## SUMMER 8-WEEK SESSION

**June 15 - August 8**

### How to Read the Schedule of Classes

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Course Number</th>
<th>Course Title</th>
<th>Transferability</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEMISTRY 101 - GENERAL CHEMISTRY I (UC:CSU)</td>
<td>5 UNITS</td>
<td>(CSU GE AREA B1 + B3 • IGETC AREA 5A + 5C)</td>
<td>(Please refer to the catalog.)</td>
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</tr>
</tbody>
</table>

**Prerequisites:** Chemistry 60 and Math 125 with a grade of "C" or better. PROOF OF ELIGIBILITY MUST BE BROUGHT TO THE COUNSELING OFFICE.

- **0851** Lec 8:00-9:25 MW OGOR, G W CFS 91126
- **Lab** 12:45-4:50 Th HAMMON, S B CFS 92011
- **And** 11:10-12:15 MW OGOR, G W CFS 92026

#### Evening Classes

- **3458** Lab 5:30-8:00 MW SOLOFF, L B CFS 91125
- **Lec** 8:00-10:10 MW SOLOFF, L B CFS 92026

### Key To Transfer Credit Codes

- **UC** This course is acceptable for credit at all University of California campuses.
- **†UC** The granting of transfer credit by a UC campus for directed study, fieldwork, or variable topics courses is contingent upon a review of the course outline AFTER transfer. A UC student must submit a petition to initiate this process. For further clarification, please consult a counselor.
- **CSU** This course is acceptable for credit at all California State University campuses.

### Building Abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Building</th>
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</thead>
<tbody>
<tr>
<td>ANTH</td>
<td>Anthropology</td>
</tr>
<tr>
<td>ART</td>
<td>Art</td>
</tr>
<tr>
<td>AT</td>
<td>Applied Technology</td>
</tr>
<tr>
<td>BEAUDRY</td>
<td>Beaudry LAUSD (Off Campus)</td>
</tr>
<tr>
<td>BEH</td>
<td>Behavioral Science</td>
</tr>
<tr>
<td>BUS</td>
<td>Business Education</td>
</tr>
<tr>
<td>CDAD</td>
<td>Child Development Academic Dept.</td>
</tr>
<tr>
<td>CFS</td>
<td>Center for Sciences</td>
</tr>
<tr>
<td>CLINICAL</td>
<td>Health Care Facility (Off Campus)</td>
</tr>
<tr>
<td>COSC</td>
<td>Computer Science</td>
</tr>
<tr>
<td>EB</td>
<td>English Building</td>
</tr>
<tr>
<td>EQUESTRN</td>
<td>Equestrian Center</td>
</tr>
<tr>
<td>FIELD</td>
<td>Gym Area Athletic Field</td>
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<tr>
<td>GEOG</td>
<td>Geography</td>
</tr>
<tr>
<td>INTERNET</td>
<td>On-Line Class</td>
</tr>
<tr>
<td>IT</td>
<td>Industrial Technology</td>
</tr>
<tr>
<td>LLC</td>
<td>Library Learning Crossroads</td>
</tr>
<tr>
<td>MATH</td>
<td>Mathematics</td>
</tr>
<tr>
<td>MUS</td>
<td>Music</td>
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<tr>
<td>NGYM</td>
<td>North Gym</td>
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<td>NORWALK</td>
<td>Norwalk LAUSD (Off Campus)</td>
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<tr>
<td>OC</td>
<td>Off Campus</td>
</tr>
<tr>
<td>PAB</td>
<td>Performing Arts Building</td>
</tr>
<tr>
<td>POOL</td>
<td>Swimming Pool</td>
</tr>
<tr>
<td>SGYM</td>
<td>South Gym</td>
</tr>
<tr>
<td>SOC</td>
<td>Social Science</td>
</tr>
<tr>
<td>STADIUM</td>
<td>Shepard Stadium</td>
</tr>
<tr>
<td>VLGE</td>
<td>Village (Behind Gyms)</td>
</tr>
</tbody>
</table>
AGRICULTURE - ANIMAL SCIENCE

Agriculture Department Chair: Dr. Leland S. Shapiro.
Phone: 710-4254. Office: CFS 91043.
Faculty Advisor: Dr. Leland Shapiro. Phone 710-4254. Office: CFS 91043.
Faculty Advisors: Liz White, RVT, 719-6497.

ANIMAL SCIENCE 481—CLINICAL EXPERIENCE FOR VETERINARY TECHNICIANS II - 3 UNITS
(CSU GE AREA B3)
This course is part of the General Education Sustainability Path option for transfer to CSUN. See http://faculty.piercecollege.edu/gepaths for further information.
Advisory: Animal Science 512.
1501 Lec 9:00 am - 12:10 pm T ADELINI, J J CFS 91152
Lec 12:20 pm - 3:30 pm T WHITE, E G CFS 91152

ANIMAL SCIENCE 511—ANATOMY AND PHYSIOLOGY OF ANIMALS (CSU) - 3 UNITS
(CSU GE AREA B2)
This course is part of the General Education Sustainability Path option for transfer to CSUN. See http://faculty.piercecollege.edu/gepaths for further information.
Advisory: Animal Science 512.
1502 Lec 9:35 am - 12:55 pm T Th SHAPIRO, L S CFS 91126

ANIMAL SCIENCE 512—ANATOMY AND PHYSIOLOGY OF ANIMALS LABORATORY (CSU) - 1 UNIT
(CSU GE AREA B3)
Corequisite: Animal Science 511.
1503 Lab 8:00 am - 11:10 am M W ADELINI, J J CFS 91102
1504 Lab 11:20 am - 2:30 pm M W ADELINI, J J CFS 91102

ANATOMY

Life Science Department Chair: Laurence Thouin.
Phone: 710-4282. Office: Center for Sciences – CFS 91042.
Faculty Advisor: Laurence Thouin. Phone: 710-4282.
(See also Biology, Microbiology, and Physiology)
STUDENTS WHO FAIL TO ATTEND THE FIRST CLASS MEETING MAY FORFEIT THEIR PLACE IN CLASS.

ANATOMY 1—INTRODUCTION TO HUMAN ANATOMY (UC:CSU) - 4 UNITS
(CSU GE AREA B2 + B3 • IGETC AREA 5B + 5C)
Advisory: Completion of Biology 3 or 6 with a grade of “C” or better.
8501 Lec 9:35 am - 12:45 pm M W MELLINGER, R G CFS 91126
Lab 9:35 am - 12:45 pm T Th MELLINGER, R G CFS 91102
8502 Lec 9:35 am - 12:45 pm M W MELLINGER, R G CFS 91126
Lab 1:20 pm - 4:30 pm T Th MELLINGER, R G CFS 91102

ASTRONOMY

Physics and Planetary Sciences Department Chair: Dale L. Fields.
Phone: 710-4262. Office: CFS 91040. Email: FieldsDL@piercecollege.edu
Faculty Advisor: Dale L. Fields.

ASTRONOMY 1—ELEMENTARY ASTRONOMY (UC:CSU) - 3 UNITS
(CSU GE AREA B1 • IGETC AREA 5A)
Note: Students interested in earning laboratory credit are encouraged to enroll in Astronomy 2.
1505 Lec 10:45 am - 1:55 pm T Th MALLORY, C R CFS 92044

Evening Classes
3501 Lec 6:00 pm - 9:10 pm M W GRAZIER, K R CFS 92044

ASTRONOMY 2—ELEMENTARY ASTRONOMY LABORATORY (UC:CSU) - 1 UNIT
(CSU GE AREA B3 • IGETC AREA 5C)
Corequisite: Astronomy 1.
Evening Classes
3502 Lab 6:00 pm - 9:10 pm T Th MALLORY, C R CFS 92047
AUTOMOTIVE SERVICE TECHNOLOGY

Industrial Technology Department Chair: Michael Van Dyke.
Phone: 710-4320. Office: IT 3642.
NOTE: PERSONAL AND SAFETY EQUIPMENT REQUIRED FOR ALL AUTOMOTIVE SERVICE TECHNOLOGY CLASSES.

AUTOMOTIVE SERVICE TECHNOLOGY 1—AUTOMOTIVE ENGINES (CSU) - 5 UNITS

Note: A.S.E. CERTIFIED COURSE.

Evening Classes
3509 Lec 6:00 pm - 7:25 pm MTWTh VAN DYKE, M L IT 3640
Lab 7:35 pm -10:05 pm MTWTh VAN DYKE, M L IT 3640

AUTOMOTIVE SERVICE TECHNOLOGY 2—SUSPENSION BRAKES AND POWER SYSTEMS (CSU) - 5 UNITS

Note: A.S.E. CERTIFIED COURSE.

Evening Classes
3510 Lec 6:00 pm - 7:25 pm MTWTh MAKERIAN, R M IT 3641
Lab 7:35 pm -10:05 pm MTWTh KIES, B J IT 3641
And MAKERIAN, R M IT 3641

AUTOMOTIVE SERVICE TECHNOLOGY 41—PRECISION LOWER-END ENGINE BLUEPRINTING AND ASSEMBLY - - 3 UNITS

Note: Students should enroll in both AST 41 and AST 44.
1512 Lec 8:00 am -10:05 am M W FORTUNE, T A IT 3640
Lab 10:05 am -12:10 pm M W FORTUNE, T A IT 3640

AUTOMOTIVE SERVICE TECHNOLOGY 44—PRECISION UPPER-END ENGINE ASSEMBLY - 3 UNITS

Note: Students should enroll in both AST 41 and AST 44.
1513 Lec 1:10 pm - 3:15 pm M W FORTUNE, T A IT 3640
Lab 3:15 pm - 5:20 pm M W ROSDAHL, T H IT 3640

BIOLOGY

Life Science Department Chair: Laurence Thouin.
Phone: 710-4282. Office: Center for Sciences – CFS 91042.
Faculty Advisor: Pat Farris. Phone: 710-4140.
(See also Anatomy, Microbiology, and Physiology.)
STUDENTS WHO FAIL TO ATTEND THE FIRST CLASS MEETING MAY FORFEIT THEIR PLACE IN CLASS.

BIOLOGY 3—INTRODUCTION TO BIOLOGY (UC:CSU) - 4 UNITS

(CSU GE AREA B2 + B3 • IGETC AREA 5B + 5C)
Closed to students who have completed Biology 6.
Note: During the first week of classes, enrolled students must attend laboratory and complete the orientation program. Students must bring their own headphones to this first laboratory meeting. Headphones are available for purchase in the Student Store.
8516 Lec 9:35 am -12:50 pm M W COOPER, M A CFS 91120
Lab 9:35 am -12:50 pm T Th COOPER, M A CFS 91004
8517 Lec 9:35 am -12:45 pm M W COOPER, M A CFS 91120
Lab 1:20 pm - 4:30 pm T Th GEARY, S F CFS 91004

BIOLOGY 123—INTRODUCTION TO MARINE BIOLOGY (UC:CSU) - 3 UNITS

(CSU GE AREA B2 + B3 • IGETC AREA 5B+5C)
International Education Program: Biology of the Sea of Cortez (Gulf of California) in Bahia de los Angeles, Baja Mexico.
Class will be conducted at the Marine Station, Estación del Mar de Cortez, in the town of Bahia de los Angeles in the central Gulf of California. Class activities include intertidal study, fish, dolphin, whale and other marine mammal observation, research methods, snorkeling, and small boat trips to nearby islands. Students are responsible for their own transportation – more information on travel is discussed at the first meeting/orientation for the class.
Travel is from July 19 through July 31, 2015. The class meetings on campus are Wednesday, June 10, Tuesday, June 16, 5-9 p.m. and Wednesday, July 15, 6-9 p.m. in CFS 91008.
See the website, www.pcmsusa.org, for course description and more information - Contact Dr. Raymond Wells by e-mail (best) at pcmsusa@hotmail.com or (310) 999-9072.
Note: Enrollment by add card only.
Note: Passports are required for travel. Information on obtaining passports, including web links, and other course information, is available on the Marine Science website - www.pcmsusa.org.

7663 Lec 5-Hrs, 5 min TBA WELLS, R A CFS 91008 (ADDED)
Lab 7-Hrs, 25 min TBA WELLS, R A OC
(7. Week Class - Starts 6/16/2015, Ends 7/31/2015 )
CHEMISTRY

Chemistry Department Chair: Isidore Goodman.
Phone: 719-6464. Office: CFS 91041. E-mail: goodmail@piercecollege.edu
Faculty Advisor: Isidore Goodman.

English Proficiency Requirement

It is recommended that students whose native language is other than English be enrolled in ESL 87 before enrolling in Chemistry Laboratory courses. Chemistry courses require good reading and writing skills. It is recommended that students be enrolled in or eligible for English 20 or higher before enrolling in any chemistry course.

CHEMISTRY 60—INTRODUCTION TO GENERAL CHEMISTRY (UC:CSU) - 5 UNITS

(CSU GE AREA B1 + B3 • IGETC AREA 5A + 5C)
Prerequisite: Math 115 with a grade of “C” or better, or equivalent skill level demonstrated through the mathematics placement process.
PROOF OF ELIGIBILITY MUST BE BROUGHT TO THE COUNSELING OFFICE.

An introductory course for science majors who have not taken a previous chemistry course or who need a refresher course. This course serves to prepare students for Chemistry 101.

CHEMISTRY 101—GENERAL CHEMISTRY I (UC:CSU) - 5 UNITS

(CSU GE AREA B1 + B3 • IGETC AREA 5A + 5C)
Prerequisites: Chemistry 60 or its equivalent with a grade of “C” or better; Math 125 with a grade of “C” or better, or equivalent skill level demonstrated through the mathematics placement process.
PROOF OF ELIGIBILITY MUST BE BROUGHT TO THE COUNSELING OFFICE.

Chemistry 101 is a challenging class that assumes some prior chemistry knowledge and laboratory experience in order to be successful. If a student doesn’t have such experience it is strongly recommended that they pass Chemistry 60 before attempting Chemistry 101.

Students wishing to take the Chemistry Readiness Challenge Exam should check the assessment center site at http://www.piercecollege.edu/offices/assessment_center/media/pdf/prerequisite.pdf for dates and times. No appointment is necessary and check-in begins approximately 15 minutes prior to the start time at the assessment office located on the first floor of the Student Services Building. Bring your student ID, a pencil and a non-programmable calculator. More information on the exam can be found at the assessment center site above.

Note: The math prerequisite indicated above MUST be met in order to participate in the challenge process. If you have not met the math prerequisite you will not be allowed to take the exam. The challenge exam may only be taken once, so be prepared.

CHEMISTRY 102—GENERAL CHEMISTRY II (UC:CSU) - 5 UNITS

(CSU GE AREA B1 + B3 • IGETC AREA 5A + 5C)
Prerequisite: Chemistry 101 or its equivalent with a grade of “C” or better.
PROOF OF ELIGIBILITY MUST BE BROUGHT TO THE COUNSELING OFFICE.

BIOLOGY 385—DIRECTED STUDY - BIOLOGY (CSU) - 3 UNITS

Note: Enrollment by add card only. Contact Dr. Raymond Wells at pcmsusa@hotmail.com or by telephone at (818) 710-4285.

The content of directed studies courses is outlined in a contract between the student and supervising faculty member.

CHEMISTRY 101 is a challenging class that assumes some prior chemistry knowledge and laboratory experience in order to be successful. If a student doesn’t have such experience it is strongly recommended that they pass Chemistry 60 before attempting Chemistry 101.

Students wishing to take the Chemistry Readiness Challenge Exam should check the assessment center site at http://www.piercecollege.edu/offices/assessment_center/media/pdf/prerequisite.pdf for dates and times. No appointment is necessary and check-in begins approximately 15 minutes prior to the start time at the assessment office located on the first floor of the Student Services Building. Bring your student ID, a pencil and a non-programmable calculator. More information on the exam can be found at the assessment center site above.

Note: The math prerequisite indicated above MUST be met in order to participate in the challenge process. If you have not met the math prerequisite you will not be allowed to take the exam. The challenge exam may only be taken once, so be prepared.
CINEMA

Media Arts Department Chair: Jill Connelly.
Phone: 710-4235. Office: Village 8110. E-mail: conneljp@piercecollege.edu
Faculty Advisor: Jill Connelly.

CINEMA 3—HISTORY OF MOTION PICTURES (UC:CSU) - 3 UNITS
(CSU GE AREA C1 • IGETC AREA 3A)

Evening Classes

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<thead>
<tr>
<th>Code</th>
<th>Lec</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
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<tr>
<td>3514</td>
<td>5</td>
<td>5:25 pm - 7:30 pm</td>
<td>M W</td>
<td>COSTA, D E</td>
<td>BUS 3200</td>
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<tr>
<td>3514</td>
<td>7</td>
<td>7:35 pm - 9:40 pm</td>
<td>M W</td>
<td>COSTA, D E</td>
<td>BUS 3200</td>
</tr>
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COMPUTER APPLICATIONS & OFFICE TECHNOLOGIES

Computer Applications and Office Technologies Department Chair: Lyn Clark.
Phone: 710-4244. Office: BUS 3210C.
Faculty Advisor: Lyn Clark.

Knowledge of English is necessary for the completion of classes in the Computer Applications and Office Technologies Department.

STUDENTS WHO FAIL TO ATTEND THE FIRST CLASS MEETING MAY FORFEIT THEIR PLACE IN CLASS.

COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 32—BUSINESS COMMUNICATIONS (CSU) - 3 UNITS

Prerequisite: English 101 with a grade of “C” or better.

PROOF OF ELIGIBILITY MUST BE BROUGHT TO THE COUNSELING OFFICE.

Students apply the principles of ethical and effective communication to the creation of letters, memos, emails, and written and oral reports for a variety of business situations. Planning, organizing, composing, and revising business documents using word processing software for written documents and presentation-graphics software to create and deliver professional-level oral reports are emphasized. This course is designed for students who already have college-level writing skills and the ability to type is recommended.

<table>
<thead>
<tr>
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<th>Lec</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
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<tbody>
<tr>
<td>1521</td>
<td>9</td>
<td>9:35 am - 11:00 am</td>
<td>MTWTh</td>
<td>PERRET, J D</td>
<td>BUS 3216</td>
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COMPUTER APPLICATIONS OFFICE TECHNOLOGIES 82—MICROCOMPUTER SOFTWARE SURVEY IN THE OFFICE (CSU) - 3 UNITS
(MICROSOFT OFFICE 2013: WORD, EXCEL, ACCESS, POWERPOINT, AND WINDOWS 7)

Students examine information systems and their role in business. Information systems, database management systems, networking, e-commerce, ethics and security, computer systems hardware and software components are evaluated. Students apply these concepts and methods through hands-on projects developing computer-based solutions to business problems.

<table>
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<tr>
<th>Code</th>
<th>Lec</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
</tr>
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<tbody>
<tr>
<td>1522</td>
<td>11</td>
<td>11:10 am - 12:15 pm</td>
<td>MTWTh</td>
<td>PERRET, J D</td>
<td>BUS 3216</td>
</tr>
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</table>

COMPUTER SCIENCE & INFORMATION TECHNOLOGY

Computer Science Department Chair: David Schamus.
Phone: 710-4393. Office: COSC 1503. Email: schamudp@piercecollege.edu.
Faculty Advisor: Sue Krimm. Phone: 710-4314. Office: COSC 1500. Email: krimmsg@piercecollege.edu.

STUDENTS WHO FAIL TO ATTEND THE FIRST CLASS MEETING MAY FORFEIT THEIR PLACE IN CLASS.

CSIT students may print out CSIT assignments at home or if you print out CSIT assignments in the CSIT lab you will be required to pay a $5.00 instructional materials printing fee. Your instructor will clarify your printing options.

COMPUTER SCIENCE-INFORMATION TECHNOLOGY 575—PROGRAMMING FUNDAMENTALS FOR COMPUTER SCIENCE (UC:CSU) - 3 UNITS

Advisory: Mathematics 115 (or one year of high school algebra) with a grade of “C” or better.

Note: This is the FIRST semester programming course for Computer Science majors. Networking degree students should consider Co Sci 508 in the Fall term as an alternative to this course.

Required of Computer Science Majors. Desirable for students wishing to study programming. Students learn procedural C++ and the logic underlying computer program development.

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<tr>
<th>Code</th>
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<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
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<tr>
<td>1506</td>
<td>10</td>
<td>10:45 am - 12:10 pm</td>
<td>MTWTh</td>
<td>HART, R R</td>
<td>COSC 1511</td>
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<tr>
<td>1506</td>
<td>12</td>
<td>12:20 pm - 12:50 pm</td>
<td>MTWTh</td>
<td>HART, R R</td>
<td>COSC 1505</td>
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ELECTRONICS

Industrial Technology Department Chair: Michael Van Dyke.
Phone: 710-4320. Office: IT 3642.
ELECTRONICS 4A—FUNDAMENTALS OF ELECTRONICS I (CSU) - 3 UNITS

Advisory: Concurrent enrollment in Electronics 4B recommended.

Evening Classes
3515 Lec 6:00 pm - 9:10 pm M W KOPITZ, M J VLGE 8109
ENGLISH PLACEMENT PROCESS

The results of the English Placement Process or a valid English Enrollment Authorization Form must be on file in order to enroll in English 21, 28, English 82, 84-87, or English 101, 102, 103.

All students planning to enroll in an English course for the first time are expected to complete the English Placement Process at the Pierce College Assessment Center (Student Services Building). Visit the Assessment Center website to make an appointment and obtain sample test information.

Placement results or prerequisite courses taken at other colleges may be presented to the Counseling Office to be substituted for the Pierce English Placement Process.

Upon completing the process, students are advised of their placement and given an authorization to enroll in that course. Students seeking an explanation of their scores or authorization to enroll in a course other than that in which they have been placed must meet with an English Department advisor.

Students need to provide evidence of prerequisite completion either through coursework in the Los Angeles Community College District, by completing the Pierce College English Placement Process, or through transcripts from other schools presented at the Counseling Office.

STUDENTS WHO FAIL TO ATTEND THE FIRST CLASS MEETING MAY FORFEIT THEIR PLACE IN THE CLASS.

ENGLISH 21—ENGLISH FUNDAMENTALS (NDA) - 3 UNITS

Prerequisite: English 87 with a grade of “C” or better, or appropriate skill level demonstrated through the English Placement Process.

PROOF OF ELIGIBILITY MUST BE BROUGHT TO THE COUNSELING OFFICE.

These classes are part of a Summer Bridge Learning Community. English class must be paired with Personal Development 40. Enrollment by add card only. For more information, please go to www.piercecollege.edu/sumbridge.

<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
<th>Time</th>
<th>Days</th>
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<th>Building</th>
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<tbody>
<tr>
<td>1541</td>
<td>Lec</td>
<td>8:00 am - 9:25 am</td>
<td>MTWTh</td>
<td>CORNING, C W</td>
<td>BEH 1309</td>
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<tr>
<td>1542</td>
<td>Lec</td>
<td>8:00 am - 9:25 am</td>
<td>MTWTh</td>
<td>KOSTERS, W M</td>
<td>BUS 3203</td>
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<tr>
<td>1543</td>
<td>Lec</td>
<td>8:00 am - 9:25 am</td>
<td>MTWTh</td>
<td>GONZALES, D P</td>
<td>BUS 3208</td>
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<tr>
<td>1544</td>
<td>Lec</td>
<td>8:00 am - 9:25 am</td>
<td>MTWTh</td>
<td>STEINBERG, S K</td>
<td>MATH 1415</td>
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<tr>
<td>1545</td>
<td>Lec</td>
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<td>SZKLAREK, D</td>
<td>MATH 1413</td>
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<tr>
<td>1546</td>
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<td>MTWTh</td>
<td>RAUCH, P S</td>
<td>MATH 1414</td>
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<tr>
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<td>Lec</td>
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<td>MTWTh</td>
<td>BERCHIN, A</td>
<td>VLGE 8341</td>
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<tr>
<td>1556</td>
<td>Lec</td>
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<td>MTWTh</td>
<td>GONZALES, D P</td>
<td>BUS 3208</td>
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ENGLISH 28—INTERMEDIATE READING AND COMPOSITION - 3 UNITS
Prerequisite: English 21 with a grade of "C" or better, or appropriate skill level demonstrated through the English placement process.

PROOF OF ELIGIBILITY MUST BE BROUGHT TO THE COUNSELING OFFICE.

These classes are part of a Summer Bridge Learning Community. English class must be paired with Personal Development 40. Enrollment by add card only. For more information, please go to www.piercecollege.edu/sumbridge.

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<thead>
<tr>
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<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
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<tbody>
<tr>
<td>1552</td>
<td>Lec</td>
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<td>MTWTh</td>
<td>MACLEOD, A A</td>
<td>AT 3805</td>
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<tr>
<td>1553</td>
<td>Lec</td>
<td>10:00 am -11:25 am</td>
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<td>KOSTERS, W M</td>
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<tr>
<td>1554</td>
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<td>MTWTh</td>
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<td>VLGE 8343</td>
</tr>
</tbody>
</table>

GEOLOGY

Physics and Planetary Sciences Department Chair: Dale L. Fields.
Phone: 710-4262. Office: CFS 91040. Email: FieldsDL@piercecollege.edu
Faculty Advisor: Jill Lockard.
Phone: 719-6456. Office: CFS 91071. Email: lockarj@piercecollege.edu
(See also Environmental Science 1 & 7; Oceanography 1 & 10).

GEOLOGY 1—PHYSICAL GEOLOGY (UC:CSU) - 3 UNITS
(CSU GE AREA 5A • IGETC AREA B1)
Note: Students interested in earning laboratory credit are encouraged to enroll in Geology 6.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1519</td>
<td>Lec</td>
<td>10:45 am - 1:55 pm</td>
<td>M W</td>
<td>LOCKARD, J</td>
<td>CFS 92049</td>
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</tbody>
</table>

Evening Classes

<table>
<thead>
<tr>
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<th>Type</th>
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<th>Days</th>
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<th>Location</th>
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<tbody>
<tr>
<td>3518</td>
<td>Lec</td>
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<td>M W</td>
<td>OKBAMICHAEL, M</td>
<td>CFS 92049</td>
</tr>
</tbody>
</table>

GEOLOGY 6—PHYSICAL GEOLOGY LABORATORY (UC:CSU) - 2 UNITS
(CSU GE AREA B3 • IGETC AREA 5C)
Prerequisite: Geology 1 or concurrent enrollment.

<table>
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<tr>
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<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
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<tbody>
<tr>
<td>1520</td>
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<td>T Th</td>
<td>LOCKARD, J</td>
<td>CFS 92049</td>
</tr>
<tr>
<td>1520</td>
<td>Lab</td>
<td>11:50 am - 1:55 pm</td>
<td>T Th</td>
<td>LOCKARD, J</td>
<td>CFS 92049</td>
</tr>
</tbody>
</table>

KINESIOLOGY ATHLETICS

Athletic Director: Robert Lofranzo.
Phone: 710-2823. Office: South Gym.

KINESIOLOGY ATHLETICS 552—INTERCOLLEGIATE SPORTS-CONDITIONING & SKILLS TRAINING (UC:CSU) - RPT 3 - 1 UNIT
(CSU GE AREA E)
(ATHLETICS ONLY)

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
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<th>Days</th>
<th>Instructor</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>2501</td>
<td>Lab</td>
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<td>MTWTh</td>
<td>MARDINI, N M</td>
<td>FIELD</td>
</tr>
<tr>
<td>2507</td>
<td>Lab</td>
<td>2:00 pm - 3:25 pm</td>
<td>MTWTh</td>
<td>PEREZ, A G</td>
<td>FIELD</td>
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</table>

Evening Classes
(FOOTBALL ONLY)

<table>
<thead>
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<th>Time</th>
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<th>Instructor</th>
<th>Location</th>
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<tr>
<td>2951</td>
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<td>STADIUM</td>
</tr>
</tbody>
</table>

MULTIMEDIA

Media Arts Department Chair: Jill Connelly.
Phone: 710-4235. Office: Village 8100. E-mail: conneljp@piercecollege.edu
Faculty Advisor: Jill Connelly.

MULTIMEDIA 210—DIGITAL EDITING (CSU) - 3 UNITS
This course introduces students to computer applications for digital editing of video and sound. Emphasis is placed on non-linear post production tools and Adobe Premiere.

<table>
<thead>
<tr>
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<th>Type</th>
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<th>Days</th>
<th>Instructor</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>1507</td>
<td>Lec</td>
<td>10:45 am -11:50 am</td>
<td>MTWTh</td>
<td>MCDONALD, S D</td>
<td>VLGE 8300</td>
</tr>
<tr>
<td>1507</td>
<td>Lab</td>
<td>11:50 am -12:55 pm</td>
<td>MTWTh</td>
<td>MCDONALD, S D</td>
<td>VLGE 8300</td>
</tr>
<tr>
<td></td>
<td>And</td>
<td></td>
<td></td>
<td>NISAN, R</td>
<td>VLGE 8300</td>
</tr>
</tbody>
</table>
MUSIC

Music Department Chair: Wayne Perkins.
Phone: 719-6476. Office: MUS 3416A.
Faculty Advisor: Wayne Perkins.

Additional repeats of some courses permitted for Music major students. See department advisor.

MUSIC 101—FUNDAMENTALS OF MUSIC (UC:CSU) - 3 UNITS
Evening Classes
3525 Lec 7:30 pm - 8:55 pm MTWTh TITMUS, J G MUS 3424

PACE PROGRAM

ART 111—HISTORY OF CONTEMPORARY ART (UC:CSU) - 3 UNITS
(CSU GE AREA C1 • IGETC AREA 3A)
This course is part of the General Education Aesthetics and Culture Path option for transfer to CSUN. See http://faculty.piercecollege.edu/gepaths for further information.

Covers major trends in art from 1900 to present day.

Evening Classes
4952 Lec 7:30 pm - 9:30 pm W COLE, J T BEAUDRY
Lec 1:00 pm - 5:00 pm Sat COLE, J T BEAUDRY
And 45 min TBA COLE, J T INTERNET
4960 Lec 7:50 am - 11:00 am M W STAFF VLGE 8345 (CANCELLED)

ENGLISH 101—COLLEGE READING AND COMPOSITION I (UC:CSU) - 3 UNITS
(CSU GE AREA A2 • IGETC AREA 1A)
Prerequisite: English 28 with a grade of "C" or better, or appropriate skill level demonstrated through the English placement process.

PROOF OF ELIGIBILITY MUST BE BROUGHT TO THE COUNSELING OFFICE.

Evening Classes
4954 Lec 5:30 pm - 7:30 pm M MORTIMER-BOYD, S BEAUDRY
Lec 5:30 pm - 9:30 pm T MORTIMER-BOYD, S BEAUDRY
And 20 min TBA MORTIMER-BOYD, S INTERNET
4973 Lec 8:00 pm -10:00 pm W BESIKOF, R J VLGE 8342
Lec 1:00 am - 5:00 pm Sat BESIKOF, R J VLGE 8342
And 45 min TBA BESIKOF, R J INTERNET

GEOGRAPHY 17—PHYSICAL GEOGRAPHY AND LABORATORY (UC:CSU) - 5 UNITS
(CSU GE AREA B1 + B3 • IGETC AREA 5A + 5C)

Evening Classes
4971 Lec 6:00 pm - 8:00 pm W WHITE, S M VLGE 8344
Lec 6:00 pm -10:00 pm Th WHITE, S M VLGE 8344
Lab 8:00 am -12:00 pm Sat WHITE, S M VLGE 8344
And 2-Hrs, 20 min TBA WHITE, S M INTERNET
And 40 min TBA WHITE, S M INTERNET
4981 Lec 8:00 pm -10:00 pm M GORCIK, R H NORWALK
Lec 6:00 pm -10:00 pm Th GORCIK, R H NORWALK
Lab 1:00 pm - 5:00 pm Sat GORCIK, R H NORWALK
And 2-Hrs, 20 min TBA GORCIK, R H INTERNET
And 40 min TBA GORCIK, R H INTERNET

HUMANITIES 31—PEOPLE IN CONTEMPORARY SOCIETY (UC:CSU) - 3 UNITS
(CSU GE AREA C2 • IGETC AREA 3B)

Evening Classes
4951 Lec 5:30 pm - 7:30 pm W ANDRE, L L BEAUDRY
Lec 8:00 am -12:00 pm Sat ANDRE, L L BEAUDRY
And 45 min TBA ANDRE, L L INTERNET
MATHEMATICS 125—INTERMEDIATE ALGEBRA - 5 UNITS
Prerequisite: Mathematics 115** with a grade of “C” or better, or appropriate skill level demonstrated through the Mathematics placement process, and high school preparation.

PROOF OF ELIGIBILITY MUST BE BROUGHT TO THE COUNSELING OFFICE.
Note: A TI-83 or TI-84 graphing calculator is highly recommended for all sections of this course.
If you are eligible for Math 125 then you are also eligible for Math 228A – Statistics Pathway Part I. To see if this pathway is right for you, see www.piercecollege.edu/departments/mathematics/statway.asp

Evening Classes
4953  Lec  7:30 pm - 9:30 pm  M  GRUBER, E G  BEAUDRY
   Lec  5:30 pm -10:00 pm  Th  GRUBER, E G  BEAUDRY
   Lec  1:00 pm - 5:00 pm  Sat GRUBER, E G  BEAUDRY
   And  30 min           TBA GRUBER, E G  BEAUDRY

PHILOSOPHY 6—LOGIC IN PRACTICE (UC:CSU) - 3 UNITS
(CSU GE AREA A3)
Evening Classes
4961  Lec  7:50 am -11:00 am  T Th  STAFF VLGE 8345 (CANCELLED)

PHILOSOPHY 20—ETHICS (UC:CSU) - 3 UNITS
(CSU GE AREA C2 • IGETC AREA 3B)
Evening Classes
4972  Lec  8:00 pm -10:00 pm  W  HICKS, P M  BEH 1308
   Lec  1:00 pm - 5:00 pm  Sat HICKS, P M  BEH 1308
   And  45 min           TBA HICKS, P M  INTERNET

SOCIOLOGY 2—AMERICAN SOCIAL PROBLEMS (UC:CSU) - 3 UNITS
(CSU GE AREA D • IGETC AREA 4)
Evening Classes
4980  Lec  6:00 pm - 8:00 pm  M  LEVY, C S  NORWALK
   Lec  8:00 am -12:00 pm  Sat LEVY, C S  NORWALK
   And  45 min           TBA LEVY, C S  INTERNET

PERSONAL DEVELOPMENT
Counseling Department Chair: Rudy Dompe.
Phone: 719-6440. Office: Counseling.

PERSONAL DEVELOPMENT 40—COLLEGE SUCCESS SEMINAR (UC:CSU) - 3 UNITS
(CSU GE AREA E)
Note: UC gives credit for Personal Development 40 or 20, not both.
1536   Lec  8:00 am - 9:25 am  MTWTh  EKIMYAN, R  COSC 1511
0952   6-Hrs, 30 min         TBA RODRIGUEZ, C C  INTERNET
This is a distance education online course. No on-campus meetings required. Visit the instructor's web site at https://sites.google.com/site/rodriguezpd40/ for more course information.
0953   6-Hrs, 30 min         TBA SALTER, S C  INTERNET
This is a distance education online course. No on-campus meetings required. Visit the instructor's web site at https://sites.google.com/site/rodriguezpd40/ for more course information.

These classes are part of a Summer Bridge Learning Community. Personal Development 40 must be paired with an English class. Enrollment by add card only. For more information, please go to www.piercecollege.edu/sumbridge/.
PHYSICAL SCIENCE
Physics and Planetary Sciences Department Chair: Dale L. Fields.
Phone: 710-4262. Office: CFS 91040. Email: FieldsDL@piercecollege.edu
Faculty Advisor: Dr. Margaret Wessling. Phone: 610-6541. Office: CFS 91091.
Email: Wessling.physics@yahoo.com

PHYSICAL SCIENCE 4—PHYSICAL SCIENCE AND LABORATORY (UC:CSU) - 4 UNITS
(CSU GE AREA B1 AND B3 • IGETC AREA 5A AND 5C)

Evening Classes

<table>
<thead>
<tr>
<th>Code</th>
<th>Lec</th>
<th>Lab</th>
<th>Time</th>
<th>Day</th>
<th>Instructor</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>3511</td>
<td>3:40 pm - 6:50 pm</td>
<td>3:40 pm - 6:50 pm</td>
<td>M W</td>
<td>ORLOFF, T</td>
<td>CFS 92035</td>
<td></td>
</tr>
</tbody>
</table>

PHYSICS
Physics and Planetary Sciences Department Chair: Dale L. Fields.
Phone: 710-4262. Office: CFS 91040. Email: FieldsDL@piercecollege.edu
Faculty Advisor: Dr. Margaret Wessling. Phone: 610-6541. Office: CFS 91091.
Email: Wessling.physics@yahoo.com

PHYSICS 6—GENERAL PHYSICS I (UC:CSU) - 4 UNITS
(CSU GE AREA B1 + B3 • IGETC AREA 5A + 5C)
Prerequisite: Math 240 or equivalent. (Competence in algebra and geometry is presumed.)

PROOF OF ELIGIBILITY MUST BE BROUGHT TO THE COUNSELING OFFICE.

<table>
<thead>
<tr>
<th>Code</th>
<th>Lec</th>
<th>Lab</th>
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<th>Day</th>
<th>Instructor</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1534</td>
<td>10:45 am - 1:55 pm</td>
<td>10:45 am - 1:55 pm</td>
<td>M W</td>
<td>MEYER, M D</td>
<td>CFS 92035</td>
<td></td>
</tr>
</tbody>
</table>

PHYSICS 101—PHYSICS FOR ENGINEERS AND SCIENTISTS I (UC:CSU) - 5 UNITS
(CSU GE AREA B1 + B3 • IGETC AREA 5A + 5C)
Note: Physics 101 replaces Physics 37.
Prerequisites: Math 261 (Calculus I) or equivalent. (Competence in algebra, geometry and trigonometry is presumed.)
Corequisite: Mathematics 262 (Calculus II) must be taken concurrently.

PROOF OF ELIGIBILITY MUST BE BROUGHT TO THE COUNSELING OFFICE.

<table>
<thead>
<tr>
<th>Code</th>
<th>Lec</th>
<th>Lab</th>
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<th>Day</th>
<th>Instructor</th>
<th>Location</th>
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<tbody>
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<td>12:00 pm - 1:25 pm</td>
<td>1:35 pm - 3:00 pm</td>
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<td>LOVERIDGE, L C</td>
<td>CFS 92033</td>
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</tr>
<tr>
<td></td>
<td>3:10 pm - 4:35 pm</td>
<td>MTWTh</td>
<td>KOCHARIAN, A</td>
<td>CFS 92033</td>
<td></td>
<td></td>
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</tbody>
</table>

PHYSICS 185—DIRECTED STUDY - PHYSICS (CSU) - 1 UNIT
Note: Enrollment by add card only.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8522</td>
<td>2-Hrs, 5 min</td>
<td>TBA</td>
<td>LOVERIDGE, L C</td>
</tr>
</tbody>
</table>

POLITICAL SCIENCE
Political Science/Economics/Criminal Justice Department Chair: Kathy Oborn.
Phone: 710-2587. Office: Library Room 1.
Faculty Advisor: Kassem Nabulsi.

POLITICAL SCIENCE 1—the Government of the United States (UC:CSU) - 3 UNITS
(CSU GE AREA D • IGETC AREA 4 • SATISFIES CSU AMERICAN IDEALS GRADUATION REQUIREMENT US-2 & US-3)

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>0954</td>
<td>6-Hrs, 30 min</td>
<td>GABRIELLI, A C</td>
<td>INTERNET</td>
</tr>
<tr>
<td>0955</td>
<td>6-Hrs, 30 min</td>
<td>GABRIELLI, A C</td>
<td>INTERNET</td>
</tr>
</tbody>
</table>

This class is completely online. If you are enrolled, please ensure you check your Pierce email account the week before the semester begins for an email containing important information about the class. To avoid being excluded from the class, enrolled students must email the professor confirmation prior to the 8:00 pm on the first day of class. For more information please email gabrielac@piercecollege.edu
WELDING

Industrial Technology Department Chair: Michael Van Dyke.
Phone: 710-4320. Office: IT 3642.
NOTE: PERSONAL AND SAFETY EQUIPMENT REQUIRED FOR ALL WELDING CLASSES.

INDUSTRIAL TECHNOLOGY 161—OXY-ACETYLENE WELDING I - 3 UNITS

Evening Classes

<table>
<thead>
<tr>
<th>Course</th>
<th>Type</th>
<th>Start Time</th>
<th>End Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Building</th>
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<tbody>
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<td>Lec</td>
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<td>7:15 pm</td>
<td>MTWTh</td>
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<td>AT 3805</td>
</tr>
<tr>
<td></td>
<td>Lab</td>
<td>7:15 pm</td>
<td>9:45 pm</td>
<td>MTWTh</td>
<td>UDAGER, J M</td>
<td>AT 3805</td>
</tr>
<tr>
<td>5511</td>
<td>Lec</td>
<td>5:45 pm</td>
<td>6:15 pm</td>
<td>MTWTh</td>
<td>KORCHMAREV, E</td>
<td>AT 3805</td>
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<tr>
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<td>8:45 pm</td>
<td>MTWTh</td>
<td>KORCHMAREV, E</td>
<td>AT 3805</td>
</tr>
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</table>

(ADDED)

(CANCELLED)

INDUSTRIAL TECHNOLOGY 162—OXY-ACETYLENE WELDING II - 3 UNITS

Evening Classes

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<thead>
<tr>
<th>Course</th>
<th>Type</th>
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<th>End Time</th>
<th>Days</th>
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<tbody>
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<td>UDAGER, J M</td>
<td>AT 3805</td>
</tr>
<tr>
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<td>Lab</td>
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<td>UDAGER, J M</td>
<td>AT 3805</td>
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<td>AT 3805</td>
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<td>8:45 pm</td>
<td>MTWTh</td>
<td>KORCHMAREV, E</td>
<td>AT 3805</td>
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(ADDED)

(CANCELLED)

INDUSTRIAL TECHNOLOGY 261—ARC WELDING I - 3 UNITS

Prerequisite: Industrial Technology 161.

Evening Classes

<table>
<thead>
<tr>
<th>Course</th>
<th>Type</th>
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<th>End Time</th>
<th>Days</th>
<th>Instructor</th>
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<td>MTWTh</td>
<td>UDAGER, J M</td>
<td>AT 3805</td>
</tr>
<tr>
<td></td>
<td>Lab</td>
<td>7:15 pm</td>
<td>9:45 pm</td>
<td>MTWTh</td>
<td>UDAGER, J M</td>
<td>AT 3805</td>
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<td>MTWTh</td>
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<td>AT 3805</td>
</tr>
</tbody>
</table>

(ADDED)

(CANCELLED)

INDUSTRIAL TECHNOLOGY 262—ARC WELDING II - 3 UNITS

Prerequisite: Industrial Technology 261.

Evening Classes

<table>
<thead>
<tr>
<th>Course</th>
<th>Type</th>
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<td>AT 3805</td>
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<tr>
<td></td>
<td>Lab</td>
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<td>9:45 pm</td>
<td>MTWTh</td>
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<td>AT 3805</td>
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<td>MTWTh</td>
<td>KORCHMAREV, E</td>
<td>AT 3805</td>
</tr>
</tbody>
</table>

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(CANCELLED)

INDUSTRIAL TECHNOLOGY 361—INERT GAS ARC WELDING I - 3 UNITS

Prerequisite: Industrial Technology 261 and 262.

Evening Classes

<table>
<thead>
<tr>
<th>Course</th>
<th>Type</th>
<th>Start Time</th>
<th>End Time</th>
<th>Days</th>
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<tr>
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<td>9:45 pm</td>
<td>MTWTh</td>
<td>UDAGER, J M</td>
<td>AT 3805</td>
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<td>MTWTh</td>
<td>KORCHMAREV, E</td>
<td>AT 3805</td>
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</table>

(ADDED)

(CANCELLED)

INDUSTRIAL TECHNOLOGY 362—INERT GAS ARC WELDING II - 3 UNITS

Prerequisite: Industrial Technology 162, 262, and 361.

Evening Classes

<table>
<thead>
<tr>
<th>Course</th>
<th>Type</th>
<th>Start Time</th>
<th>End Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Building</th>
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<td>7:15 pm</td>
<td>MTWTh</td>
<td>UDAGER, J M</td>
<td>AT 3805</td>
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(ADDED)

(CANCELLED)

INDUSTRIAL TECHNOLOGY 385—DIRECTED STUDY - INDUSTRIAL TECHNOLOGY (CSU) - 3 UNITS

Note: Enrollment by add card only.

Evening Classes

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(ADDED)

(CANCELLED)