IV: Spring Semester</td>
<td>2.0 elective credit or 1.0 per sem</td>
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</table>

**Japanese III** reinforces and intensifies language skills: listening, speaking, reading, and writing as well as encouraging a deeper appreciation of Japanese culture and language. Areas of study include expression, comprehension, language and culture, cultures, language functions, connections, and personal applications. Emphasis is placed on applying oral and written communication skills to personal, academic, and cultural activities.

**Japanese IV** reinforces and intensifies language skills: listening, speaking, reading, and writing as well as encouraging a deeper appreciation of Japanese culture, language, and literary genres. Students will be exposed to career opportunities such as linguists and diplomats as well. Areas of study include expression, comprehension, language and culture, cultures, language functions, connections, and personal applications. Emphasis is placed on applying oral and written communication skills to personal, academic, and cultural activities.

**JAPANESE V and VI**

Grades: 10-12  
Recommended: 2.5 cumulative GPA  
Lab Fee: $10.00  
Pre-Requisite: Successful completion of Japanese IV with C or better. Students who have less than a C in V Japanese at semester may be advised not to continue with Japanese VI.

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<tr>
<td>Session 3</td>
<td>M &amp; W*</td>
<td>2:00-5:30pm</td>
<td>Japanese V: Fall Semester, Japanese VI: Spring Semester</td>
<td>2.0 elective credit or 1.0 per sem</td>
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**Japanese V** is for students who are not eligible for AP Japanese class and would like to take Japanese at an advanced level. Japanese V reinforces and intensifies language skills: listening, speaking, reading, and writing as well as encouraging a deeper appreciation of Japanese culture and language, and literary genres. Students will be exposed to career opportunities such as linguists and diplomats as well. Areas of study include expression, comprehension, language and culture, language functions, connections, and personal applications. Emphasis is placed on applying oral and written communication skills to personal, academic, and cultural activities.

**Japanese VI** is for students who are not eligible for AP Japanese class and would like to take Japanese at an advanced level. Japanese VI further reinforces and intensifies language skills: listening, speaking, reading, and writing as well as encouraging a deeper appreciation of Japanese culture and language, and literary genres. Students will be exposed to career opportunities such as linguists and diplomats as well. Areas of study include expression, comprehension, language and culture, language functions, connections, and personal applications. Emphasis is placed on applying oral and written communication skills to personal, academic, and cultural activities.
**SPANISH I and II***

*Dual Enrollment credit is not guaranteed. Students MUST meet the pre-rcs for any specific course AND complete the registration process through the dual credit institution. All DC students must be registered in classes prior to the start of the term which the classes are scheduled. See page 5 in the book for instructions on how to enroll at CNM. Students MUST come to CEC at the start of the school year already with a CNM id#. CEC instructors and the CEC counselor will assist students in enrolling in the CNM course in the first few days of class at CEC, but it is the student’s ultimate responsibility to be sure that they are registered for the CNM course and adhere to any deadlines for dropping or adding a class through the dual credit institution.

**Spanish I:** Language acquisition is a developmental process. Over time these learners attain the ability to write and speak in a meaningful and appropriate manner. Spanish I introduce students to the basic skills- listening, speaking, reading, and writing – and to the basic structures of Spanish taught within the cultural context. Areas of study include expression, comprehension, language and culture, language functions, connections, and personal applications. Emphasis is placed on oral, written, communication skills, and cultural knowledge. Offered 1st semester.

**Spanish II:** Language acquisition is a developmental process aimed at the ultimate goal of communication. Over time the students develop the ability to write and speak in a meaningful and appropriate manner. Spanish II continues the focus on the basic language skills: listening, speaking, reading, and writing as well as encourages deeper appreciation of the Spanish culture and language. Areas of study include expression, comprehension, language and culture, and language functions. Offered 2nd semester.

**SPANISH III**

*Dual Enrollment credit is not guaranteed. Students MUST meet the pre-rcs for any specific course AND complete the registration process through the dual credit institution. All DC students must be registered in classes prior to the start of the term which the classes are scheduled. See page 5 in the book for instructions on how to enroll at CNM. Students MUST come to CEC at the start of the school year already with a CNM id#. CEC instructors and the CEC counselor will assist students in enrolling in the CNM course in the first few days of class at CEC, but it is the student’s ultimate responsibility to be sure that they are registered for the CNM course and adhere to any deadlines for dropping or adding a class through the dual credit institution.

**Spanish III** expands the student’s skills: listening, speaking, reading and writing as well as encourages deeper appreciation of the Spanish culture and language. Areas of study include expression, comprehension, language and culture, cultures, language functions, and personal applications. The student begins to focus on presentation, dialogue, and creative writing skills in an area of interest.