MISSION STATEMENT
Norco College serves our students, our community, and its workforce by providing educational opportunities, celebrating diversity, and promoting collaboration. We encourage an inclusive, innovative approach to learning and the creative application of emerging technologies. We provide foundational skills and pathways to transfer, career and technical education, certificates and degrees.

ACCOUNTING

ACC-1A  PRINCIPLES OF ACCOUNTING I  3.00 UNITS
An introduction to accounting principles and procedures. Course geared to accounting and business majors.
PREREQUISITE: None.
ADVISORY: BUS-20.

32136  08:00AM 09:25AM  TTH  IT  109  M Snow
The above section is a web-enhanced class. Internet access is required.

32135  09:40AM 11:05AM  TTH  IT  109  P Worsham
02/16/16 04/08/16  Last day to add: 02/20/16
The above section is a short term hybrid class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

EVENING
32132  06:00PM 08:10PM  M  IT  108  R Hurt
02/22/16 06/06/16  Last day to add: 03/04/16
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

32131  06:00PM 07:25PM  TTH  ATEC 114  Y Kirkpatrick
02/16/16 04/08/16  Last day to add: 02/20/16
The above section is a short term hybrid class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

ONLINE
32134  09:40AM 11:05AM  TTH  IT  109  P Worsham
02/16/16 04/08/16  Last day to add: 03/07/16
The above section is a short term online class that requires an on-site proctored final exam. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

ONLINE
32852  04/18/16 06/09/16  Last day to add: 04/26/16
The above section is a short term online class that requires an on-site proctored final exam. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

ACC-1B  PRINCIPLES OF ACCOUNTING II  3.00 UNITS
A study of managerial accounting principles and information systems.
PREREQUISITE: ACC-1A.

32141  09:40AM 11:05AM  TTH  IT  109  P Worsham
04/18/16 06/09/16  Last day to add: 04/25/16
The above section is a short term hybrid class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

EVENING
32138  06:00PM 07:25PM  TTH  ATEC 114  Y Kirkpatrick
04/18/16 06/09/16  Last day to add: 04/25/16
The above section is a short term hybrid class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

ONLINE
32133  ON LINE  P Worsham
02/16/16 04/08/16  Last day to add: 03/04/16
The above section is an online class that requires an on-site proctored final exam. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
ACC-65 COMPUTERIZED ACCOUNTING 3.00 UNITS
Computerized accounting through the use of commercial software accounting packages.
PREREQUISITE: ACC-1A or 55.
ADVISORY: CIS-1A or 3.

EVENING
32145 06:00PM 09:50PM M IT 202 P Richardson 02/22/16 06/06/16
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

ACC-67 U.S. AND CALIFORNIA INCOME TAX 4.00 UNITS
A CTEC-approved course which provides 45 hours of federal credit, 15 hours of California state credit and 2 hours of ethics (included in the 15 hours of state credit) towards the qualifying education requirement for tax preparers.
PREREQUISITE: None.

EVENING
32147 05:40PM 09:55PM W STEM 115 J Muir 02/22/16 06/06/16
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

ADMINISTRATION OF JUSTICE

ADJ-4 LEGAL ASPECTS OF EVIDENCE 3.00 UNITS
Origin, development, philosophy, and Constitutional-based evidence. (Same as JUS-4)
PREREQUISITE: None.

EVENING
32807 06:00PM 09:35PM TH STEM 115 F Pradia 02/18/16 06/02/16
Last day to add: 02/29/16
The above section is a short term class. Please note the start and end dates.

ANATOMY & PHYSIOLOGY

AMY-2A ANATOMY & PHYSIOLOGY I 4.00 UNITS
An integrated study of body organization and terminology, cells and tissues, skeletal and muscular systems, and eye and ear.
PREREQUISITE: BIO-1 or 1H.

EVENING
32152 11:15AM 12:20PM T ST 211 C Sternburg 02/15/16 06/10/16
02:00PM 05:10PM TTH ST 211
11:15AM 12:05PM TH ST 211
Last day to add: 03/04/16

EVENING
32151 05:45PM 06:35PM T ST 207 S Standen 02/15/16 06/10/16
08:50PM 10:00PM TTH ST 207
05:45PM 06:50PM TH ST 207
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.
AMY-2B  ANATOMY & PHYSIO II  4.00 UNITS
An integrated study of these systems: nervous, endocrine, cardiovascular, respiratory, urinary, digestive and reproductive organ systems.
PREREQUISITE: AMY-2A.
32153  08:30AM 11:40AM  TTH  ST  207  P Campo
02:00PM 03:05PM  T  IT  101  R Allen
02:00PM 02:50PM  TH  IT  101
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

ANT-2  CULTURAL ANTHRO  3.00 UNITS
An introduction to the anthropological concept of culture and to the methods and theories used in the comparative analysis of cultures.
PREREQUISITE: None.
32167  07:30AM 10:50AM  F  HUM  111  P Roberts
02/19/16 06/03/16
Last day to add: 03/01/16
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

AMY-10  SURVEY HUMAN ANAT/PHYSIO  3.00 UNITS
For Allied Health majors: a survey of the structure and function of human cells, tissues and systems.
PREREQUISITE: None.
32150  12:45PM 02:10PM  MW  IT  101  Staff
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

ANTHROPOLOGY

ANT-1  PHYSICAL ANTHROPOLOGY  3.00 UNITS
Examination of human biological evolution and physical diversity, incorporating genetics, primates, fossils, and relationship to the animal world.
PREREQUISITE: None.
32161  09:40AM 11:05AM  TTH  HUM  111  A Mejia
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

ANT-3  PREHISTORIC CULTURES  3.00 UNITS
The development of prehistoric societies from the earliest evidence of human culture to the beginnings of recorded history.
PREREQUISITE: None.
32168  04:15PM 05:40PM  MW  HUM  111  A Tripp
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

ANT-5  CULTURES OF ANCIENT MEXICO  3.00 UNITS
Development of civilization in ancient Mexico, from the earliest cultures to Aztec civilization, and their persistence in the modern world.
PREREQUISITE: None.

ANT-6  INTRODUCTION TO ARCHAEOLOGY  3.00 UNITS
Examination of the goals, concepts, discoveries, and methods of modern archaeology as they are used to reconstruct and interpret ancient societies.
PREREQUISITE: None.

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ARCHITECTURE

ARE-25 ADV ARCH DRAFTING  3.00 UNITS
Advanced study and preparation of detailed architectural drawings.

EVENING
32867  06:20PM 07:45PM  T  ATEC 109  C Bohigian
07:50PM 09:55PM  T  ATEC 109
06:20PM 09:30PM  TH  ATEC 109
Last day to add: 03/04/16

ARE-35 HIST ARCH BEGIN-GOTHIC  3.00 UNITS
Purposes and types of buildings from antiquity through the Gothic period. Emphasis on processes and sources of design.
PREREQUISITE: None.

ONLINE
32868  ON LINE  J Jorgensen
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

ART

ART-1 HIST ART: ANCIENT/MED  3.00 UNITS
Survey of the history of Western art: Prehistoric through the Medieval periods.
PREREQUISITE: None.
ADVISORY: Qualification for ENG-1A.

EVENING
32840  06:00PM 09:10PM  W  ATEC 114  C Goux
Last day to add: 03/04/16

ART-2 HIST ART: RENAISS/CONTEMP  3.00 UNITS
Survey of the history of Western art: Renaissance through Contemporary.
PREREQUISITE: None.
ADVISORY: Qualification for ENG-1A.

EVENING
32174  06:00PM 09:35PM  M  ATEC 114  C Goux
02/22/16 06/06/16
Last day to add: 03/04/16

ART-6 ART APPRECIATION  3.00 UNITS
An introductory course for the non-art major. An overview of the creative process and various art forms.
PREREQUISITE: None.
ADVISORY: Qualification for ENG-1A.

32841  08:00AM 09:10AM  TTH  WEQ  W6  B May
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

32182  10:30AM 01:50PM  F  ATEC 114  D Martin
02/19/16 06/03/16
Last day to add: 03/01/16
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

ART-6H HONORS ART APPRECIATION  3.00 UNITS
Offers students in the Honors Program an introductory course for the non-art major. An overview of the human creative process, and its influence and impact on various art forms.
PREREQUISITE: None.
ADVISORY: Qualification for ENG-1A.
LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.

32818  08:00AM 09:25AM  TTH  STEM 125  Q Bemiller
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

ART-7 WOMEN ARTISTS IN HISTORY  3.00 UNITS
Survey of the contributions of women artists from the ancient era through the present.
PREREQUISITE: None.
ADVISORY: Qualification for ENG-1A.

32842  12:45PM 02:10PM  MW  HUM  102  J Wimbley
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

ART-17 BEGINNING DRAWING  3.00 UNITS
Introduction to drawing in a variety of media. Exploration of the elements of art, composition, perspective, including development of observational, motor and creative skills.
PREREQUISITE: None.

32171  02:00PM 02:50PM  T  ATEC 209  M Lindeman
03:05PM 05:10PM  TTH  ATEC 209
02:00PM 03:05PM  TH  ATEC 209
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

32170  02:40PM 03:30PM  M  ATEC 209  K Frost
03:45PM 05:50PM  MW  ATEC 209
02:40PM 03:45PM  W  ATEC 209
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

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ART-18  INTERMEDIATE DRAWING  3.00 UNITS
Intermediate and continued study of drawing with the emphasis on color theory and color media.
PREREQUISITE: ART-17.
32173  09:40AM 10:30AM  T  ATEC 209  Q Bemiller
10:45AM 12:50PM  TTH  ATEC 209
09:40AM 10:45AM  TH  ATEC 209
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

ART-22  BASIC DESIGN  3.00 UNITS
Introduction to the fundamentals of two-dimensional design. The practice of the organization of the visual elements, according to the principles of design.
PREREQUISITE: None.

EVENING
32175  06:30PM 07:20PM  M  ATEC 209  K Roberts
07:35PM 09:40PM  MW  ATEC 209
06:30PM 07:35PM  W  ATEC 209
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

ART-23  DESIGN & COLOR  3.00 UNITS
Continued study of two-dimensional design with the emphasis on color theory and more complex problems.
PREREQUISITE: ART-17 or 22.
32176  08:00AM 09:50AM  M  ATEC 209  Q Bemiller
09:05AM 11:10AM  MW  ATEC 209
08:00AM 09:05AM  W  ATEC 209
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

ART-24  THREE DIMENSIONAL DESIGN  3.00 UNITS
Introduction to the fundamentals of three-dimensional design. A materials fee of $15 will be charged at the time of registration.
PREREQUISITE: None.

EVENING
32177  06:00PM 06:50PM  T  ATEC 209  M Lindeman
07:05PM 09:10PM  TTH  ATEC 209
06:00PM 07:05PM  TH  ATEC 209
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

ART-26  BEGINNING PAINTING  3.00 UNITS
Introduction to painting (oil or acrylic); technique, process, perception, color theory, composition, and creativity.
PREREQUISITE: ART-17.
32178  11:20AM 12:10PM  M  ATEC 209  Q Bemiller
12:25PM 02:30PM  MW  ATEC 209
11:20AM 12:25PM  W  ATEC 209
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

ART-27  INTERMEDIATE PAINTING  3.00 UNITS
Intermediate painting (oil or acrylic); various techniques, process, perception, color theory, composition, and creativity.
PREREQUISITE: ART-23 or 26.
32179  11:20AM 12:10PM  M  ATEC 209  Q Bemiller
12:25PM 02:30PM  MW  ATEC 209
11:20AM 12:25PM  W  ATEC 209
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

ART-28A  STUDIO PAINTING-PORTFOLIO PREP  3.00 UNITS
Independent studio painting for the self-motivated student with emphasis on individual art problems and portfolio preparation.
PREREQUISITE: ART-27.
32839  11:20AM 12:10PM  M  ATEC 209  Q Bemiller
12:25PM 02:30PM  MW  ATEC 209
11:20AM 12:25PM  W  ATEC 209
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

ART-48A  STUDIO DRAWING-PORTFOLIO PREP  3.00 UNITS
Studio drawing continued for the self-motivated student with emphasis on individual art problems, independence and portfolio preparation.
PREREQUISITE: ART-18.
32814  09:40AM 10:30AM  T  ATEC 209  Q Bemiller
10:45AM 12:50PM  TTH  ATEC 209
09:40AM 10:45AM  TH  ATEC 209
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

BIOLOGY

BIO-1  GENERAL BIOLOGY  4.00 UNITS
A study of life as revealed in biological systems using cellular, organismal and ecological approaches. The basic principles of cellular biology, biochemistry, genetics, evolution, ecology and the social implications of biology.
PREREQUISITE: None.
32183  08:00AM 09:25AM  TTH  STEM 201  T Friedrich Finnern
09:40AM 12:50PM  T  IT  128  C Traugh
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.
32187  08:00AM 09:25AM  TTH  STEM 201  T Friedrich Finnern
09:40AM 12:50PM  TH  IT  128  C Traugh
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.
32186  11:15AM 12:40PM  TTH  STEM 201  B Moore
02:00PM 05:10PM  T  IT  128
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.
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<tr>
<th>Course Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
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<td>BIO-17</td>
<td>12:45PM</td>
<td>MW</td>
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<td>M Gutierrez</td>
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<tr>
<td>BIO-10</td>
<td>08:45AM</td>
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<td>IT   101</td>
<td>Staff</td>
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<tr>
<td>BIO-3</td>
<td>08:45AM</td>
<td>MW</td>
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<td>B Moore</td>
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<td>01:00PM</td>
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<td>T Johnson</td>
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<td>M Donovan</td>
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<td>TTH</td>
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<td>TTH</td>
<td>STEM 201</td>
<td>T Friedrich Finnern</td>
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<td>BIO-11H</td>
<td>09:40AM</td>
<td>TTH</td>
<td>STEM 201</td>
<td>T Friedrich Finnern</td>
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</tbody>
</table>

BIO-17 HUMAN BIOLOGY 4.00 UNITS
A non-major introductory course in biology, as revealed in the human body

BIO-10 LIFE SCIENCE PRINCIPAL 3.00 UNITS
An introduction to principles of life science through the study of biological concepts designed for non-science majors.

BIO-3 FIELD BOTANY 4.00 UNITS
A course dealing with the field collection and laboratory classification of native and naturalized plants.

BIO-12 INTRO ORGISMAL POPL BIOL 5.00 UNITS
An intensive course for Life Science majors studying plants, animals, ecology and evolution.

BUS-10 INTRO TO BUSINESS 3.00 UNITS
Considers scope, function and organization of business, including principles and practices, with an integrated global perspective.

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**BUS-12**  OPPORTUNITY ANALYSIS  **2.00 UNITS**
Examines the process of transforming ideas into business opportunities.  
**PREREQUISITE:** None.

**BUS-13**  SUCCESSFUL BUSINESS PLAN/MODEL  **2.00 UNITS**
Provides a systematic process for developing a business plan/model.  
**PREREQUISITE:** None.

**BUS-18A**  BUSINESS LAW I  **3.00 UNITS**
Legal and ethical environment of business torts, contracts, sales and principles of employment.  
**PREREQUISITE:** None.

**BUS-18B**  BUSINESS LAW II  **3.00 UNITS**
Commercial paper, business organizations, government regulations, protection of property rights and international law.  
**PREREQUISITE:** None.

**BUS-20**  BUSINESS MATH  **3.00 UNITS**
Introduces math based approaches to solving common business problems. Includes the areas of business statistics, pricing, payroll, taxes, interest, personal finance, and business finance.  
**PREREQUISITE:** None.

**BUS-22**  MGMT COMMUNICATIONS  **3.00 UNITS**
Examines the dynamics of organizational communication including interpersonal, verbal, nonverbal and written.  
**PREREQUISITE:** None.  
**ADVISORY:** CAT-30.
BUS-47  APPLIED BUS, MGMT ETHICS  3.00 UNITS
An examination of ethical concerns including corporate, personal, global, environmental, public related issues ethics audits, and corporate social responsibility. (Same as MAG-47)
PREREQUISITE: None.
32214  09:40AM 11:05AM  TTH  IT  127  G Zwart
02/16/16 04/08/16  Last day to add: 02/20/16
The above section is a short term hybrid class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

BUS-80  PRINCIPLES OF LOGISTICS  3.00 UNITS
Introduction to the field of logistics and the methods for improving product distribution effectiveness.
PREREQUISITE: None.

CHEMISTRY
CHE-1A  GENERAL CHEMISTRY I  5.00 UNITS
Simple chemical systems-gas laws, weight relations, thermodynamics, atomic structure and bonding.
PREREQUISITE: CHE-2A or 3 and MAT-35.
32907  10:30AM 11:55AM  MW  HUM  204  M Farnum
01:30PM 04:40PM  MW  HUM  208
The above section is a web-enhanced class. Internet access is required.

CHE-1B  GENERAL CHEMISTRY II  5.00 UNITS
Sequel to CHE-1A: reaction rates, equilibrium, acid-base, thermodynamics, electrochemistry, nuclear, inorganic and organic chemistry.
PREREQUISITE: CHE-1A or 1AH.
32226  08:45AM 10:10AM  MW  HUM  204  S Freitas
08:45AM 11:55AM  TTH  HUM  208
The above section is a web-enhanced class. Internet access is required.
CHE-2A  INTRO CHEMISTRY I                      4.00 UNITS
Introductory chemical concepts with health and environmental applications; fulfills the needs of non-science majors.
PREREQUISITE: MAT-52.

32227  08:00AM 11:10AM  T  HUM 204  Staff
        02:00PM 03:25PM  TTH  IT  117
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

32228  02:00PM 03:25PM  TTH  IT  117  Staff
        08:00AM 11:10AM  TH  HUM 204
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

CHE-12A  ORGANIC CHEMISTRY II                  5.00 UNITS
Structure and reactivity of the compounds of carbon for pre-professional programs and science majors.
PREREQUISITE: CHE-1B or 1BH.

32222  09:40AM 11:05AM  TTH  ATEC 119  S Tyler
        02:00PM 05:10PM  TTH  HUM 208
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

CHE-12B  ORGANIC CHEMISTRY II                  5.00 UNITS
Continued study of structure and reactivity of carbon compounds with increasing emphasis on biological applications.
PREREQUISITE: CHE-12A.

32858  08:45AM 11:55AM  MW  HUM 208  Staff
        01:30PM 02:55PM  MW  IT  110
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

COMMERCIAL MUSIC

MUC-1A  BEG PERFORMANCE TECHNIQUES              2.00 UNITS
Introduction to practical performance techniques for the recording studio. Students will have the opportunity to participate in the planning process of a recording session. This class is appropriate for vocalist and instrumentalist.
PREREQUISITE: None.

32613  01:00PM 02:50PM  W  THTR 204  B Kerr
        01:00PM 05:30PM  F  THTR 204
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

MUC-1B  INTER PERFORMANCE TECHNIQUES             2.00 UNITS
Skills development in performance and studio technique as they relate to song formation, collaboration, microphone, mixing and production.
PREREQUISITE: MUC-1A.

32614  01:00PM 02:50PM  W  THTR 204  B Kerr
        01:00PM 05:30PM  F  THTR 204
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

MUC-1C  ADV PERFORMANCE TECHNIQUES               2.00 UNITS
Advanced performance and studio techniques as they relate to communication, song collaboration, studio session mapping, microphone, mixing and production.
PREREQUISITE: MUC-1B.

32615  01:00PM 02:50PM  W  THTR 204  B Kerr
        01:00PM 05:30PM  F  THTR 204
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

MUC-2  SONGWRITING                             1.00 UNITS
Introduction to commercial songwriting techniques. Topics include form, rhythm, melody, lyrics, chord progressions, preparing lead sheets and arranging.
PREREQUISITE: MUS-3.

32616  01:50PM 03:40PM  T  HUM 101  B Kerr
        01:50PM 02:40PM  TH  HUM 101  K Kamerin
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.
MUC-3 INTRO TO PRO TOOLS 3.00 UNITS
An introduction to MIDI and digital audio using the industry-standard Pro Tools software.
PREREQUISITE: None.

MUC-4 INTERMEDIATE PRO TOOLS: 110 3.00 UNITS
An intermediate-level course to the Pro Tools system. Students will take a more detailed look at Pro Tools, including managing data, recording, mixing, and editing. Students who successfully complete this course will be eligible to take the Pro Tools 110 certification exam offered through Digidesign.
PREREQUISITE: MUC-3.

MUC-10 NORCO CHOIR 2.00 UNITS
A mixed-voice ensemble dedicated to the performance of traditional choral music, commercial music, spirituals, choral jazz and other 20th century vocal works of the highest quality.
PREREQUISITE: None.
LIMITATION ON ENROLLMENT: Audition on or before the first class meeting.

MUC-11 STUDIO ARTS ENSEMBLE 2.00 UNITS
Designed for instrumentalists, vocalists and technical crew interested in the field of commercial music and entertainment. This ensemble is open to singers, guitarists, drummers, bassists, horn players, string players, pianists, keyoardists and/or technical crew members who work collaboratively to study, perform and/or record selected musical arrangements.
PREREQUISITE: None.

MUC-13 RECORDING STUDIO WORKSHOP I 3.00 UNITS
Students will have the opportunity to record and produce multi-track digital audio projects.
PREREQUISITE: MUC-3 and 12.

COM-1 PUBLIC SPEAKING 3.00 UNITS
Prepare, present and evaluate a variety of speeches.
PREREQUISITE: None.
ADVISORY: COM-51 and/or qualification for ENG-1A.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
<th>Prerequisite</th>
<th>Advisory</th>
<th>Meeting Times</th>
<th>Days</th>
<th>Room</th>
<th>Instructor</th>
<th>Start Date</th>
<th>End Date</th>
<th>Last Day to Add</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM-3</td>
<td>ARGUMENTATION AND DEBATE</td>
<td>3.00</td>
<td>Prepare and orally present different types of debate and develop ethical and well-reasoned arguments supported by evidence.</td>
<td>None</td>
<td>None</td>
<td>11:15AM 12:40PM TTH IT 109 J Horn</td>
<td>03/04/16</td>
<td></td>
<td>03/04/16</td>
<td>J Horn</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COM-6</td>
<td>DYNAMICS OF SMALL GROUP COMMUN</td>
<td>3.00</td>
<td>Prepares students for effective, ethical participation and leadership in small groups and teams. Develops student's competence and confidence as a group member and leader.</td>
<td>None</td>
<td>None</td>
<td>04:15PM 05:40PM MW IT 211 Staff</td>
<td>03/04/16</td>
<td></td>
<td>03/04/16</td>
<td>Staff</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COM-7</td>
<td>ORAL INTERPRETATION OF LIT</td>
<td>3.00</td>
<td>Prepare and expressively present interpretation of literature aloud.</td>
<td>None</td>
<td>None</td>
<td>09:40AM 11:05AM TTH IT 209 M Lewis</td>
<td>03/04/16</td>
<td></td>
<td>03/04/16</td>
<td>M Lewis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COM-9</td>
<td>INTERPERSONAL COMMUNICATION</td>
<td>3.00</td>
<td>Analyzes the dynamics, components and ethics of the two-person communication process in relationships.</td>
<td>None</td>
<td>None</td>
<td>12:45PM 02:10PM MW ATEC 119 M Lewis</td>
<td>03/04/16</td>
<td></td>
<td>03/04/16</td>
<td>M Lewis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COM-10</td>
<td>PRINCIPLES OF SPEECH</td>
<td>3.00</td>
<td>Focuses on the mechanics of speech, the delivery of speech, and the psychological aspects of speech.</td>
<td>None</td>
<td>None</td>
<td>07:10AM 08:40AM MTWTH IT 206 M Lewis</td>
<td>02/21/16</td>
<td></td>
<td>02/21/16</td>
<td>M Lewis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COM-11</td>
<td>PERSUASIVE COMMUNICATION</td>
<td>3.00</td>
<td>Prepares students to make effective and persuasive oral and written arguments.</td>
<td>None</td>
<td>None</td>
<td>07:10AM 08:40AM MTWTH IT 206 M Lewis</td>
<td>04/24/16</td>
<td></td>
<td>04/24/16</td>
<td>M Lewis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COM-12</td>
<td>INTERCULTURAL COMMUNICATION</td>
<td>3.00</td>
<td>Focuses on the communication behaviors and values common to all cultures and ethnic groups, and on the differences that may insulate and divide people.</td>
<td>None</td>
<td>None</td>
<td>11:15AM 12:40PM TTH IT 209 J Muto</td>
<td>03/04/16</td>
<td></td>
<td>03/04/16</td>
<td>J Muto</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAT-98A</td>
<td>INTRO TO EXCEL</td>
<td>1.50</td>
<td>An introduction to electronic spreadsheets using Excel. (Same as CIS-98A)</td>
<td>None</td>
<td>None</td>
<td>10:30AM 11:55AM MW IT 127 B Fuller</td>
<td>02/16/16</td>
<td></td>
<td>02/16/16</td>
<td>B Fuller</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CAT-98B  ADVANCED EXCEL  1.50 UNITS
Advanced spreadsheet concepts including working with large spreadsheets, database manipulation, templates and macro preparation and use. (Same as CIS-98B).
PREREQUISITE: CAT-98A.
32914  10:30AM 11:55AM MW IT 127 B Fuller
12:05PM 02:10PM M LIBR LRC
04/18/16 06/08/16 Last day to add: 04/22/16
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates. Designated laboratory hours are included in the meeting times for this class.

COMPUTER INFORMATION SYSTEMS

CIS-1A  INTRO TO COMP INFO SYS  3.00 UNITS
Introduction to computer concepts, theory and computer applications. Functions and capabilities of word processors, spreadsheets, databases, presentation graphics and the Internet are covered through lecture, discussion and hands-on computer assignments.
PREREQUISITE: None.
32236  08:00AM 09:25AM TTH IT 127 C Brotherton
09:35AM 10:20AM T LIBR LRC
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.
32245  10:30AM 11:55AM MW IT 125 J Coverdale
09:30AM 10:20AM W LIBR LRC
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.
32244  10:30AM 01:50PM F ATEC 118 B Fuller
02:00PM 03:05PM F LIBR LRC
02/19/16 06/03/16 Last day to add: 03/01/16
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates. Designated laboratory hours are included in the meeting times for this class.
32241  11:15AM 12:40PM TTH IT 127 C Brotherton
12:50PM 01:40PM TH IT 127
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.
32237  12:45PM 02:10PM MW ATEC 118 J Coverdale
02:20PM 03:10PM W LIBR LRC
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.
32239  04:15PM 05:40PM TTH ATEC 118 J Coverdale
05:50PM 06:40PM T LIBR LRC
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

CIS-2  FNDMTLGS SYSTEM ANALYSIS  3.00 UNITS
Structured analysis of user requirements related to information systems, for eventual design/development of the system. (Same as CSC-2)
PREREQUISITE: None.
32250  08:00AM 11:20AM F IT 202 T Pryor
11:50AM 03:10PM F IT 202
02/19/16 06/03/16 Last day to add: 03/01/16
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates. Designated laboratory hours are included in the meeting times for this class.

CIS-5  PROGRAM LOGIC USING C++  4.00 UNITS
Introduction to computer science for gaming, business, scientific and mathematical applications using C++. (Same as CSC-5)
PREREQUISITE: None.
ADVISORY: CIS-1A.
32250  08:00AM 11:20AM F IT 202 T Pryor
11:50AM 03:10PM F IT 202
02/19/16 06/03/16 Last day to add: 03/01/16
The above section is a short term web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home! www.norccollegebookstore.com
CIS-17A  C++ PROGRAMMING: OBJECTS  3.00 UNITS
Object-Oriented program development using C++. (Same as CSC-17A)
PREREQUISITE: CIS/CSC-5.

32232  02:00PM 03:25PM  TTH  ATEC 118  M Chapman
03:35PM 04:25PM  TH  LIBR LRC

The above section is a web-enhanced class. Internet access is required.
Designated laboratory hours are included in the meeting times for this class.

32233  04:15PM 05:40PM  MW  ATEC 118  A Rainey
05:50PM 06:40PM  M  ATEC 118

The above section is a web-enhanced class. Internet access is required.
Designated laboratory hours are included in the meeting times for this class.

CIS-17C  C++ PROGRAMMING: DATA STRUCT  3.00 UNITS
This course presents the essential principles of data structures for the
development of computer programs using C++. (Same as CSC-17C)
ADVISORY: CIS/CSC-17A.

32820  02:30PM 03:55PM  MW  ATEC 118  A Rainey
01:30PM 02:20PM  W  LIBR LRC

The above section is a web-enhanced class. Internet access is required.
Designated laboratory hours are included in the meeting times for this class.

CIS-18B  JAVA PROGRAMMING: ADV. OBJECTS  3.00 UNITS
An advanced programming course in JAVA suitable for business, e-
commerce and gaming applications. (Same as CSC-18B)
ADVISORY: CIS/CSC-18A.

ONLINE
32235  ON  LINE  J Finley

The above section is an online class. Computer with Internet access
required. See www.opencampus.com. All hours, including the 18-hour
laboratory requirement, are completed online.

CIS-21  INTRO OPERATING SYSTEMS  3.00 UNITS
An introduction to operating systems. (Same as CSC-21)
PREREQUISITE: CIS-1A.

EVENING
32247  06:00PM 07:25PM  TTH  ATEC 118  J Oconnor
07:35PM 08:25PM  TH  ATEC 118

The above section is a web-enhanced class. Internet access is required.
Designated laboratory hours are included in the meeting times for this class.

CIS-67  WEB DEVELOPMENT II  3.00 UNITS
An advanced course covering the extension of static web pages through
content management systems, PHP programming, and information storage and
retrieval using databases.
PREREQUISITE: CIS-66.

32251  08:45AM 10:10AM  MW  IT  127  J Oconnor
10:20AM 11:10AM  M  LIBR LRC

The above section is a web-enhanced class. Internet access is required.
Designated laboratory hours are included in the meeting times for this class.

CIS-78B  ADVANCED ADOBE PHOTOSHOP  3.00 UNITS
Advanced techniques and methods for using Adobe Photoshop to produce
custom graphic solutions, including advanced tips and tricks for enhanced
image creation. (Same as CAT-78B)
PREREQUISITE: CIS-78A.

ONLINE
32254  ON  LINE  C Brotherton

The above section is an online class. Computer with Internet access
required. See www.opencampus.com. All hours, including the 18-hour
laboratory requirement, are completed online.

CIS-98A  INTRO TO EXCEL  1.50 UNITS
An introduction to electronic spreadsheets using Excel.
(Same as CAT-98A)
PREREQUISITE: None.

32911  10:30AM 11:55AM  MW  IT  127  B Fuller
12:05PM 02:10PM  M  LIBR LRC
02/17/16 04/06/16  Last day to add: 02/26/16

The above section is a short term web-enhanced class. Internet access is
required. Please note the start and end dates. Designated laboratory hours
are included in the meeting times for this class.

ONLINE
32255  ON  LINE  W Manges

The above section is an online class. Computer with Internet access
required. See www.opencampus.com. All hours, including the 18-hour
laboratory requirement, are completed online.

CIS-98B  ADVANCED EXCEL  1.50 UNITS
Advanced spreadsheet concepts including working with large
spreadsheets, database manipulation, templates and macro preparation
and use. (Same as CAT-98B)
PREREQUISITE: CIS-98A.

32913  10:30AM 11:55AM  MW  IT  127  B Fuller
12:05PM 02:10PM  M  LIBR LRC
04/18/16 06/08/16  Last day to add: 04/22/16

The above section is a short term web-enhanced class. Internet access is
required. Please note the start and end dates. Designated laboratory hours
are included in the meeting times for this class.
CONSTRUCTION TECHNOLOGY

CON-60 INTRO TO CONSTRUCTION 3.00 UNITS
Introduction to materials, techniques and sources of information in building construction.
PREREQUISITE: None.
32893 10:30AM 12:05PM MTWTHF CACT 1 H Lindner 02/16/16 03/04/16
01:05PM 02:40PM MTWTHF CACT 1 Last day to add: 02/17/16
The above section is a short term class. Please note the start and end dates.

CON-62 BLUEPRINT READING 3.00 UNITS
Overview of the basic concepts of reading construction blueprints.
PREREQUISITE: None.
32891 02:50PM 04:15PM MW CACT 1 D Leyva Last day to add: 03/04/16

CON-63A UNIFORM BLDG CODE/ORDIN 3.00 UNITS
Use of uniform building code in plan checking for compliance.
PREREQUISITE: None.
32282 06:30PM 09:40PM W IT 122 J Thomas Last day to add: 03/04/16

CON-63B ANALYSIS OF REVISIONS-UBC 3.00 UNITS
This course is for students who have successfully completed CON-63A but need refreshing on code revisions.
PREREQUISITE: CON-63A.
32283 06:30PM 09:40PM W IT 122 J Thomas Last day to add: 03/04/16

CON-63C ANALYSIS OF REVISIONS-UBC 3.00 UNITS
This course is for students who have successfully completed CON-63A but need refreshing on code revisions.
PREREQUISITE: CON-63A.
32284 06:30PM 09:40PM W IT 122 J Thomas Last day to add: 03/04/16

CON-63D ANALYSIS OF REVISIONS-UBC 3.00 UNITS
This course is for students who have successfully completed CON-63A but need refreshing on code revisions.
PREREQUISITE: CON-63A.
32285 06:30PM 09:40PM W IT 122 J Thomas Last day to add: 03/04/16

CON-64 OFFICE/FIELD INSPECT 3.00 UNITS
Building and safety office management and inspections for compliance.
PREREQUISITE: None.
32286 06:30PM 09:40PM T IT 123 P Link Last day to add: 03/04/16

CON-66 NATIONAL ELEC CODE 3.00 UNITS
Review of electrical codes and code requirements.
PREREQUISITE: None.
32892 02:50PM 04:15PM TTH CACT 1 J Thomas Last day to add: 03/04/16

CON-67 MECHANICAL CODE 3.00 UNITS
Review of mechanical codes and regulations in construction.
PREREQUISITE: None.
32287 06:00PM 09:35PM TH IT 122 J Thomas Last day to add: 02/29/16

CON-69 ENERGY CONSERVATION 1.50 UNITS
Application of current Energy Conservation Standards, regulations and codes to residential building.
PREREQUISITE: None.
32288 06:00PM 09:35PM M IT 123 J Thomas Last day to add: 03/04/16

CON-72 CALIF STATE ACCESSIBILITY 1.50 UNITS
Examines the provisions of Title 24 accessibility standards of the California Uniform Building Code.
PREREQUISITE: None.
32289 06:00PM 09:35PM M IT 123 J Thomas Last day to add: 04/22/16

CON-73 PROJECT PLANNING 3.00 UNITS
General provisions, procedures, specifications and plan processes to carry out the work for site improvement.
PREREQUISITE: None.
32290 06:30PM 09:40PM T IT 122 J Thomas Last day to add: 03/04/16


EARLY CHILDHOOD EDUCATION

EAR-20 CHILD GROWTH AND DEVELOPMENT 3.00 UNITS
A comprehensive overview of concepts, issues and theories of human development from conception through adolescence.
PREREQUISITE: None.

EVENING
32295 02:30PM 03:55PM MW IT 209 S Burnett
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

32293 04:15PM 05:40PM MW IT 209 E Edwards
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

PREREQUISITE: None.

32294 06:00PM 09:10PM W IT 209 A Calloway
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

ONLINE
32797 ONLINE S Burnett
Last day to add: 03/04/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

EAR-28 PRINCIPLES/PRACTICES 3.00 UNITS
An examination of the underlying theoretical principles of developmentally appropriate practices as they apply to various aspects of early childhood education.
PREREQUISITE: None.

32799 10:30AM 01:40PM F IT 209 S Sumiati
02/19/16 06/03/16 Last day to add: 03/01/16
The above section is a short term hybrid class that meets on alternating Fridays beginning 2/19. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

EAR-30 PRACTICUM IN ECE 4.00 UNITS
Supervised student teaching at the Early Childhood Lab School.
PREREQUISITE: EAR-20, 24, 28 and 42.

32298 08:30AM 01:00PM MW TBEC 1 S Burnett
03:35PM 05:40PM TH IT 209
Last day to add: 03/04/16
The above section is a web-enhanced class that has lab hours that will be completed at Temple Beth El, Child Development Center, 2675 Central Avenue, Riverside, 951-682-7282. Internet access is required. TB clearance must be obtained prior to the first day of the semester. Entrance into the Center will not be allowed without clearance. TB tests can be obtained at the Norco College Health Services office. Interns will meet with the instructor during the first week of the semester at Temple Beth El.

32299 08:30AM 12:30PM TTH TBEC 1 S Burnett
03:35PM 05:40PM TH IT 209
Last day to add: 03/04/16
The above section is a web-enhanced class that has lab hours that will be completed at Temple Beth El, Child Development Center, 2675 Central Avenue, Riverside, 951-682-7282. Internet access is required. TB clearance must be obtained prior to the first day of the semester. Entrance into the Center will not be allowed without clearance. TB tests can be obtained at the Norco College Health Services office. Interns will meet with the instructor during the first week of the semester at Temple Beth El.

EAR-38 ADULT SUPERVISION MENTOR ECE 3.00 UNITS
Methods and principles of supervising student teachers, volunteers, staff, and other adults in early care and education settings. Emphasis is on the roles and development of early childhood professionals as mentors and leaders.
PREREQUISITE: None.

EVENING
32798 06:00PM 09:35PM TH IT 209 T Oliver
02/18/16 06/02/16 Last day to add: 02/29/16
The above section is a web-enhanced class. Internet access is required.

EAR-42 CHILD, FAMILY, AND COMMUNITY 3.00 UNITS
An examination of the developing child in a societal context focusing on child, family, and the community with an emphasis on historical and socio-cultural factors.
PREREQUISITE: None.

32301 02:00PM 05:10PM T IT 209 L Vazquez
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.
## ECONOMICS

### ECO-4 INTRO ECONOMICS 3.00 UNITS
An entry-level, general education course which introduces and surveys basic macroeconomic and microeconomic principles.  
**PREREQUISITE:** None.  
32304 08:00AM 09:25AM  TTH  ATEC 211  C Rajakone  
Last day to add: 03/04/16  
32303 10:30AM 11:55AM  MW  IT  109  P Boelman  
Last day to add: 03/04/16  
The above section is a web-enhanced class. Internet access is required.

### ECO-7 MACROECONOMICS 3.00 UNITS
Economic theory and analysis as applied to the U.S. economy as a whole.  
**PREREQUISITE:** MAT-52.  
**ADVISORY:** MAT-35 and qualification for ENG-1A.  
32306 09:40AM 11:05AM  TTH  IT  117  P Boelman  
Last day to add: 03/04/16  
The above section is a web-enhanced class. Internet access is required.  
32800 02:30PM 03:55PM  MW  HUM 103  P Boelman  
Last day to add: 03/04/16  
The above section is a web-enhanced class. Internet access is required.

### ECO-8 MICROECONOMICS 3.00 UNITS
Economic theory and analysis applied to consumer and producer behavior in markets.  
**PREREQUISITE:** MAT-52.  
**ADVISORY:** MAT-35 and qualification for ENG-1A.  
32309 11:15AM 12:40PM  TTH  IT  117  P Boelman  
Last day to add: 03/04/16  
The above section is a web-enhanced class. Internet access is required.  
32308 12:45PM 02:10PM  MW  IT  117  P Boelman  
Last day to add: 03/04/16  
The above section is a web-enhanced class. Internet access is required.

## ELECTRONICS

### ELE-11 DC ELECTRONICS 4.00 UNITS
Basic DC electrical theory, devices, circuits and applications including resistors, capacitors, coils and motors.  
**PREREQUISITE:** None.  
32897 08:00AM 10:50AM  MTWTHF  CACT 1  K Mosley  
03/07/16 03/30/16  
The above section is a short term class. Please note the start and end dates.  
32310 06:30PM 09:40PM  M  CACT 1  G Graham  
06:30PM 09:40PM  W  CACT 1  Last day to add: 03/04/16  

### ELE-26 MICROPROCESSORS, MICROCONTROLL 4.00 UNITS
Introduction to microprocessors and microcontrollers.  
**PREREQUISITE:** None.  
**ADVISORY:** ELE-25.  
32899 08:00AM 10:50AM  MTWTHF  IT  124  Staff  
11:00AM 11:50AM  MTWTHF  IT  124  
12:50PM 02:40PM  MTWTHF  IT  124  
04/01/16 05/03/16  
The above section is a short term class. Please note the start and end dates.

### ELE-27 TECHNICAL COMMUNICATIONS 3.00 UNITS
Procedures for organizing and presenting technical data.  
(Same as ENE-27)  
**PREREQUISITE:** None.  
32903 08:00AM 11:50AM  MTWTHF  IT  124  G Balteria  
12:50PM 02:40PM  MTWTHF  IT  124  
05/04/16 05/14/16  
The above section is a short term class. Please note the start and end dates.

### ELE-28 MULTISIM CAD & PCB DESIGN/FAB 3.00 UNITS
MultiSim (CAD) schematic capture, simulation, printed circuit board (PCB) design and fabrication.  
**PREREQUISITE:** None.  
32869 02:15PM 04:05PM  W  IRT TC1  K Rad  
05/05PM 08:10PM  W  IRT TC1  
05/04/16 03/04/16  
The above section is reserved for employees of International Rectifier and will be delivered at their place of business in Temecula, CA.

### ELE-64 PROGRAMMABLE LOGIC CONTROLLERS 3.00 UNITS
Fundamentals of programmable logic controllers. Programming, installation, maintenance, troubleshooting and repair of PLC systems.  
(Same as MAN-64)  
**PREREQUISITE:** None.  
**ADVISORY:** ELE-10 or 21.  
32905 03:30PM 06:20PM  T  IT  124  Staff  
03:30PM 05:35PM  TH  IT  124  
05:35PM 05:50PM  TH  IT  124  
03/04/16  
The above section is a short term class. Please note the start and end dates.

### ELE-71 RESIDENTIAL ELECTRICAL WIRING 4.00 UNITS
The foundations of electrical wiring for residential dwellings.  
**PREREQUISITE:** None.  
32895 08:00AM 10:50AM  MTWTHF  CACT 1  D Hines  
11:50AM 02:40PM  MTWTHF  CACT 1  
04/01/16 05/03/16  
The above section is a short term class. Please note the start and end dates.
ELE-72 COMMERCIAL/INDUSTRY ELECTRICAL  4.00 UNITS
Wiring commercial and industrial buildings that use metal or concrete walls. (Same as MAN-72)
PREREQUISITE: None.

**EVENING**
32886  06:30PM 07:55PM  TTH  CACT 1  T Childers
08:05PM 09:30PM  TTH  CACT 1
Last day to add: 03/04/16

ELE-73 ELECTRIC MTRS FOR ELECTRICIANS  4.00 UNITS
Prepares workers to plan, wire, measure and troubleshoot most standard motor types, with selected hands-on lab experiences. (Same as MAN-73)
PREREQUISITE: None.

32896  08:00AM 10:50AM  MTWTHF  CACT 1  D Hines
11:00AM 11:50AM  MTWTHF  IT  124  D Hines
05/04/16 05/27/16  Last day to add: 05/08/16
The above section is a short term class. Please note the start and end dates.

ELE-77 SURVEY OF ELECTRICAL TRADES  4.00 UNITS
Introduces students to opportunities and responsibilities in ten primary electrical trades. (Same as MAN-77)
PREREQUISITE: None.

32900  08:00AM 10:50AM  MTWTHF  IT  124  G Balteria
11:00AM 11:50AM  MTWTHF  IT  124
03/07/16 03/30/16  Last day to add: 03/09/16
The above section is a short term class. Please note the start and end dates.

ELE-91 FUNDAMENTALS OF SOLAR ENERGY  3.00 UNITS
Fundamental solar energy principles and systems.
PREREQUISITE: None.

**EVENING**
32313  06:00PM 09:35PM  TH  IT  124  Staff
02/18/16 06/02/16  Last day to add: 02/29/16
The above section is a short term class. Please note the start and end dates.

ENE-21 DRAFTING  3.00 UNITS
Fundamentals of mechanical drawing including lettering, instruments, projection, freehand drawing, and auxiliary views.
PREREQUISITE: None.

32315  02:00PM 03:25PM  T  ATEC 109  G Cordier
03:30PM 05:35PM  T  ATEC 109
02:00PM 05:10PM  TH  ATEC 109
Last day to add: 03/04/16

**EVENING**
32314  06:00PM 07:25PM  M  ATEC 109  E Moran
07:30PM 09:35PM  M  ATEC 109
06:00PM 09:10PM  W  ATEC 109
Last day to add: 03/04/16

ENE-22 ENGINEERING DRAWING  3.00 UNITS
Drafting fundamentals reviewed geometric construction, orthographic projections, freehand sketching, sectioning, etc.
PREREQUISITE: ENE-21.
ADVISORY: ENE-30.

**EVENING**
32317  06:00PM 07:25PM  M  IT  127  G Cordier
07:30PM 09:35PM  M  IT  127
06:00PM 09:10PM  W  IT  127
Last day to add: 03/04/16

ENE-27 TECHNICAL COMMUNICATIONS  3.00 UNITS
Procedures for organizing and presenting technical data.
(Same as ELE-27)
PREREQUISITE: None.

32902  08:00AM 11:50AM  MTWTHF  IT  124  D Hines
12:50PM 02:40PM  MTWTHF  IT  124
05/04/16 05/16/16  Last day to add: 05/04/16
The above section is a short term class. Please note the start and end dates.

ENE-28 TECHNICAL DESIGN  3.00 UNITS
Study of industrial design and drafting procedures relating to the basic elements of mechanisms.
PREREQUISITE: ENE-22.
ADVISORY: ENE-30, 42 and 52.

**EVENING**
32318  06:00PM 07:25PM  M  IT  127  G Cordier
07:30PM 09:35PM  M  IT  127
06:00PM 09:10PM  W  IT  127
Last day to add: 03/04/16

ENE-30 COMPUTER AIDED DRAFTING  3.00 UNITS
Two-dimensional computer-aided drafting, using AUTOCAD.
PREREQUISITE: None.
ADVISORY: CIS-1A.

32320  02:20PM 03:45PM  M  IT  125  S Hall
03:45PM 05:50PM  M  IT  125
02:20PM 05:30PM  W  IT  125
Last day to add: 03/04/16

**EVENING**
32319  06:00PM 07:25PM  T  IT  127  G Cordier
07:30PM 09:35PM  T  IT  127
06:00PM 09:10PM  TH  IT  127
Last day to add: 03/04/16

ENE-35 STATICS  3.00 UNITS
Forces, free-body diagrams, moments of inertia, friction, second moments and analytical and graphical problem solving.
PREREQUISITE: PHY-4A.

32872  09:00AM 12:10PM  W  ATEC 109  P Silva
Last day to add: 03/04/16

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17
ENE-42  SOLIDWORKS I  3.00 UNITS
Basic parametric solid modeling techniques using SolidWorks and advancing into complex assemblies requiring animation.
PREREQUISITE: None.
ADVISORY: PC computer experience.

32322  02:00PM 03:25PM  T  IT 125  C Garcia
03:30PM 05:35PM  T  IT 125
02:00PM 05:10PM  TH  IT 125

EVENING
32321  06:00PM 07:25PM  T  IT 125  C Garcia
07:30PM 09:20PM  T  IT 125
06:00PM 09:10PM  TH  IT 125

ENE-42B  SOLIDWORKS II  3.00 UNITS
This course is designed to further 3D parametric solid modeling software techniques learned in SolidWorks I.
PREREQUISITE: ENE-42 or prior SolidWorks experience.

EVENING
32323  06:00PM 07:25PM  M  IT 125  C Garcia
07:30PM 09:20PM  M  IT 125
06:00PM 09:10PM  W  IT 125

ENE-51  BLUEPRINT READING  2.00 UNITS
Beginning course in blueprint reading. This course is designed for the machine trades.
PREREQUISITE: None.

32898  10:30AM 12:05PM  MTWTHF  IT 124  G Cordier
01:05AM 02:40AM  MTWTHF  IT 124
02/16/16 03/04/16  Last day to add: 02/17/16
The above section is a short term class. Please note the start and end dates.

ENE-52  GEOMETRIC DIMEN & TOLER  2.00 UNITS
Covers international standards regarding form and fit using industry and government standards.
PREREQUISITE: None.

32324  03:10PM 05:15PM  W  IT 127  G Cordier

ENE-60  MATH FOR ENGINEERING TECH  3.00 UNITS
Math problems used in industry, including basic arithmetic, algebra, geometry and trigonometry.
PREREQUISITE: None.

32901  02:50PM 04:15PM  MW  IT 124  Staff

ENGLISH

ENG-1A  ENGLISH COMPOSITION  4.00 UNITS
Teaches college-level critical reading, academic writing, and research skills.
PREREQUISITE: ENG-50 or 80 or qualifying placement level.

32333  08:15AM 10:20AM  MW  HUM 102  T Cortina

The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

32330  08:15AM 10:20AM  TTH  IT 211  J Gianunzio

The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times. This section is taught with a thematic approach to the course: Social Control. For additional information, please email jessica.dobson@rccd.edu

32331  10:30AM 12:35PM  MW  IT 208  J Dobson

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www.norccollegebookstore.com
The above section has reading and writing assignments focusing on the Chicano experience and is designed for students in the Puente Program. See the instructor and a counselor before enrolling. This section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

32345 10:30AM 12:35PM TTH ST 108 J Gianunzio Last day to add: 03/04/16
In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

32342 03:00PM 05:05PM MW STEM 302 C Rosales Last day to add: 03/04/16
In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

32344 12:45PM 02:50PM MW IT 111 T Cortina Last day to add: 03/04/16
In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

32346 12:45PM 02:50PM MW ST 108 C Brownell Last day to add: 03/04/16
In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

32877 12:45PM 02:00PM MWF IT 108 S Santoro Last day to add: 03/04/16
In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.
The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. Internet access is required. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.

The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

The above section is designed with special emphasis on African American culture. See the instructor and T3P counselor before enrolling. This section develops students' critical thinking, reading, and writing skills beyond the level achieved in ENG-1A.

The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.

The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. Internet access is required. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.
<table>
<thead>
<tr>
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<td>12:45PM 02:00PM</td>
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<td>L Hernandez</td>
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<td>32357</td>
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<td>03/04/16</td>
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<td>32359</td>
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<td>IT 206</td>
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<td>03/04/16</td>
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<td>32356</td>
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<td>IT 210</td>
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<td>03/04/16</td>
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<td>32361</td>
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<td>32844</td>
<td>MW</td>
<td>04:15PM 05:40PM</td>
<td>STEM 125</td>
<td>D Mills</td>
<td>03/04/16</td>
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</table>

**ENG-1BH**  
**HON CRITICAL THINK/WRIT**  
**4.00 UNITS**  

An Honors course that emphasizes argument, analysis, and the student of literature, developing critical thinking, reading, and writing skills beyond the level achieved in ENG-1A or 1AH.  
**PREREQUISITE:** ENG-1A or 1AH.  
**LIMITATION ON ENROLLMENT:** Enrollment in the Honors Program.

**ENG-11**  
**CREATIVE WRITING**  
**3.00 UNITS**  

Studies in the principles of writing fiction and poetry.  
**PREREQUISITE:** ENG-1A or 1AH.
ENG-41  WRLD LIT II: 17TH CEN-PRESENT  3.00 UNITS
Significant works of world literature from the seventeenth century through
the present with special emphasis on literature in translation.
PREREQUISITE: ENG-50 or 80 or eligibility for ENG-1A.
ADVISORY: ENG-1B or 1BH.
32843  02:00PM 03:25PM  TTH  IT  108  A Moore
Last day to add: 03/04/16

ENG-44  POETRY-20TH CEN TO PRESENT  3.00 UNITS
Study of major voices and trends in poetry of the twentieth and twenty-first
century, including poetic structure and development and thematic
elements.
PREREQUISITE: None.
ADVISORY: ENG-1B or 1BH.
32845  11:15AM 12:40PM  TTH  IT  108  K Anderson
Last day to add: 03/04/16

ENG-48  SHORT STORY/NOVEL-20TH CEN  3.00 UNITS
A study of prose fiction from the twentieth century to the present,
emphasizing significant formal developments and thematic concerns of
prose narrative of the last century.
PREREQUISITE: None.
ADVISORY: ENG-1B or 1BH.
32853  10:30AM 11:55AM  MW  IT  210  L Nelson
Last day to add: 03/04/16

ENG-50  BASIC ENGLISH COMP  4.00 UNITS
Prepares students for college-level reading and academic writing.
PREREQUISITE: ENG-60B, ESL-55 or qualifying placement level.
ADVISORY: REA-82 or qualifying placement level.
32880  08:15AM 10:20AM  TTH  ST  108  D Reade
Last day to add: 03/04/16
The above section has an 18-hour laboratory requirement to be arranged.
In addition to the time spent in class, students are required to attend the
Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor
to schedule these sessions. Required lab attendance begins the first week
of the term. See WebAdvisor for available WL-LAB times.

32379  08:15AM 10:20AM  TH  HUM  102  C Miter
Last day to add: 03/04/16
The above section is a hybrid class and has an 18-hour laboratory
requirement to be completed online. Computer with Internet access
required. See www.opencampus.com.

32377  10:30AM 12:35PM  T  HUM  102  C Miter
Last day to add: 03/04/16
The above section is a hybrid class and has an 18-hour laboratory
requirement to be completed online. Computer with Internet access
required. See www.opencampus.com.

32371  10:30AM 12:35PM  TTH  ATEC 109  D Reade
Last day to add: 03/04/16
The above section has an 18-hour laboratory requirement to be arranged.
In addition to the time spent in class, students are required to attend the
Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor
to schedule these sessions. Required lab attendance begins the first week
of the term. See WebAdvisor for available WL-LAB times.

32366  10:30AM 12:35PM  W  ST  108  C Miter
Last day to add: 03/04/16
The above section is a hybrid class and has an 18-hour laboratory
requirement to be completed online. Computer with Internet access
required. See www.opencampus.com.

32378  10:30AM 12:35PM  TH  HUM  102  C Miter
Last day to add: 03/04/16
The above section is a hybrid class and has an 18-hour laboratory
requirement to be completed online. Computer with Internet access
required. See www.opencampus.com.

32370  12:45PM 02:50PM  MW  IT  206  S Hanson
Last day to add: 03/04/16
The above section is a web-enhanced class and has an 18-hour laboratory
requirement to be arranged. Internet access is required. In addition to the
time spent in class, students are required to attend the Writing Lab in IT
121 for 50-minutes each week, and must use WebAdvisor to schedule
these sessions. Required lab attendance begins the first week of the term.
See WebAdvisor for available WL-LAB times.

32379  02:00PM 04:05PM  TTH  HUM  102  D Hogan
Last day to add: 03/04/16
The above section has an 18-hour laboratory requirement to be arranged.
In addition to the time spent in class, students are required to attend the
Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor
to schedule these sessions. Required lab attendance begins the first week
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<td>32372</td>
<td>03:00PM 05:05PM</td>
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<td>32387</td>
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<td>32383</td>
<td>10:30AM 12:35PM</td>
<td>MW</td>
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<td>32384</td>
<td>09:00AM 09:50AM</td>
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<td>32382</td>
<td>02:00PM 04:05PM</td>
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<td>32881</td>
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<td>32386</td>
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<td>MW</td>
<td>IT 111</td>
<td>D Chaffin</td>
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The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. Internet access is required. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

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The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

**Evening**

32385  05:30PM 07:35PM  MW  IT  111  D Chaffin  
Last day to add: 03/04/16  
The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

32888  08:00AM 10:50AM  MWF  IT  111  D Mills  
11:00AM 11:50AM  MW  IT  121  
04/18/16 06/08/16  Last day to add: 04/24/16  
The above section is a short term class. Please note the start and end dates. Designated laboratory hours are included in the meeting times for this class.

32390  08:15AM 10:20AM  TTH  STEM 302  Staff  
Last day to add: 03/04/16  
The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

32887  09:00AM 09:50AM  MW  IT  121  K Anderson  
10:30AM 10:30PM  MWF  IT  110  
04/18/16 06/08/16  Last day to add: 04/24/16  
The above section is a short term class. Please note the start and end dates. Designated laboratory hours are included in the meeting times for this class.

32395  10:30AM 12:35PM  TTH  STEM 302  Staff  
Last day to add: 03/04/16  
The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

**ENG-60B  ENGL FUND: PARAGRAPH TO ESSAY  4.00 UNITS**

This course advances basic reading, writing, and grammar skills via the production of paragraphs and short essays.  
PREREQUISITE: ENG-60A or qualifying placement level.

32388  02:00PM 04:05PM  TTH  IT  123  R Marsh  
Last day to add: 03/04/16  
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. Internet access is required. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

32391  02:00PM 04:05PM  TTH  IT  111  Staff  
Last day to add: 03/04/16  
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. Internet access is required. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

32392  03:00PM 05:05PM  MW  IT  110  M Pelle  
Last day to add: 03/04/16  
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. Internet access is required. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

32394  04:15PM 06:20PM  TTH  ST  108  D Hogan  
Last day to add: 03/04/16  
The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.
ENG-80 PREPARATORY COMPOSITION 6.00 UNITS
 Prepares students for college-level reading, writing, and critical thinking.
 (Non-degree credit course.)
 PREREQUISITE: None.

ENG-80 is an intensive accelerated course which provides an alternative option preparing students for entrance into ENG-1A.

All sections of ENG-80 have an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco Writing Lab in IT 121 for 50 minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See http://www.norcocollege.edu/academics/lrc/writinglab for hours of operation.

32397 08:05AM 09:30AM MTWTH IT 108 M Bader
 Last day to add: 03/04/16

The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times. This section is taught with a thematic approach to the course: Technology Overload. For additional information, please email melissa.bader@norcocollege.edu.

32399 08:15AM 10:20AM MWF ST 108 A Elizalde
 Last day to add: 03/04/16

The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times. This section is taught with a thematic approach to the course: Politics and Health. For additional information, please email andres.elizalde@norcocollege.edu.

32400 10:30AM 12:35PM MWF IT 123 A Elizalde
 Last day to add: 03/04/16

The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times. This section is taught with a thematic approach to the course: Politics and Health. For additional information, please email andres.elizalde@norcocollege.edu.

32401 10:30AM 11:55AM MTWTH IT 206 T Comstock
 Last day to add: 03/04/16

The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times. This section is taught with a thematic approach to the course: Motivation and Human Psychology. For additional information, please email tami.comstock@norcocollege.edu.

# ENGLISH AS A SECOND LANGUAGE
SHAPED AREAS INDICATE POSSIBLE COURSE PLACEMENTS

<table>
<thead>
<tr>
<th>ORAL COMMUNICATION</th>
<th>READING &amp; VOCABULARY</th>
<th>WRITING &amp; GRAMMAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESL-01 ORAL SKILLS BEGINNING</td>
<td>ESL-02 READING &amp; VOCABULARY BASIC</td>
<td>ESL-05 WRITING &amp; GRAMMAR BASIC</td>
</tr>
<tr>
<td>ESL-03 ORAL SKILLS INTERMEDIATE</td>
<td>ESL-04 READING &amp; VOCABULARY INTERMEDIATE</td>
<td>ESL-06 WRITING &amp; GRAMMAR INTERMEDIATE</td>
</tr>
<tr>
<td>ESL-05 ORAL SKILLS ADVANCED</td>
<td>ESL-07 READING &amp; VOCABULARY ADVANCED</td>
<td>ESL-08 WRITING &amp; GRAMMAR ADVANCED</td>
</tr>
</tbody>
</table>

*Indicates UC/CC Transferable Course
**Associate Degree Applicable Only

# MOVING THROUGH ENGLISH, ESL & READING

ENGLISH COMPOSITION

- ENG-46A ENGLISH FUNDAMENTALS: SENTENCE TO PARAGRAPH
- ENG-46B ENGLISH FUNDAMENTALS: PARAGRAPH TO ESSAY
- ENG-50A BASIC ENGLISH COMPOSITION
- ENG-51A ENGLISH COMPOSITION
- ENG-18 CRITICAL THINKING & WRITING

*IT IS RECOMMENDED THAT STUDENTS TALK TO THEIR ADVISOR OR AN INSTRUCTOR TO DETERMINE THE APPROPRIATE READING LEVEL.

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ENGLISH AS A SECOND LANGUAGE

ESL-51 BASIC WRITING AND GRAMMAR 4.00 UNITS
A beginning ESL course for non-native speakers focusing on basic academic writing and grammar skills.
(Non-degree credit course. Pass-No Pass only.)
PREREQUISITE: None.

\[ \text{EVENING} \]
32812 06:30PM 08:35PM TTH LIBR 110 L Tougas
08:45PM 09:35PM TH LIBR 110
Last day to add: 03/04/16

Designated laboratory hours are included in the meeting times for this class.

ESL-52 LOW-INTERMED WRITING/GRAMMAR 4.00 UNITS
A low-intermediate ESL course for non-native speakers focusing on academic writing and grammar skills.
(Non-degree credit course. Pass-No Pass only.)
PREREQUISITE: Qualifying placement level on a state-approved placement instrument, or successful completion of ESL-51.

32403 08:15AM 10:20AM MW IT 211 M Shirinian
10:30AM 11:20AM W IT 211
Last day to add: 03/04/16

Designated laboratory hours are included in the meeting times for this class.

ESL-53 INTERMED WRITING/GRAMMAR 4.00 UNITS
An intermediate English as a Second Language course for non-native speakers focusing on academic writing and grammar skills.
(Non-degree credit course. Pass-No Pass only.)
PREREQUISITE: Qualifying placement level on a state-approved placement instrument, or successful completion of ESL-52.

32404 11:15AM 12:05PM M IT 211 M Shirinian
12:15PM 02:20PM MW IT 211
Last day to add: 03/04/16

Designated laboratory hours are included in the meeting times for this class.

ESL-54 HIGH-INTERMED WRITING/GRAMMAR 5.00 UNITS
A high-intermediate English as a Second Language course for non-native speakers of English focusing on academic grammar and writing skills, especially paragraph development.
(Degree credit course. Letter Grade, or Pass/No Pass option.)
PREREQUISITE: Qualifying placement level on a state-approved placement instrument, or successful completion of ESL-53.

32405 09:40AM 12:10PM TTH IT 123 M Shirinian
Last day to add: 03/04/16

The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

ESL-55 ADVANCED WRITING/GRAMMAR 5.00 UNITS
An advanced English as a Second Language course for non-native speakers of English focusing on college-level grammar and academic writing skills, especially essay development.
(Degree credit course. Letter Grade, or Pass/No Pass option.)
PREREQUISITE: Qualifying placement level on a state-approved placement instrument, or successful completion of ESL-54.

\[ \text{EVENING} \]
32406 06:00PM 08:30PM TTH IT 211 R Rader
Last day to add: 03/04/16

The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

ESL-93 ADV ORAL COMMUNICATION 3.00 UNITS
An advanced conversation, idioms and pronunciation course for English as a Second Language students.
(Degree credit course. Letter grade, or Pass-No Pass option.)
PREREQUISITE: None.
ADVISORY: Concurrent enrollment in ESL-54, 55 or ENG-50.

\[ \text{EVENING} \]
32813 06:30PM 08:35PM M HUM 102 D Tougas
06:30PM 07:20PM W HUM 102
07:30PM 08:20PM W HUM 102
Last day to add: 03/04/16

Designated laboratory hours are included in the meeting times for this class.

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FRENCH

ENROLLMENT GUIDELINES
FRENCH

1. If you have taken French in high school or in another college or university, you must have official transcripts on file and request evaluation of the course(s) in order to enroll above level 1.
2. If you have acquired knowledge of French outside of a formal educational institution, you must file a matriculation appeals petition in order to enroll above level 1.

FRE-1 FRENCH 1 5.00 UNITS
Develops basic skills in understanding, reading, communicating and writing in French.
PREREQUISITE: None.

EVENING
32408 06:20PM 09:30PM M LIBR 109 C Nguyen
06:20PM 08:25PM W LIBR 121
08:35PM 09:25PM W LIBR 121
Last day to add: 03/04/16

Designated laboratory hours are included in the meeting times for this class.

FRE-2 FRENCH 2 5.00 UNITS
Further development of basic skills in understanding, reading, communicating and writing in French.
PREREQUISITE: FRE-1.

32819 11:45AM 01:50PM M LIBR 121 D Hitchcock
02:00PM 02:50PM M LIBR 121
11:45AM 02:55PM W LIBR 109
Last day to add: 03/04/16

Designated laboratory hours are included in the meeting times for this class.

GAME DEVELOPMENT

GAM-21 HISTORY OF VIDEO GAMES 3.00 UNITS
A comprehensive study of the evolution of video games throughout history including arcade games, console games, computer games and mobile applications.
PREREQUISITE: None.

32409 07:10AM 08:35AM MW IT 125 J Coverdale
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

32410 11:15AM 12:40PM TTH IT 125 J Coverdale
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

GAM-23 DIGITAL GAME DESIGN 4.00 UNITS
Digital game design including planning, designing and developing an original digital game. Topics include analyzing the target audience, pitching an original game concept, design documentation, the iterative process, and rapid digital prototyping.
PREREQUISITE: GAM-22.

EVENING
32411 06:00PM 09:10PM W ATEC 118 M Chapman
09:20PM 10:10PM W LIBR LRC
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

GAM-31 INTRODUCTION TO 3D MODELING 3.00 UNITS
Introduction to the concepts of 3D modeling in a virtual environment. Students will create original three-dimensional computer generated models of organic or mechanical design.
PREREQUISITE: None.

32412 09:40AM 11:05AM TTH IT 125 G Marquez
11:15AM 12:05PM TH LIBR LRC
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

GAM-32 DESIGNING GAME CHARACTERS 3.00 UNITS
Students will learn the production workflow of Maya to ZBrush while focusing on character design principles, low poly modeling and the creation of both bipedal and quadruped characters.
PREREQUISITE: GAM-31 or GAM/CIS-38A.
ADVISORY: GAM-72.

32413 08:00AM 09:25AM TTH IT 125 G Marquez
07:00AM 07:50AM TH LIBR LRC
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

GAM-35 INTRO COMPUTER GAME DEV 3.00 UNITS
An introduction to computer gaming. Students will explore the job market, career paths and business aspects of gaming professions.
PREREQUISITE: None.

32416 02:00PM 03:25PM TTH IT 202 J Coverdale
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access required.

ONLINE
32414 ONLINE J Finley
Last day to add: 03/04/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

ONLINE
32415 ONLINE J Finley
Last day to add: 03/04/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

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27
GAM-42 PHOTOSHOP FOR GAME ART 3.00 UNITS
Introduction to Adobe Photoshop including mastery of digital image editing and techniques for painting custom textures for game art and animation.
PREREQUISITE: None.
32417 12:45PM 02:10PM MW IT 125 C Koestler
02:20PM 03:10PM M LIBR LRC
Last day to add: 03/04/16

The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

GAM-44 PORTFOLIO PRODUCTION 2.00 UNITS
Creative organization and presentation of a body of work exhibiting portfolio-quality aptitude. Students will edit existing work to emphasize individual strengths and areas of specialization and create an electronic portfolio including a website.
PREREQUISITE: GAM-23 or GAM-32 or GAM-46 OR GAM-48 OR GAM 52 OR MUC-6 OR (ART-22, 39, CIS-59, 66, 78B, 79 AND 81) OR (CIS-68 AND 75).
32418 04:15PM 05:20PM TH IT 202 T Dunipace
05:30PM 09:05PM TH IT 202
02/18/16 06/02/16 Last day to add: 02/29/16

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates. Designated laboratory hours are included in the meeting times for this class.

GAM-45 MATERIALS AND LIGHTING 3.00 UNITS
An intermediate class with a strong focus in applications of lighting and lighting theory, materials and texture mapping of both procedural and bitmap textures utilizing both software and mental ray render engines for game environments.
PREREQUISITE: GAM-31 or GAM/CIS-38A.

GAM-49 GAME MODELING AND TEXTURING 3.00 UNITS
An intermediate 3D modeling class focusing on low poly modeling and texture mapping for games. Topics include the basics of lighting an object, advanced Photoshop skills and presentation skills.
PREREQUISITE: GAM-31 or CIS/GAM-38A and one of the following, CIS-78A or GAM-42.
32419 08:45AM 10:10AM MW IT 125 M Williams
10:30AM 11:20AM W LIBR LRC
Last day to add: 03/04/16

The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

GAM-50 INTRO TO GAME PROGRAMMING 3.00 UNITS
A first course in programming for games stressing fundamental programming principles. Computer programming logic is introduced with hands on game development projects using an industry standard game engine. No previous computer programming experience is required. (Same as CIS-50)
PREREQUISITE: None.
32421 08:00AM 09:25AM TTH IT 202 J Finley
09:35AM 10:25AM TH LIBR LRC
Last day to add: 03/04/16

The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

GAM-51 GAME MECHANICS AND SIMULATION 3.00 UNITS
Introduction to practical applications of mathematics and physics techniques for various areas of video game programming including game engine programming and gameplay scripting.
PREREQUISITE: MAT-35 and CIS/CSC-5 or GAM/CIS-50.
32422 02:30PM 03:35PM M IT 202 J Ruiz
02:30PM 03:20PM W IT 202
03:30PM 04:20PM W IT 202
Last day to add: 03/04/16

The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

GAM-53 GAME ENGINE SCRIPTING II 3.00 UNITS
Extended concepts in core programming as it pertains to game engine scripting. Advanced concepts in scripted languages are explored to allow for more complex simulations to further drive industry standard game engines. (Same as CSC-53)
PREREQUISITE: CSC/GAM-52.
ADVISORY: CIS/GAM-37.
32423 08:45AM 10:10AM MW IT 202 J Finley
07:45AM 08:35AM W LIBR LRC
Last day to add: 03/04/16

The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

GAM-72 ANATOMY FOR GAME ART 3.00 UNITS
PREREQUISITE: ART-17.
32424 08:45AM 10:55AM F ATEC 209 T Dunipace
11:05AM 02:25PM F ATEC 209
02/19/16 06/03/16 Last day to add: 03/01/16

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates. Designated laboratory hours are included in the meeting times for this class.
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GAM-79A</td>
<td>GAME STUDIO: ANIMATION</td>
<td>4.00</td>
<td>This is the culminating class in the area of animation for game development. Students work in interdisciplinary teams to develop an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables. <strong>PREREQUISITE:</strong> GAM-48.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>32425 08:00AM 11:20AM F IT 125 J Ruiz 11:50AM 03:10PM F IT 125 02/19/16 06/03/16 Last day to add: 03/01/16 The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates. Designated laboratory hours are included in the meeting times for this class.</td>
</tr>
<tr>
<td>GAM-79B</td>
<td>GAME STUDIO: CHARACTER MODELING</td>
<td>4.00</td>
<td>This is the culminating class in the area of character modeling for game art. Students work in interdisciplinary teams to develop an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables. <strong>PREREQUISITE:</strong> GAM-34.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>32426 08:00AM 11:20AM F IT 125 J Ruiz 11:50AM 03:10PM F IT 125 02/19/16 06/03/16 Last day to add: 03/01/16 The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates. Designated laboratory hours are included in the meeting times for this class.</td>
</tr>
<tr>
<td>GAM-79C</td>
<td>GAME STUDIO: ENVIRONMENTS</td>
<td>4.00</td>
<td>This is the culminating class in the area of developing environments and vehicles for games. Students work in interdisciplinary teams to develop an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables. <strong>PREREQUISITE:</strong> GAM-46.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>32427 08:00AM 11:20AM F IT 125 J Ruiz 11:50AM 03:10PM F IT 125 02/19/16 06/03/16 Last day to add: 03/01/16 The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates. Designated laboratory hours are included in the meeting times for this class.</td>
</tr>
<tr>
<td>GAM-79D</td>
<td>GAME STUDIO: AUDIO</td>
<td>4.00</td>
<td>This is the culminating class in the area of game audio. Students work in interdisciplinary teams to develop an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables. <strong>PREREQUISITE:</strong> MUC-6.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>32428 08:00AM 11:20AM F IT 125 J Ruiz 11:50AM 03:10PM F IT 125 02/19/16 06/03/16 Last day to add: 03/01/16 The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates. Designated laboratory hours are included in the meeting times for this class.</td>
</tr>
<tr>
<td>GAM-79E</td>
<td>GAME STUDIO: GAME DESIGN</td>
<td>4.00</td>
<td>This is the culminating class in the area of game design. Students work in interdisciplinary teams to develop an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables. <strong>PREREQUISITE:</strong> GAM-23.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>32429 08:00AM 11:20AM F IT 125 J Ruiz 11:50AM 03:10PM F IT 125 02/19/16 06/03/16 Last day to add: 03/01/16 The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates. Designated laboratory hours are included in the meeting times for this class.</td>
</tr>
<tr>
<td>GAM-79F</td>
<td>GAME STUDIO: GAME PROGRAMMING</td>
<td>4.00</td>
<td>This is the culminating class in the game programming track. Students work in interdisciplinary teams to develop an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables. <strong>PREREQUISITE:</strong> CIS/CSC-17B, CIS/CSC-18B or GAM/CSC-52.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>32430 08:00AM 11:20AM F IT 125 J Ruiz 11:50AM 03:10PM F IT 125 02/19/16 06/03/16 Last day to add: 03/01/16 The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates. Designated laboratory hours are included in the meeting times for this class.</td>
</tr>
<tr>
<td>GEOGRAPHY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEG-1</td>
<td>PHYSICAL GEOGRAPHY</td>
<td>3.00</td>
<td>The interacting physical processes of air, water, land, and life which impact Earth's surface. <strong>PREREQUISITE:</strong> None.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>32431 08:45AM 10:10AM MW ATEC 114 J Eckstein Last day to add: 03/04/16</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>32432 09:40AM 11:05AM TTH ATEC 205 J Eckstein Last day to add: 03/04/16</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>32434 10:30AM 11:55AM MW ATEC 114 J Eckstein Last day to add: 03/04/16</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>32433 06:30PM 07:55PM MW ATEC 205 Staff Last day to add: 03/04/16</td>
</tr>
</tbody>
</table>

**WARNING!**

*Registration will be blocked if you have not met the prerequisite!*
GEG-1L PHYSICAL GEOGRAPHY LAB 1.00 UNITS
Practical application of physical geography principles through geographically based in-class exercises.
PREREQUISITE: None.
COREQUISITE: Concurrent enrollment in or prior completion of GEG-1 or 1H.

32436  08:00AM 09:25AM  TTH ATEC 205  E Ogbuchiekwe
Last day to add: 03/04/16

32435  10:30AM 11:55AM  MW  ATEC 205  R Christov
Last day to add: 03/04/16

32437  12:45PM 02:10PM  MW  ATEC 205  R Christov
Last day to add: 03/04/16

EVENING
32438  08:15PM 09:40PM  MW  ATEC 205  Staff
Last day to add: 03/04/16

GEG-2 HUMAN GEOGRAPHY 3.00 UNITS
The geographic analysis of the human imprint on the planet. Topics include population, food, language, religion, economic activity, physical environment and political geography.
PREREQUISITE: None.

32439  02:30PM 03:55PM  MW  ATEC 205  R Christov
Last day to add: 03/04/16

GEG-3 WORLD REGIONAL GEOG 3.00 UNITS
A study of major world regions, emphasizing current characteristics and issues including cultural, economic, political, and environmental conditions.
PREREQUISITE: None.

32440  02:30PM 03:55PM  TTH ATEC 205  Staff
Last day to add: 03/04/16

GEG-6 GEOGRAPHY OF US AND CANADA 3.00 UNITS
A physical and human regional geographic study of the United States and Canada.
PREREQUISITE: None.

32861  04:15PM 05:40PM  MW  ATEC 205  Staff
Last day to add: 03/04/16

GUIDANCE

GUI-45 INTRODUCTION TO COLLEGE 1.00 UNITS
Introduction to programs, resources and personal factors that contribute to college success.
PREREQUISITE: None.

32815  09:30AM 10:20AM  TTH IT 110  R Smith
04/19/16 06/09/16  Last day to add: 04/25/16
The above section is a short term class. Please note the start and end dates.

GUI-46 INTRO TRANSFER PROCESS 1.00 UNITS
Survey of transfer requirements with hands-on activities through the application process for students transferring to four-year institutions.
PREREQUISITE: None.

32441  09:30AM 10:20AM  T IT 110  L Dominguez
02/16/16 04/05/16  Last day to add: 02/20/16
The above section is a short term hybrid class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

32442  09:30AM 10:20AM  TH IT 110  D Payan
02/18/16 04/07/16  Last day to add: 02/22/16
The above section is a short term hybrid class that is designed for students in the Puente Program. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates. Please see the Puente counselor prior to enrolling.

GUI-47 CAREER EXPLOR/LIFE PLANNING 3.00 UNITS
Designed to assist those students considering the transition of a career change or undecided about the selection of a college major.
PREREQUISITE: None.

32446  08:00AM 09:25AM  TTH IT 208  J Midgett
Last day to add: 03/04/16

32443  08:45AM 10:10AM  MW STEM 302  R Smith
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

32445  04:15PM 05:40PM  MW WEQ W6  M Jurado
Last day to add: 03/04/16

EVENING
32444  06:20PM 09:55PM  TH WEQ W3  J Moore
02/18/16 06/02/16  Last day to add: 02/29/16
The above section is a short term class. Please note the start and end dates.

ONLINE
32817  ON LINE  L Dominguez
Last day to add: 03/04/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

GUI-48 COLLEGE SUCCESS STRAT 2.00 UNITS
Exploration of various learning strategies. Students will identify their own learning styles and utilize that information to succeed in college.
PREREQUISITE: None.

32816  01:00PM 03:10PM  F IT 206  Y Haro
02/19/16 06/03/16  Last day to add: 03/01/16
The above section is a short term class. Please note the start and end dates.

EVENING
32447  06:30PM 08:35PM  W IT 110  E Betancourt
Last day to add: 03/04/16
HEALTH SCIENCE

HE-1  HEALTH SCIENCE  3.00 UNITS
A basic study of various aspects of health including anatomy and physiology of the body, concepts of prevention, practical advises for healthy life style, treatments and cure of major diseases. This course satisfies the California requirement in drug, alcohol, tobacco and nutrition education for teacher certification.
PREREQUISITE: None.
32450  08:00AM 09:25AM  TTH  THTR 101  A Flowers
The above section is a web-enhanced class. Internet access is required.
32449  08:45AM 10:10AM  MW  THTR 101  M Donovan
The above section is a web-enhanced class. Internet access is required.
32451  09:40AM 11:05AM  TTH  THTR 101  V Genian
The above section is a web-enhanced class. Internet access is required.
32455  10:30AM 11:55AM  MW  THTR 101  M Donovan
The above section is a web-enhanced class. Internet access is required.

HISTORY

HIS-2  WORLD CIVILIZATIONS 2  3.00 UNITS
The development and interaction of world civilizations from the 16th century to the present.
PREREQUISITE: None.
32457  11:15AM 12:40PM  TTH  HUM 103  S Kyriakos
The above section is a web-enhanced class. Internet access is required.

HIS-6  POL SOC HIST OF US  3.00 UNITS
A history of the United States from Colonial time to 1877.
PREREQUISITE: None.
32461  07:10AM 08:35AM  MW  HUM 103  T Russell
The above section is a web-enhanced class. Internet access is required.
32462  08:00AM 09:25AM  TTH  HUM 103  T Russell
The above section is a web-enhanced class. Internet access is required.
32463  10:30AM 01:50PM  F  HUM 103  H Vion
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

HIS-6H  HONORS POL SOC HIST OF US  3.00 UNITS
Offers students in the Honors Program a history of the United States from Colonial time to 1877.
PREREQUISITE: None.
ADVISORY: REA-83 and qualification for ENG-1A.
LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.
32801  04:15PM 05:40PM  TTH  STEM 125  T Russell
The above section is a web-enhanced class. Internet access is required.

HIS-7  POL SOC HISTORY OF US  3.00 UNITS
A history of the United States from 1877 to the present.
PREREQUISITE: None.
ADVISORY: REA-83 and qualification for ENG-1A.
32468  10:30AM 11:55AM  MW  HUM 103  S Kyriakos
The above section is a web-enhanced class. Internet access is required.
32469  12:45PM 02:10PM  MW  HUM 103  S Kyriakos
The above section is a web-enhanced class. Internet access is required.
32470  02:00PM 03:25PM  TTH  HUM 103  S Kyriakos
The above section is a web-enhanced class. Internet access is required.
32471  04:15PM 05:40PM  MW  HUM 103  S Kyriakos
The above section is a web-enhanced class. Internet access is required.
32472  06:00PM 09:10PM  W  HUM 103  D Reina
The above section is a web-enhanced class. Internet access is required.
32467  06:00PM 09:35PM  TH  IT 109  M Hickerson
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.
HIS-14 AFRICAN AMERICAN HISTORY I 3.00 UNITS
Survey of African American history beginning with Classical African and West African civilizations through the trans-Atlantic slave trade, American chattel slavery and abolition to the Civil War and emancipation.
PREREQUISITE: None.
ADVISORY: REA-83 and qualification for ENG-1A.
32803 08:45AM 10:10AM MW HUM 103 T Russell
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

HIS-26 CALIFORNIA HISTORY 3.00 UNITS
The political, economic and social history of California from the pre-Columbian period to the present.
PREREQUISITE: None.
32804 09:40AM 11:05AM TTH HUM 103 T Russell
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

HIS-31 INTRO CHICANO/A STUDIES 3.00 UNITS
A survey of regional Chicano/a history and social problems from the Spanish and Mexican colonial period to the present.
PREREQUISITE: None.
ADVISORY: REA-83 and qualification for ENG-1A.

EVENING
32458 06:00PM 09:10PM T HUM 103 D Reina
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

HONORS

This is a specialized program.
For more information regarding entry into the program, go to

ART-6H HONORS ART APPRECIATION 3.00 UNITS
Offers students in the Honors Program an introductory course for the non-art major. An overview of the human creative process, and its influence and impact on various art forms.
ADVISORY: Qualification for ENG-1A.
LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.
32818 08:00AM 09:25AM TTH STEM 125 Q Bemiller
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

BIO-1H HONORS GENERAL BIOLOGY 4.00 UNITS
This class offers students in the Honors Program an enriched experience in the study of biological systems using molecular, cellular, organismal and ecological examples. The basic principles of biochemistry, genetics, evolution, and the societal implications of biology are included.
PREREQUISITE: None.
LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.
32854 08:45AM 10:10AM MW STEM 125 M Gutierrez
08:45AM 11:55AM F IT 128
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

ENG-1AH HONORS ENGLISH COMP 4.00 UNITS
Offers students in the Honors Program an enriched experience in the development of college-level critical reading, academic writing, and research skills.
PREREQUISITE: ENG-50 or 80 or qualifying placement level.
LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.
32350 10:30AM 12:35PM TTH IT 211 D Mills
Last day to add: 03/04/16
The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

ENG-1BH HON CRITICAL THINK/WRIT 4.00 UNITS
An Honors course that emphasizes argument, analysis, and the student of literature, developing critical thinking, reading, and writing skills beyond the level achieved in ENG-1A or 1AH.
PREREQUISITE: ENG-1A or 1AH.
LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.
32363 10:30AM 12:35PM TTH STEM 125 M Bader
Last day to add: 03/04/16
The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times. This section is taught with a thematic approach to the course: The Hero. For additional information, please email melissa.bader@norcocollege.edu.

HIS-6H HONORS POL SOC HIST OF US 3.00 UNITS
Offers students in the Honors Program a history of the United States from Colonial time to 1877.
PREREQUISITE: None.
ADVISORY: REA-83 and qualification for ENG-1A.
LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.
32801 04:15PM 05:40PM TTH STEM 125 T Russell
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

MAT-12H HONORS STATISTICS 4.00 UNITS
This course offers students in the Honors Program a study of statistical methods and their application to estimation of population parameters and hypothesis testing.
PREREQUISITE: MAT-35 or qualifying placement level.
LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.
32828 10:30AM 12:35PM MW STEM 125 J Parks
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.
HUMANITIES

HUM-5 ARTS & IDEAS: RENAISS-MODERN 3.00 UNITS
An interdisciplinary study of the origins of movements in art, literature, music, philosophy, photography, cinema, media, and religion in Western civilization from the Renaissance through the post-Modern era.
PREREQUISITE: None.
ADVISORY: REA-83 and qualification for ENG-1A.

32479 11:15AM 12:40PM TTH LIBR 109 D Palmer
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

HUM-10 WORLD RELIGIONS 3.00 UNITS
Concepts of major religions including Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity and Islam.
PREREQUISITE: None.
ADVISORY: REA-83 and qualification for ENG-1A.

32475 09:40AM 11:05AM TTH ATEC 211 D Palmer
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

32476 10:30AM 01:50PM F ATEC 205 E Heimlich
02/19/16 06/03/16
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

JAPANESE

JPN-1 JAPANESE 1 5.00 UNITS
Develops basic skills in understanding, reading, communicating, and writing in Japanese.
PREREQUISITE: None.

32487 03:00PM 06:10PM M LIBR 109 A Dohr
03:00PM 05:05PM W LIBR 121
05:15PM 06:05PM W LIBR 121
Last day to add: 03/04/16

32489 08:00AM 10:05AM T LIBR 109 C Dealba-Yount
10:15AM 11:05AM T LIBR 121
08:00AM 11:10AM TH LIBR 109
Last day to add: 03/04/16

KINESIOLOGY

KIN-4 NUTRITION 3.00 UNITS
Principles of basic nutrition and their application to health and diseases.
PREREQUISITE: None.

32498 08:00AM 09:25AM TTH WEQ 77 T Wallstrom
Last day to add: 03/04/16

32499 09:40AM 11:05AM TTH WEQ 77 T Wallstrom
Last day to add: 03/04/16

32500 11:15AM 12:40PM TTH WEQ 77 V Genian
Last day to add: 03/04/16

The above section is a web-enhanced class. Internet access is required.
KIN-10  INTRO TO KINESIOLOGY  3.00 UNITS
The study of human movement, sub-disciplines in Kinesiology and career opportunities.
PREREQUISITE: None.
3246  02:00PM 03:25PM  TTH  WEQ W3  Staff
       Last day to add: 03/04/16

KIN-16  INTRO TO ATHLETIC TRAINING  3.00 UNITS
Analyzes and applies basic concepts of athletic training with emphasis on care and prevention of athletic injuries.
PREREQUISITE: None.
32490  04:15PM 06:45PM  T  WEQ W3  J Winn
       07:00PM 08:25PM  T  WEQ W3
       Last day to add: 03/04/16

KIN-30  FIRST AID AND CPR  3.00 UNITS
Earn "National Safety Council Advanced First Aid" and "American Heart Association Healthcare Professional" certificates. First Aid and CPR fees totaling $20.00 will be charged to the student and are not covered by BOGW. Drop deadlines for non-payment apply.
PREREQUISITE: None.
32492  08:00AM 09:25AM  TTH  WEQ W3  P Mahoney
       Last day to add: 03/04/16
32491  04:15PM 05:40PM  MW  WEQ W3  J McMains
       Last day to add: 03/04/16

KIN-36  WELLNESS: LIFESTYLE CHOICES  3.00 UNITS
Studies the various dimensions of health as they relate to living a positive, healthy life.
PREREQUISITE: None.
32494  09:40AM 11:05AM  TTH  WEQ W3  B Wimer
       Last day to add: 03/04/16
32495  11:15AM 12:40PM  TTH  WEQ W3  B Wimer
       Last day to add: 03/04/16

KIN-38  STRESS MANAGEMENT  3.00 UNITS
Stress Management is explored through informative lectures, projects, and discussion, while the lab component offers students an opportunity to practice a variety of relaxation techniques.
PREREQUISITE: None.
32496  08:45AM 10:35AM  MW  WEQ W3  B Wimer
       10:45AM 11:50AM  MW  WEQ W2
       02/17/16 05/04/16
       Last day to add: 02/28/16
The above section is a short term class. Please note the start and end dates.

32497  01:00PM 02:50PM  MW  WEQ W3  B Wimer
       03:00PM 04:50PM  MW  WEQ W2
       02/17/16 05/04/16
       Last day to add: 02/28/16
The above section is a short term class. Please note the start and end dates.

KIN-A40  KARATE, BEGINNING  1.00 UNITS
Develops basic skills needed for unarmed self-defense by using shifting, blocking, punching and kicking.
PREREQUISITE: None.
32501  06:00PM 07:25PM  MW  WEQ W2  D Namekata
       Last day to add: 03/04/16

KIN-A41  KARATE, INTERMEDIATE  1.00 UNITS
Reviews basic skills and develops intermediate level skills in karate and self-defense.
PREREQUISITE: None.
ADVISORY: Course is designed for students with proficient skills in blocking, shifting, punching, striking and kicking and the knowledge of basic katas or for those who have completed KIN-A40.
32502  08:00AM 09:25AM  TTH  WEQ W2  F Stewart
       Last day to add: 03/04/16
32503  08:45AM 10:10AM  MW  WEQ W2  L Zank
       Last day to add: 03/04/16

KIN-A46  HATHA YOGA, BEGINNING  1.00 UNITS
Develops physical and mental wellness by exercises for breathing, concentration, flexibility, strength and relaxation.
PREREQUISITE: None.
32504  08:00AM 09:25AM  TTH  WEQ W3  F Stewart
       Last day to add: 03/04/16
32505  08:00AM 09:25AM  TTH  WEQ W3  F Melgarejo
       Last day to add: 03/04/16

KIN-A47  HATHA YOGA, INTERMEDIATE  1.00 UNITS
Develops physical and mental wellness by intermediate level exercises for breathing, concentration, flexibility, strength and relaxation.
PREREQUISITE: None.
ADVISORY: KIN-A46.
32508  08:00AM 09:25AM  TTH  WEQ W3  F Stewart
       Last day to add: 03/04/16
32509  08:00AM 09:25AM  TTH  WEQ W3  F Melgarejo
       Last day to add: 03/04/16

KIN-A64  SOCCER  1.00 UNITS
Introduces rules, basic skills, offensive and defensive strategies, and competition in soccer.
PREREQUISITE: None.
32505  08:00AM 09:25AM  TTH  SOCR 2  F Melgarejo
       Last day to add: 03/04/16
32506  10:30AM 11:55AM  MW  SOCR 2  L Jalayer
       Last day to add: 03/04/16

KIN-A75B  WALKING FOR FITNESS: INTERMED  1.00 UNITS
Provides advanced instruction in walking techniques, nutrition, body composition and weight control strategies.
PREREQUISITE: None.
ADVISORY: KIN-A75A.
32508  08:00AM 09:25AM  TTH  WEQ W8  B Wimer
       Last day to add: 03/04/16
### KIN-A77 JOGGING FOR FITNESS 1.00 UNITS
Introduces basic fitness concepts through jogging.

**PREREQUISITE:** None.

**ADVISORY:** KIN-A75B.

<table>
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<th>Time</th>
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<td>WEQ W8</td>
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<td>03/04/16</td>
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</table>

### KIN-A81 PHYSICAL FITNESS 1.00 UNITS
Provides concepts for total fitness and develops personalized exercise programs for cardiovascular endurance, strength and flexibility.

**PREREQUISITE:** None.

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### KIN-A83 KICKBOXING AEROBICS 1.00 UNITS
Develops muscular strength, flexibility and endurance with kickboxing aerobic activity and body conditioning exercises.

**PREREQUISITE:** None.

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### VARSITY SPORTS

### KIN-V95 OUT-OF-SEASON SPORT COND 1.00 UNITS
Applies advanced conditioning and weight training principles for an out-of-season training program preparing for varsity sport competition.

**PREREQUISITE:** None.

**LIMITATION ON ENROLLMENT:** Retention based on successful tryout.

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<td>WEQ W8</td>
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### LIBRARY

### LIB-1 INTRO INFORMATION LITERACY 1.00 UNITS
Presents the fundamentals of the effective use of libraries to find, evaluate, interpret, and organize information from a variety of formats.

**PREREQUISITE:** None.

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### MANAGEMENT

### MAG-44 PRINCIPLES OF MANAGEMENT 3.00 UNITS
An overview of the concepts, processes and techniques of organizational management.

**PREREQUISITE:** None.

#### EVENING

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</table>

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

### MAG-47 APPLIED BUS, MGMT ETHICS 3.00 UNITS
An examination of ethical concerns including corporate, personal, global, environmental, public related issues ethics audits, and corporate social responsibility. (Same as BUS-47)

**PREREQUISITE:** None.

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</table>

The above section is a short term hybrid class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

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The above section is an online class. Computer with Internet access required. See www.opencampus.com.

### MAG-53 HUMAN RELATIONS 3.00 UNITS
Practical application of basic psychology in building better employer-employee relationships.

**PREREQUISITE:** None.

#### EVENING

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The above section is a short term hybrid class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

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The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

### MAG-56 HUMAN RESOURCES MANAGEMENT 3.00 UNITS
Introduces techniques involving the selection, training, evaluation and promotion of employees.

**PREREQUISITE:** None.

#### EVENING

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<th>Time</th>
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</table>

The above section is a short term hybrid class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
MANUFACTURING TECHNOLOGY

MAN-35  COMP AIDED MANUF-MASTERCAM  5.00 UNITS
Provides students with the knowledge and skills to program machining operations using MasterCam software on turning centers and milling machines.
PREREQUISITE: None.
ADVISORY: CIS-1A.

< EVENING
32520  05:30PM 07:20PM MW CACT 2  K Wils
       07:30PM 09:45PM MW CACT 2
Last day to add: 03/04/16

MAN-55  OSHA STANDARDS FOR INDUSTRY  2.00 UNITS
OSHA policies, procedures and standards, as well as safety for general industry and health principles. Topics include scope and application of the OSHA standards for general industry.
PREREQUISITE: None.

32521  08:00AM 10:20AM MTWTHF IT 124  K Mosley
       02/16/16 03/04/16 Last day to add: 02/17/16
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

MAN-56  CNC SET-UP, OPERATION  4.00 UNITS
Hands-on course introducing set-up and operation of CNC machine tools, controllers and some manual programming.
PREREQUISITE: None.

< EVENING
32871  06:00PM 09:10PM T CACT 2  P Van Hulle
       06:00PM 09:10PM TH CACT 2
       07:15PM 09:20PM MW IT 124  C Stip
       07:15PM 09:20PM TH IT 124
Last day to add: 03/04/16

MAN-60  HYDRAULIC/PNEUMATIC SYSTEMS  3.00 UNITS
Overview of basic pressurized fluid systems in engineering, manufacturing, robotic and industrial equipment systems are presented.
PREREQUISITE: None.
ADVISORY: ENE-60 or MAT-52.

< EVENING
32884  06:00PM 07:05PM MW IT 124  T Childers
       07:15PM 09:20PM MW IT 124
Last day to add: 03/04/16

MAN-64  PROGRAMMABLE LOGIC CONTR  3.00 UNITS
Fundamentals of Programmable Logic Controllers (PLCs). Programming, operation, installation, maintenance, troubleshooting and repair of PLC systems. (Same as ELE-64)
PREREQUISITE: None.
ADVISORY: ELE-10 or 21.

32904  03:30PM 06:20PM T IT 124  Staff
       03:30PM 05:35PM TH IT 124
       05:35PM 08:50PM TH IT 124
Last day to add: 03/04/16

MARKETING

MKT-20  PRINC OF MARKETING  3.00 UNITS
Examines the role of marketing along with an analysis of both profit and non-profit organizations' product, price, distribution and promotion.
PREREQUISITE: None.
ADVISORY: BUS-10.

< EVENING
32609  06:30PM 09:40PM W IT 108  A Riker
Last day to add: 03/04/16
The above section is a hybrid class that meets alternating Wednesdays beginning 02/24/16. Computer with Internet access required. See www.opencampus.com.

MKT-41  TECHNIQUES OF SELLING  3.00 UNITS
Studies sales communication, behavioral, ethical and philosophical factors as applied to the selling function.
PREREQUISITE: None.

< EVENING
32882  06:30PM 09:40PM T IT 108  M Ferguson
       02/16/16 04/07/16 Last day to add: 02/20/16
The above section is a short term hybrid class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

MATHEMATICS

MAT-1A  CALCULUS I  4.00 UNITS
Differentiation with applications and basic integration.
PREREQUISITE: MAT-10 or qualifying placement level.

32906  09:40AM 11:45AM TTH WEQ W5 J Frewing
       11:50AM 12:55PM TH WEQ W5
Last day to add: 03/04/16
Designated laboratory hours are included in the meeting times for this class.

< EVENING
32542  06:00PM 08:05PM MW ATEC 119 C Stip
       08:10PM 09:15PM WM W ATEC 119
       09:15PM 09:50PM TH IT 124
Last day to add: 03/04/16
Designated laboratory hours are included in the meeting times for this class.

WARNING!
REGISTRATION WILL BE BLOCKED IF YOU HAVE NOT MET THE PREREQUISITE!
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
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<tbody>
<tr>
<td>MAT-1B</td>
<td>CALCULUS II</td>
<td>4.00</td>
<td>Integration, applications of integration, series, parametric equations, and</td>
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<td>polar coordinates.</td>
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<td>PREREQUISITE: MAT-1A.</td>
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<td>32546</td>
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<tr>
<td>MAT-1C</td>
<td>CALCULUS III</td>
<td>4.00</td>
<td>Vectors, partial differentiation, and multiple integrals with applications.</td>
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<td>MAT-10</td>
<td>PRECALCULUS</td>
<td>4.00</td>
<td>College-level algebra and trigonometry preparation for calculus.</td>
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<td>MAT-11</td>
<td>COLLEGE ALGEBRA</td>
<td>4.00</td>
<td>College-level algebra.</td>
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<td>MAT-12</td>
<td>STATISTICS</td>
<td>4.00</td>
<td>A study of statistical methods and their application to hypothesis testing</td>
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<td>05:30PM 07:35PM</td>
<td>MW</td>
<td>JFK 204</td>
<td>A Thomas</td>
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<td>MW</td>
<td>ATEC 210</td>
<td>Staff</td>
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<td>32829</td>
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<td>ON LINE</td>
<td>J Parks</td>
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The above section is an online class. Computer with Internet access required. See www.opencampus.com.

**MAT-12H HONORS STATISTICS  4.00 UNITS**
This course offers students in the Honors Program a study of statistical methods and their application to estimation of population parameters and hypothesis testing.
*PREREQUISITE: MAT-35 or qualifying placement level.*
LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.

32828 10:30AM 12:35PM | MW | STEM 125 | J Parks |
| Last day to add: 03/04/16 |

The above section is a web-enhanced class. Internet access is required.

**MAT-32 INTRO TO SYMBOLIC LOGIC  3.00 UNITS**
Principles of deductive reasoning applying modern symbolic techniques.
(Same as PHI-32)
*PREREQUISITE: None.*
LIMITATION ON ENROLLMENT: May not be taken if credit for PHI-32 has been granted.

32551 02:30PM 03:55PM | MW | ATEC 204 | Staff |
| Last day to add: 03/04/16 |

The above section is a web-enhanced class. Internet access is required.

**MAT-35 INTERMEDIATE ALGEBRA  5.00 UNITS**
Algebra preparation for college-level mathematics.
*PREREQUISITE: MAT-52 or qualifying placement level.*

32561 07:00AM 09:30AM | TTH | ATEC 119 | M Zeller |
| Last day to add: 03/04/16 |

32555 07:50AM 10:20AM | MW | IT 101 | F Gelenchi |
| Last day to add: 03/04/16 |

32556 08:45AM 10:10AM | MW | ATEC 204 | B Johnson |
| Last day to add: 03/04/16 |

The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.

32570 09:40AM 12:10PM | TTH | ATEC 210 | J DeGuzman |
| Last day to add: 03/04/16 |

32563 10:00AM 12:30PM | TTH | WEQ W4 | M Zeller |
| Last day to add: 03/04/16 |

32567 10:30AM 01:00PM | MW | ATEC 210 | L Ting |
| Last day to add: 03/04/16 |

The above section is an online class. Computer with Internet access required. See www.opencampus.com. In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 4/20 to 4/24 and another day between 6/5 and 6/11.

32552 02:30PM 05:00PM | MW | LIBR 108 | S Lee |
| Last day to add: 03/04/16 |

32562 02:30PM 05:00PM | MW | ATEC 119 | S Park |
| Last day to add: 03/04/16 |

32583 02:30PM 05:00PM | MW | STEM 201 | D Garretson |
| Last day to add: 03/04/16 |

32553 03:00PM 05:30PM | MW | ATEC 211 | J DeGuzman |
| Last day to add: 03/04/16 |

32564 ON LINE | B Johnson |
| Last day to add: 03/04/16 |

The above section is an online class. Computer with Internet access required. See www.opencampus.com. In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 4/20 to 4/24 and another day between 6/5 and 6/11.

32560 12:45PM 02:10PM | MW | LIBR 108 | B Johnson |
| Last day to add: 03/04/16 |

The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.

32559 02:10PM 04:40PM | TTH | WEQ W6 | N Shumaker |
| Last day to add: 03/04/16 |

32565 02:10PM 04:40PM | TTH | ATEC 210 | J DeGuzman |
| Last day to add: 03/04/16 |

32837 02:10PM 04:40PM | TTH | STEM 115 | Staff |
| Last day to add: 03/04/16 |

32837 02:10PM 04:40PM | TTH | STEM 115 | Staff |
| Last day to add: 03/04/16 |

32571 09:40PM 12:10PM | TTH | ATEC 210 | J DeGuzman |
| Last day to add: 03/04/16 |

32566 ON LINE | E Chung |
| Last day to add: 03/04/16 |

The above section is an online class. Computer with Internet access required. See www.opencampus.com. In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 4/20 to 4/24 and another day between 6/5 and 6/11.

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MAT-36  TRIGONOMETRY  4.00 UNITS
An introduction to the trigonometric functions, their identities and relationships, graphs and applications, accompanied by essential topics of geometry.
PREREQUISITE: MAT-35 and MAT-53 or qualifying placement level.

32571  09:40AM 11:45AM  TTH  LIBR 108  N Duong
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

32573  10:30AM 12:35PM  MW  IT 209  R Prior
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

32574  04:15PM 06:20PM  MW  HUM 102  Staff
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

MAT-52  ELEMENTARY ALGEBRA  4.00 UNITS
An introduction to the concepts of algebra. (Non-degree credit course.)
PREREQUISITE: MAT-64 (formerly 50), 65, 90F or qualifying placement level.

32583  07:20AM 09:25AM  TTH  ATEC 204  Staff
Last day to add: 03/04/16

32578  08:15AM 10:20AM  MW  ATEC 119  S Hashemi
Last day to add: 03/04/16

32589  08:15AM 10:20AM  MW  IT 209  L Ting
Last day to add: 03/04/16

32592  08:45AM 10:00AM  MWF  WEQ W5  Staff
Last day to add: 03/04/16

32579  10:30AM 12:35PM  MW  LIBR 108  F Gelenchi
Last day to add: 03/04/16

32580  12:45PM 02:50PM  MW  ATEC 211  K Helmick
Last day to add: 03/04/16

32590  02:00PM 04:05PM  MW  ATEC 210  Staff
Last day to add: 03/04/16

32591  02:00PM 04:05PM  MW  WEQ W5  Staff
Last day to add: 03/04/16

32588  02:00PM 04:05PM  TTH  HUM 111  Staff
Last day to add: 03/04/16

MAT-53  COLLEGE GEOMETRY  3.00 UNITS
A course in the study of two- and three-dimensional geometry.
PREREQUISITE: MAT-52 or qualifying placement level.

32593  08:00AM 09:25AM  MW  WEQ W4  Staff
Last day to add: 03/04/16

32594  12:45PM 02:10PM  MW  WEQ W4  Staff
Last day to add: 03/04/16

32595  04:15PM 05:40PM  TTH  ATEC 205  Staff
Last day to add: 03/04/16

MAT-65  ARITHMETIC & PRE-ALGEBRA  5.00 UNITS
Study of the four basic operations applied to whole numbers, integers, fractions, mixed numbers, and decimals, to include application to real-world problems along with an introduction to the notion of algebra and its uses. (Non-degree credit course.)
PREREQUISITE: None.

32605  08:45AM 10:20AM  MWF  IT 122  J Frewing
Last day to add: 03/04/16

32835  08:45AM 10:20AM  MWF  STEM 201  S Park
Last day to add: 03/04/16

32601  10:30AM 12:05PM  MWF  ATEC 204  J Frewing
Last day to add: 03/04/16

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The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.
MICROBIOLOGY

MIC-1 MICROBIOLOGY 4.00 UNITS
General characteristics of microbes with emphasis on their control and role in disease.
PREREQUISITE: CHE-2A or 3 and one of the following: AMY-2A, BIO-1, 1H, or 11.

32607 08:45AM 10:10AM MW ST 203 B Moore
10:30AM 11:55AM MW ST 203 Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

32606 04:00PM 05:25PM MW ST 203 Staff
06:00PM 07:25PM MW STEM 201 Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

MUSIC

MUS-4 MUSIC THEORY I 4.00 UNITS
Principles of voice leading in diatonic harmony of the Common Practice period.
PREREQUISITE: MUS-3 or the equivalent.

ADVISORY: Concurrent enrollment in an appropriate level piano class.

32666 08:00AM 09:40AM MW HUM 101 K Kamerin
08:00AM 10:20AM F HUM 101 Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

MUS-19 MUSIC APPRECIATION 3.00 UNITS
A survey of music in the Western world focused on listening, including terminology for describing musical elements, forms, styles, and the roles of music and musicians in society.
PREREQUISITE: None.

32621 12:45PM 02:10PM MW THTR 101 S Harvey
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

EVENING

32619 06:00PM 09:35PM TH IT 117 Staff
02/18/16 06/02/16 Last day to add: 02/29/16
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

ONLINE

32620 ON LINE I Zubizarreta Last day to add: 03/04/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

MUS-23 HISTORY OF ROCK AND ROLL 3.00 UNITS
Comprehensive study of rock and roll music from its origins to the present. Emphasis on historical, musical, and sociological influences and listening to the music.
PREREQUISITE: None.

32622 02:00PM 03:25PM TTH ATEC 114 A Tabor
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

MUS-30 CLASS VOICE 1.00 UNITS
Group study of vocal production, voice technique, diction and interpretation.
PREREQUISITE: None.

32624 03:00PM 04:25PM MW THTR 204 N Estes
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

MUS-32A CLASS PIANO I 1.00 UNITS
Beginning course in developing the skills needed for performing on piano, including reading from music notation.
PREREQUISITE: None.

32625 12:45PM 02:10PM MW HUM 101 N Pirozzi
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

MUS-32B CLASS PIANO II 1.00 UNITS
Skills development in playing select major and minor scales, primary triad progressions, harmonizing easy melodies, transposing to closely related keys, sight reading easy pieces, and performing simple piano pieces.
PREREQUISITE: MUS-32A or the equivalent.

32626 02:30PM 03:55PM MW HUM 101 N Pirozzi
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

MUS-32C CLASS PIANO III 1.00 UNITS
Focus on playing major and minor scales starting on black keys, arpeggios, harmonizing melodies with accompaniment patterns, sight reading and transposing simple pieces, and performing intermediate piano learning pieces and ensembles from open score.
PREREQUISITE: MUS-32B or the equivalent.

32627 02:30PM 03:55PM MW HUM 101 N Pirozzi
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

MUS-32D CLASS PIANO IV 1.00 UNITS
Focus on playing all major and minor scales and arpeggios, two octaves, hands together, diatonic chord progressions, harmonizing melodies, transposing and sight reading pieces of moderate difficulty, accompanying for a soloist, score reading pieces of moderate difficulty, and performing piano pieces in contrasting styles.
PREREQUISITE: MUS-32C or the equivalent.

32910 02:30PM 03:55PM MW HUM 101 N Pirozzi
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.
MUS-37  CLASS GUITAR  1.00 UNITS
Fundamentals of guitar performance and basic musicianship.
PREREQUISITE: None.

32628  04:30PM 05:30PM  M  THTR 204  B Palispis
04:30PM 06:20PM  W  THTR 204

The above section is a web-enhanced class. Internet access is required.

MUS-38  BEGINNING APPLIED MUSIC I  2.00 UNITS
Vocal or instrumental individualized music instruction and practice for a total of 108 hours. Not designed for beginning students.
PREREQUISITE: None.
LIMITATION ON ENROLLMENT: Audition on or before the first class meeting.

32629  TBA  K Kamerin

The above section is a web-enhanced class. Internet access is required.

MUS-39  APPLIED MUSIC I  3.00 UNITS
Vocal or instrumental individualized music instruction, practice, and performance for a total of 162 hours. Not designed for beginning students.
PREREQUISITE: None.
COREQUISITE: Enrollment in a two-unit performance class.
LIMITATION ON ENROLLMENT: Audition on or before the first class meeting.

32621  TBA  K Kamerin

The above section is a web-enhanced class. Internet access is required.

MUS-65  BASIC MUSICIANSHP  2.00 UNITS
An introduction to the basic knowledge and skills necessary to develop the ability to read music.
PREREQUISITE: None

32822  08:00AM 08:50AM  T  HUM 101  K Kamerin
08:00AM 09:55AM  TH  HUM 101

The above section is a web-enhanced class. Internet access is required.

MUS-89  MUSIC OF MULTICULTURAL AMERICA  3.00 UNITS
A comparative and integrative study of the multicultural musical styles of the United States.
PREREQUISITE: None.

ONLINE  32630  ON LINE  I Zubizarreta

The above section is an online class. Computer with Internet access required. See www.opencampus.com.

MUS-93  THE BUSINESS OF MUSIC  3.00 UNITS
An overview of the business side of performing, recording and publishing music.
PREREQUISITE: None.

32831  12:45PM 02:10PM  MW  IT 109  V Mixson

The above section is a web-enhanced class. Internet access is required.

PHILOSOPHY

PHI-10  INTRO TO PHILOSOPHY  3.00 UNITS
Introduction to the major questions of Western philosophy and their answers.
PREREQUISITE: None.
ADVISORY: ENG-50 or 80.

32637  08:00AM 09:25AM  TTH  WEQ W5  L Montes

The above section is a web-enhanced class. Internet access is required.

32633  10:30AM 01:50PM  F  ATEC 211  J Sentmanat
02/19/16 06/03/16

The above section is a short term class. Please note the start and end dates.

32636  04:15PM 05:40PM  TTH  IT 117  L Montes

The above section is a web-enhanced class. Internet access is required.

ONLINE  32634  ON LINE  S Crasnow
02/16/16 04/08/16

The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

ONLINE  32635  ON LINE  S Crasnow
04/18/16 06/09/16

The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
**PHI-11 Critical Thinking** 3.00 UNITS  
Introduction to critical thinking as it relates to everyday experience and general knowledge.  
**PREREQUISITE:** None.  
**ADVISORY:** REA-82.  
32640 10:30AM 11:55AM MW STEM 201 L Montes  
Last day to add: 03/04/16  
The above section is a web-enhanced class. Internet access is required.  

**PHI-12 Ethics: Contemp Moral Issues** 3.00 UNITS  
An examination of contemporary moral problems in light of ethical theory.  
**PREREQUISITE:** None.  
32641 10:30AM 11:55AM MW WEQ W5 J Tyndal  
Last day to add: 03/04/16  
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.  

**PHI-32 Intro Symbolic Logic** 3.00 UNITS  
Principles of deductive reasoning applying modern symbolic techniques.  
(Same as MAT-32)  
**PREREQUISITE:** None.  
**LIMITATION ON ENROLLMENT:** May not be taken if credit for MAT-32 has been granted.  
32642 02:30PM 03:55PM MW ATEC 204 C Booher  
Last day to add: 03/04/16  
The above section is a web-enhanced class. Internet access is required.  

**PHI-33 Social/Polit Philosophy** 3.00 UNITS  
Introduction to issues in social and political philosophy.  
**PREREQUISITE:** None.  
**ADVISORY:** Qualification for ENG-1A.  
32643 10:30AM 11:55AM MW HUM 111 C Booher  
Last day to add: 03/04/16  
The above section is a web-enhanced class. Internet access is required.  

**Physical Science**  
**PHS-1 Intro Physical Sci** 3.00 UNITS  
Descriptive survey of the physical sciences: astronomy, geology, physics, chemistry as they relate to daily living.  
**PREREQUISITE:** None.  
32644 08:00AM 09:25AM TTH HUM 201 B Johnson  
Last day to add: 03/04/16  
32645 02:30PM 03:55PM MW IT 101 Staff  
Last day to add: 03/04/16  

**Physics**  
**PHY-2A General Physics I** 4.00 UNITS  
Study of properties of matter, mechanics, oscillatory motion, waves and fluid mechanics.  
**PREREQUISITE:** None.  
**COREQUISITE:** MAT-1A.  
32683 09:40AM 11:05AM TTH HUM 201 P Tran  
01:00PM 04:10PM TH HUM 201  
Last day to add: 03/04/16  
The above section is a web-enhanced class. Internet access is required.  

**PHY-4A Mechanics** 4.00 UNITS  
The study of the relationships among force, matter, and motion.  
**PREREQUISITE:** None.  
**COREQUISITE:** MAT-1A.  
32650 08:45AM 10:10AM MW HUM 201 P Tran  
01:00PM 04:10PM W HUM 201  
Last day to add: 03/04/16  
The above section is a web-enhanced class. Internet access is required.  

**PHY-4B ELEC Magnetsism** 4.00 UNITS  
The study of mathematical laws describing electromagnetism.  
**PREREQUISITE:** PHY-4A.  
**COREQUISITE:** MAT-1B.  
32651 10:30AM 11:55AM MW HUM 201 P Tran  
01:00PM 04:10PM M HUM 201  
Last day to add: 03/04/16  
The above section is a web-enhanced class. Internet access is required.  

**PHY-10 Intro Gen Physics** 3.00 UNITS  
Introduces study of mechanics, matter, heat, sound light, electricity, magnetism, and nuclear physics.  
**PREREQUISITE:** MAT-52.  
32646 02:30PM 03:55PM TTH ST 108 Staff  
Last day to add: 03/04/16  

**PHY-11 Physics Lab** 1.00 UNITS  
A laboratory for the non-science major with emphasis on lab techniques. Student experimentation and demonstrations.  
**PREREQUISITE:** None.  
**COREQUISITE:** PHY-10.  
32648 06:00PM 07:25PM MW HUM 201 Staff  
Last day to add: 03/04/16  
The above section is a short term class. Please note the start and end dates.
## POLITICAL SCIENCE

### POL-1 AMERICAN POLITICS 3.00 UNITS

The principles, institutions, policies, and critical issues in American politics. **PREREQUISITE:** None. **ADVISORY:** REA-83 and qualification for ENG-1A.

<table>
<thead>
<tr>
<th>Course</th>
<th>Meeting Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Notes</th>
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<tbody>
<tr>
<td>32655</td>
<td>08:00AM-09:25AM</td>
<td>TTH</td>
<td>IT 122</td>
<td>D Synodinos</td>
<td>Last day to add: 03/04/16 The above section is a web-enhanced class. Internet access is required.</td>
</tr>
<tr>
<td>32664</td>
<td>08:45AM-10:10AM</td>
<td>MW</td>
<td>ATEC 211</td>
<td>R Brown</td>
<td>Last day to add: 03/04/16 The above section is a web-enhanced class. Internet access is required.</td>
</tr>
<tr>
<td>32659</td>
<td>09:40AM-11:05AM</td>
<td>TTH</td>
<td>IT 122</td>
<td>S Popiden</td>
<td>Last day to add: 03/04/16 The above section is a web-enhanced class. Internet access is required.</td>
</tr>
<tr>
<td>32652</td>
<td>10:30AM-11:55AM</td>
<td>MW</td>
<td>IT 122</td>
<td>R Brown</td>
<td>Last day to add: 03/04/16 The above section is a web-enhanced class. Internet access is required.</td>
</tr>
<tr>
<td>32653</td>
<td>11:15AM-12:40PM</td>
<td>TTH</td>
<td>IT 122</td>
<td>S Popiden</td>
<td>Last day to add: 03/04/16 The above section is a web-enhanced class. Internet access is required.</td>
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<tr>
<td>32663</td>
<td>04:15PM-05:40PM</td>
<td>MW</td>
<td>IT 122</td>
<td>R Brown</td>
<td>Last day to add: 03/04/16 The above section is a web-enhanced class. Internet access is required.</td>
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<tr>
<td>32656</td>
<td>04:15PM-05:40PM</td>
<td>TTH</td>
<td>IT 122</td>
<td>R Madrid</td>
<td>Last day to add: 03/04/16 The above section is a web-enhanced class. Internet access is required.</td>
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### ONLINE

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<tr>
<th>Course</th>
<th>Meeting Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<td>32658</td>
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<td>Last day to add: 03/04/16 The above section is an online class. Computer with Internet access required. See <a href="http://www.opencampus.com">www.opencampus.com</a>.</td>
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<tr>
<td>32662</td>
<td>ONLINE</td>
<td>ON LINE</td>
<td>S Popiden</td>
<td>Last day to add: 03/04/16 The above section is an online class. Computer with Internet access required. See <a href="http://www.opencampus.com">www.opencampus.com</a>.</td>
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</tr>
</tbody>
</table>

### POL-11 POLITICAL THEORY 3.00 UNITS

Examines political ideas and thinkers from Socrates to the present and their application to contemporary issues and debates. **PREREQUISITE:** None. **ADVISORY:** REA-83 and qualification for ENG-1A.

<table>
<thead>
<tr>
<th>Course</th>
<th>Meeting Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Notes</th>
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<tr>
<td>32811</td>
<td>02:00PM-03:25PM</td>
<td>TTH</td>
<td>IT 122</td>
<td>S Popiden</td>
<td>Last day to add: 03/04/16 The above section is a web-enhanced class. Internet access is required.</td>
</tr>
</tbody>
</table>

## PSYCHOLOGY

### PSY-1 GENERAL PSYCH 3.00 UNITS

Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy. **PREREQUISITE:** None.

<table>
<thead>
<tr>
<th>Course</th>
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<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Notes</th>
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<tbody>
<tr>
<td>32675</td>
<td>07:00AM-10:20AM</td>
<td>F</td>
<td>ATEC 204</td>
<td>J Hicks</td>
<td>Last day to add: 03/04/16 The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.</td>
</tr>
<tr>
<td>32669</td>
<td>08:00AM-09:25AM</td>
<td>TTH</td>
<td>ATEC 210</td>
<td>B Adams</td>
<td>Last day to add: 03/04/16 The above section is a web-enhanced class. Internet access is required.</td>
</tr>
<tr>
<td>32671</td>
<td>10:30AM-11:55AM</td>
<td>MW</td>
<td>WEQ  W6</td>
<td>K Norton</td>
<td>Last day to add: 03/04/16 The above section is a web-enhanced class. Internet access is required.</td>
</tr>
<tr>
<td>32668</td>
<td>12:45PM-02:10PM</td>
<td>M</td>
<td>ATEC 204</td>
<td>L Adams</td>
<td>Last day to add: 03/04/16 The above section is a short term hybrid class. Computer with Internet access required. See <a href="http://www.opencampus.com">www.opencampus.com</a>. Please note the start and end dates.</td>
</tr>
<tr>
<td>32670</td>
<td>12:45PM-02:10PM</td>
<td>W</td>
<td>ATEC 119</td>
<td>L Adams</td>
<td>Last day to add: 03/04/16 The above section is a hybrid class. Computer with Internet access required. See <a href="http://www.opencampus.com">www.opencampus.com</a>.</td>
</tr>
<tr>
<td>32672</td>
<td>02:00PM-03:25PM</td>
<td>TTH</td>
<td>ATEC 205</td>
<td>J Zeeb</td>
<td>Last day to add: 03/04/16 The above section is a web-enhanced class. Internet access is required.</td>
</tr>
<tr>
<td>32673</td>
<td>04:15PM-05:40PM</td>
<td>MW</td>
<td>ATEC 204</td>
<td>Staff</td>
<td>Last day to add: 03/04/16 The above section is a web-enhanced class. Internet access is required.</td>
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</tbody>
</table>
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www.norccollegebookstore.com
Designated laboratory hours are included in the meeting times for this class.

EVENING 32688
06:00PM 07:25PM  MW  JFK 202  P Van Osterhoudt
07:35PM 08:25PM  M  JFK 202
07:35PM 08:40PM  W  JFK 202

Last day to add: 03/04/16

Designated laboratory hours are included in the meeting times for this class.

EVENING 32693
05:00PM 06:25PM  MW  LIBR 110  D Eaves
06:35PM 07:25PM  M  LIBR 110
06:35PM 07:40PM  W  LIBR 110

Last day to add: 03/04/16

Designated laboratory hours are included in the meeting times for this class.

EVENING 32691
06:30PM 07:55PM  TTH  JFK 202  A Letcher
08:05PM 08:55PM  T  JFK 202
08:05PM 09:10PM  TH  JFK 202

Last day to add: 03/04/16

Designated laboratory hours are included in the meeting times for this class.

REALESTATE

REAL ESTATE

RLE-80 REAL ESTATE PRINCIPLES  3.00 UNITS
Fundamental course covering the basic laws, principles and terminology of California real estate practice.
PREREQUISITE: None.

EVENING 32699
06:00PM 07:10PM  M  WEQ W7  T Wagner
02/22/16 06/06/16  Last day to add: 03/04/16

The above section is a short term hybrid class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

ONLINE 32697
ON LINE  A Miller
02/16/16 04/08/16  Last day to add: 02/24/16

The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

ONLINE 32698
ON LINE  Staff
04/18/16 06/09/16  Last day to add: 04/26/16

The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

RLE-81 REAL ESTATE PRACTICE  3.00 UNITS
Daily operations in real estate brokerage. Applies toward educational requirements for broker’s examination.
PREREQUISITE: None.

ONLINE 32700
ON LINE  T Wagner
02/16/16 04/08/16  Last day to add: 02/24/16

The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

ONLINE 32701
ON LINE  T Wagner
04/18/16 06/09/16  Last day to add: 04/26/16

The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

RLE-82 LEGAL ASPECT RL ESTAT  3.00 UNITS
California real estate law as it applies to acquisition, ownership, trust deeds, transfers, foreclosure and probate.
PREREQUISITE: None.

ONLINE 32702
ON LINE  T Wagner
02/16/16 04/08/16  Last day to add: 02/24/16

The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

ONLINE 32703
ON LINE  T Wagner
04/18/16 06/09/16  Last day to add: 04/26/16

The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

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www.norcocolegebookstore.com
RLE-83      REAL ESTATE FINANCE                    3.00 UNITS
Analysis of real estate finance in residential, apartment, commercial and special purpose properties.
PREREQUISITE: None.

ONLINE
32704        ON LINE  T Wagner
02/16/16 04/08/16  Last day to add: 02/24/16
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

RLE-85      REAL ESTATE ECON                        3.00 UNITS
Examples of trends and factors affecting real estate values, fluctuations, cycles and market trends.
PREREQUISITE: None.

ONLINE
32706        ON LINE  Staff
04/18/16 06/09/16  Last day to add: 04/26/16
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

SOCIOLOGY
SOC-1       INTRO TO SOCIOLOGY                     3.00 UNITS
An introduction to the basic concepts of societal organization.
PREREQUISITE: None.
ADVISORY: ENG-50.

32710        07:10AM 08:35AM  MW  WEQ W7  K Andacheh
Last day to add: 03/04/16
32712        08:00AM 09:25AM  TTH  WEQ W7  K Andacheh
Last day to add: 03/04/16
32711        08:45AM 10:10AM  MW  WEQ W7  K Andacheh
Last day to add: 03/04/16
32717        09:40AM 11:05AM  TTH  ATEC 114  K Andacheh
Last day to add: 03/04/16
32713        10:30AM 11:55AM  MW  WEQ W7  K Andacheh
Last day to add: 03/04/16
32716        10:30AM 01:50PM  F  ATEC 210  R Halili
02/19/16 06/03/16  Last day to add: 03/01/16
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.
32707        02:00PM 03:25PM  TTH  WEQ W7  M Ysais
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

32715        04:15PM 05:40PM  MW  ATEC 210  E Kazsuk
Last day to add: 03/04/16
32708        04:15PM 05:40PM  TTH  IT 101  M Ysais
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

SOC-2       AMER SOCIAL PROB                        3.00 UNITS
Identification and analysis of major contemporary social problems.
PREREQUISITE: None.

EVENING
32720        06:00PM 09:10PM  T  IT 109  R Halili
Last day to add: 03/04/16

SOC-3       SOCIAL INEQUALITY                       3.00 UNITS
An introduction to the theory, extent and consequences of social inequality in American society.
PREREQUISITE: None.

SOC-12      MARRIAGE FAMILY RELATIONS              3.00 UNITS
Contemporary processes and patterns in marriage and family relations.
PREREQUISITE: None.
ADVISORY: SOC-1 and ENG-50.

EVENING
32719        06:00PM 09:35PM  TH  IT 101  M Ysais
02/18/16 06/02/16  Last day to add: 02/29/16
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

SOC-20      CRIMINOLOGY                             3.00 UNITS
A sociological analysis of crime, criminal law and criminality.
PREREQUISITE: None.

EVENING
32721        06:00PM 09:10PM  W  ATEC 204  E Kazsuk
Last day to add: 03/04/16
SPANISH

ENROLLMENT GUIDELINES
SPANISH

1. If you have taken Spanish in high school or in another college or university, you must have official transcripts on file and request evaluation of the course(s) in order to enroll above level 1.

2. If you have acquired knowledge of Spanish outside of a formal educational institution, you must file a matriculation appeals petition in order to enroll above level 1.

SPA-1 SPANISH 1 5.00 UNITS
Develops basic skills in understanding, reading, communicating and writing in Spanish.
PREREQUISITE: None.
ADVISORY: Completion of placement test to assess level of proficiency in Spanish.
32726 08:00AM 10:05AM M LIBR 121 A Covarrubias
10:15AM 11:55AM M LIBR 121
08:00AM 11:10AM W LIBR 109 Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.
32725 08:00AM 01:50PM F LIBR 121 Staff
02:00PM 03:05PM F LIBR 121
02/19/16 06/03/16 Last day to add: 03/01/16
The above section is a short term class. Please note the start and end dates. Designated laboratory hours are included in the meeting times for this class.
32727 11:45AM 02:55PM M LIBR 109 A Covarrubias
11:45AM 01:50PM W LIBR 121
02:00PM 02:50PM W LIBR 121 Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.
32729 02:00PM 04:05PM T LIBR 121 N Guillen
04:15PM 05:05PM T LIBR 121
02:00PM 05:10PM TH LIBR 109 Last day to add: 03/04/16
Designated laboratory hours are included in the meeting times for this class.
32723 03:00PM 05:05PM M LIBR 121 L Gutierrez-Cortes
05:15PM 06:05PM M LIBR 121
03:00PM 06:10PM W LIBR 109 Last day to add: 03/04/16
Designated laboratory hours are included in the meeting times for this class.

SPA-2 SPANISH 2 5.00 UNITS
Further development of basic skills in understanding, reading, communicating, and writing in Spanish.
PREREQUISITE: SPA-1, 1H or 1B or qualifying placement level on the Spanish assessment test or equivalent.
32732 08:00AM 11:10AM M LIBR 121 D Solorzano
08:00AM 10:05AM W LIBR 121
10:15AM 11:05AM W LIBR 121 Last day to add: 03/04/16
Designated laboratory hours are included in the meeting times for this class.
32730 09:15AM 03:05PM F LIBR 109 P Rivera
03:15PM 04:20PM F LIBR 121
02/19/16 06/03/16 Last day to add: 03/01/16
The above section is a short term class. Please note the start and end dates. Designated laboratory hours are included in the meeting times for this class.
32731 02:00PM 05:10PM T LIBR 109 A Covarrubias
02:00PM 04:05PM TH LIBR 121
04:15PM 05:05PM TH LIBR 121 Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

SPA-3 SPANISH 3 5.00 UNITS
Development of intermediate skills in understanding, reading, communicating, and writing in Spanish.
PREREQUISITE: SPA-2 or 2H or qualifying placement level on the Spanish assessment test or equivalent.
32733 06:00PM 09:10PM T LIBR 109 I Vejar
06:00PM 08:05PM TH LIBR 121
08:15PM 09:05PM TH LIBR 121 Last day to add: 03/04/16
Designated laboratory hours are included in the meeting times for this class.

SPA-4 SPANISH 4 5.00 UNITS
Further development of intermediate skills in understanding, reading, communicating, and writing in Spanish.
PREREQUISITE: SPA-3 or 3N or qualifying placement level on the Spanish assessment test or equivalent.
32734 08:00AM 11:10AM T LIBR 109 D Hitchcock
08:00AM 10:05AM TH LIBR 121
10:15AM 11:05AM TH LIBR 121 Last day to add: 03/04/16
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THE-35 CLASSICAL ACTING-SHAKESPEARE 3.00 UNITS
Classical acting through scene study with an emphasis in Shakespeare.
PREREQUISITE: THE-32 or by audition.

32851 03:25PM 04:30PM T THTR 101 W Stevens
0:40:30PM 05:55PM T TTH TR 101
03:25PM 04:15PM T THTR 101
Last day to add: 03/04/16

The above section is a web-enhanced class. Internet access is required.

WORK EXPERIENCE

WIX-200 GENERAL WORK EXPERIENCE 1.00 UNITS
Coordinates the student's occupational experience with related instruction in skills for career planning and occupational success.
PREREQUISITE: None.
ADVISORY: Students should have paid or voluntary employment.

EVENING
32744 05:00PM 05:50PM T JFK 102 A Etchison
Last day to add: 03/04/16

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49
SHORT-TERM CLASSES

ACC-1A  PRINCIPLES OF ACCOUNTING I  3.00 UNITS
An introduction to accounting principles and procedures. Course geared to accounting and business majors.
PREREQUISITE: None.
ADVISORY: BUS-20.

32135  09:40AM 11:05AM  TTH  IT 109  P Worsham
02/16/16 04/08/16  Last day to add: 02/20/16
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.

EVENING
32132  06:00PM 09:10PM  M  IT 108  R Hurt
02/22/16 06/06/16  Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

32131  06:00PM 07:25PM  TTH  ATEC 114  Y Kirkpatrick
02/16/16 04/08/16  Last day to add: 02/20/16
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.

ONLINE
32134  ON LINE  P Worsham
02/16/16 04/08/16  Last day to add: 03/07/16
The above section is an online class that requires an on-site proctored final exam. Computer with Internet access required. See www.opencampus.com.

32852  ON LINE  P Worsham
04/18/16 06/09/16  Last day to add: 04/26/16
The above section is an online class that requires an on-site proctored final exam. Computer with Internet access required. See www.opencampus.com.

ACC-1B  PRINCIPLES OF ACCOUNTING II  3.00 UNITS
A study of managerial accounting principles and information systems.
PREREQUISITE: ACC-1A.

32141  09:40AM 11:05AM  TTH  IT 109  P Worsham
04/16/16 06/09/16  Last day to add: 04/25/16
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.

EVENING
32138  06:00PM 07:25PM  TTH  ATEC 114  Y Kirkpatrick
04/16/16 06/09/16  Last day to add: 04/25/16
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.

ONLINE
32140  ON LINE  P Worsham
04/18/16 06/09/16  Last day to add: 03/07/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

32807  ON LINE  F Pradia
02/18/16 06/02/16  Last day to add: 02/29/16

ACC-62  PAYROLL ACCOUNTING  3.00 UNITS
Studies accounting for payroll and aspects of social security, unemployment, and workers compensation, utilizing microcomputer applications.
PREREQUISITE: ACC-1A or 55.

ONLINE
32143  ON LINE  M Scott
02/16/16 04/08/16  Last day to add: 03/07/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

ONLINE
32144  ON LINE  M Scott
04/18/16 06/09/16  Last day to add: 03/07/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

ACC-65  COMPUTERIZED ACCOUNTING  3.00 UNITS
Computerized accounting through the use of commercial software accounting packages.
PREREQUISITE: ACC-1A or 55.
ADVISORY: CIS-1A or 3.

EVENING
32145  06:00PM 09:50PM  M  IT 202  P Richardson
02/22/16 06/06/16  Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

ADJ-4  LEGAL ASPECTS OF EVIDENCE  3.00 UNITS
Origin, development, philosophy, and Constitutional-based evidence. (Same as JUS-4)
PREREQUISITE: None.

EVENING
32806  04:15PM 07:50PM  M  STEM 115  M Russ
08:00PM 09:25PM  M  STEM 115
02/22/16 06/06/16  Last day to add: 03/04/16

ADJ-14  ADV CRIMINAL INVESTIGATION  3.00 UNITS
Advanced techniques of investigating crime scenes, recording and collection of evidence and understanding the more complex forensic sciences. (Same as JUS-14)

32806  04:15PM 07:50PM  M  STEM 115  M Russ
08:00PM 09:25PM  M  STEM 115
02/22/16 06/06/16  Last day to add: 03/04/16

ANT-2  CULTURAL ANTHRO  3.00 UNITS
An introduction to the anthropological concept of culture and to the methods and theories used in the comparative analysis of cultures.
PREREQUISITE: None.

32167  07:30AM 10:50AM  F  HUM 111  P Roberts
02/19/16 06/03/16  Last day to add: 03/01/16
The above section is a web-enhanced class. Internet access is required.
ANT-5 CULTURES OF ANCIENT MEXICO 3.00 UNITS
Development of civilization in ancient Mexico, from the earliest cultures to Aztec civilization, and their persistence in the modern world. 
PREREQUISITE: None.

EVENING 32809 06:00PM 09:35PM M THTR 101 C Goralski
02/22/16 06/06/16 Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

ANT-6 INTRODUCTION TO ARCHAEOLOGY 3.00 UNITS
Examination of the goals, concepts, discoveries, and methods of modern archaeology as they are used to reconstruct and interpret ancient societies. PREREQUISITE: None.

EVENING 32810 06:00PM 09:35PM TH HUM 111 A Tripp
02/19/16 06/06/16 Last day to add: 02/29/16
The above section is a web-enhanced class. Internet access is required.

ART-2 HIST ART: RENAISS/CONTEMP 3.00 UNITS
Survey of the history of Western art: Renaissance through Contemporary. PREREQUISITE: None. ADVISORY: Qualification for ENG-1A.

EVENING 32174 06:00PM 09:35PM M ATEC 114 C Goux
02/22/16 06/06/16 Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

ART-6 ART APPRECIATION 3.00 UNITS
An introductory course for the non-art major. An overview of the creative process and various art forms. PREREQUISITE: None. ADVISORY: Qualification for ENG-1A.

EVENING 32182 10:30AM 01:50PM F ATEC 114 D Martin
02/19/16 06/03/16 Last day to add: 03/01/16
The above section is a web-enhanced class. Internet access is required.

BUS-10 INTRO TO BUSINESS 3.00 UNITS
Considers scope, function and organization of business, including principles and practices, with an integrated global perspective. PREREQUISITE: None.

EVENING 32199 06:00PM 09:10PM W IT 123 T Johnson
02/22/16 06/03/16 Last day to add: 02/21/16
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.

EVENING 32200 06:00PM 09:10PM W IT 123 E Silvers
04/18/16 06/08/16 Last day to add: 04/24/16
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.

BUS-13 SUCCESSFUL BUSINESS PLAN/MODEL 2.00 UNITS
Provides a systematic process for developing a business plan/model. PREREQUISITE: None.

EVENING 32876 06:30PM 08:35PM TH STEM 301 T Johnson
02/18/16 06/02/16 Last day to add: 02/29/16
The above section is a web-enhanced class. Internet access is required.

BUS-20 BUSINESS MATH 3.00 UNITS
Introduces math based approaches to solving common business problems. Includes the areas of business statistics, pricing, payroll, taxes, interest, personal finance, and business finance. PREREQUISITE: None.

EVENING 32207 06:00PM 07:25PM TH ATEC 204 R Beck
02/18/16 06/02/16 Last day to add: 02/29/16
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.

EVENING 32209 02/18/16 04/08/16 Last day to add: 02/24/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

ONLINE 32210 02/16/16 06/09/16 Last day to add: 04/20/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

BUS-22 MGMT COMMUNICATIONS 3.00 UNITS
Examines the dynamics of organizational communication including interpersonal, verbal, nonverbal and written. PREREQUISITE: None. ADVISORY: CAT-30.

EVENING 32212 06:00PM 09:35PM M IT 211 Staff
02/22/16 06/06/16 Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
<th>PREREQUISITE:</th>
<th>Advisory: COM-51 and/or qualification for ENG-1A.</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS-47</td>
<td>APPLIED BUS, MGMT ETHICS</td>
<td>3.00</td>
<td>An examination of ethical concerns including corporate, personal, global, environmental, public related issues ethics audits, and corporate social responsibility. (Same as MAG-47)</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>32214</td>
<td>09:40AM 11:05AM TTH IT 127 G Zwart</td>
<td></td>
<td>The above section is a hybrid class. Computer with Internet access required. See <a href="http://www.opencampus.com">www.opencampus.com</a>.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUS-80</td>
<td>PRINCIPLES OF LOGISTICS</td>
<td>3.00</td>
<td>Introduction to the field of logistics and the methods for improving product distribution effectiveness.</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>32216</td>
<td>ONLINE</td>
<td></td>
<td>The above section is an online class. Computer with Internet access required. See <a href="http://www.opencampus.com">www.opencampus.com</a>.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUS-86</td>
<td>TRANSPORTATION/TRAFFIC MGMT</td>
<td>3.00</td>
<td>A study of the domestic freight transportation system, including pricing, regulation and traffic management.</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>32219</td>
<td>ONLINE</td>
<td></td>
<td>The above section is an online class. Computer with Internet access required. See <a href="http://www.opencampus.com">www.opencampus.com</a>.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUS-87</td>
<td>PURCHASING AND SUPPLY MGMT</td>
<td>3.00</td>
<td>Study of the purchasing and supply manager's role in procurement of resources that organizations need to attain goals, with emphasis on decision making, supplier integration, internal relationships, and customer service.</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>32220</td>
<td>ONLINE</td>
<td></td>
<td>The above section is an online class. Computer with Internet access required. See <a href="http://www.opencampus.com">www.opencampus.com</a>.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COM-1</td>
<td>PUBLIC SPEAKING</td>
<td>3.00</td>
<td>Prepare, present and evaluate a variety of speeches.</td>
<td>None</td>
<td>COM-51 and/or qualification for ENG-1A.</td>
</tr>
<tr>
<td>32256</td>
<td>04:15PM 05:40PM F IT 211 B Rihan</td>
<td></td>
<td>The above section is a hybrid class. Computer with Internet access required. See <a href="http://www.opencampus.com">www.opencampus.com</a>.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COM-9</td>
<td>INTERPERSONAL COMMUNICATION</td>
<td>3.00</td>
<td>Analyzes the dynamics, components and ethics of the two-person communication process in relationships.</td>
<td>None</td>
<td>COM-51 and/or qualification for ENG-1A.</td>
</tr>
<tr>
<td>32274</td>
<td>07:10AM 08:40AM MTWTH IT 206 M Lewis</td>
<td></td>
<td>The above section is a web-enhanced class. Internet access is required.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>32277</td>
<td>07:10AM 08:40AM MTWTH IT 206 M Lewis</td>
<td></td>
<td>The above section is a web-enhanced class. Internet access is required.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COM-12</td>
<td>INTERCULTURAL COMMUNICATION</td>
<td>3.00</td>
<td>Focuses on the communication behaviors and values common to all cultures and ethnic groups, and on the differences that may insulate and divide people.</td>
<td>None</td>
<td>COM-51 and/or qualification for ENG-1A.</td>
</tr>
<tr>
<td>32266</td>
<td>ONLINE</td>
<td></td>
<td>The above section is an online class. Computer with Internet access required. See <a href="http://www.opencampus.com">www.opencampus.com</a>.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAT-98A</td>
<td>INTRO TO EXCEL</td>
<td>1.50</td>
<td>An introduction to electronic spreadsheets using Excel. (Same as CIS-98A)</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>32912</td>
<td>10:30AM 11:55AM MW IT 127 B Fuller</td>
<td></td>
<td>The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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CAT-98B ADVANCED EXCEL 1.50 UNITS
Advanced spreadsheet concepts including working with large
spreadsheets, database manipulation, templates and macro preparation
and use. (Same as CIS-98B)
PREREQUISITE: CAT-98A.
32914 10:30AM 11:55AM MW IT 127 B Fuller
12:05PM 02:10PM M LIBR LRC
04/18/16 06/08/16 Last day to add: 04/22/16
The above section is a web-enhanced class. Internet access is required.
Designated laboratory hours are included in the meeting times for this class.

CIS-1A INTRO TO COMP INFO SYS 3.00 UNITS
Introduction to computer concepts, theory and computer applications.
Functions and capabilities of word processors, spreadsheets, databases,
presentation graphics and the Internet are covered through lecture,
discussion and hands-on computer assignments.
PREREQUISITE: None.
32244 10:30AM 01:50PM F ATEC 118 B Fuller
02:00PM 03:55PM F LIBR LRC
02/19/16 06/03/16 Last day to add: 03/01/16
The above section is a web-enhanced class. Internet access is required.
Designated laboratory hours are included in the meeting times for this class.

CIS-5 PROGRAM LOGIC USING C++ 4.00 UNITS
Introduction to computer science for gaming, business, scientific and
mathematical applications using C++. (Same as CSC-5)
PREREQUISITE: None.
ADVISORY: CIS-1A.
32250 08:00AM 11:20AM F IT 202 T Pryor
11:50AM 03:10PM F IT 202
02/19/16 06/03/16 Last day to add: 03/01/16
The above section is a web-enhanced class. Internet access is required.
Designated laboratory hours are included in the meeting times for this class.

CIS-98A INTRO TO EXCEL 1.50 UNITS
An introduction to electronic spreadsheets using Excel.
(Same as CAT-98A)
PREREQUISITE: None.
32911 10:30AM 11:55AM MW IT 127 B Fuller
12:05PM 02:10PM M LIBR LRC
02/17/16 04/06/16 Last day to add: 02/26/16
The above section is a web-enhanced class. Internet access is required.
Designated laboratory hours are included in the meeting times for this class.

CIS-98B ADVANCED EXCEL 1.50 UNITS
Advanced spreadsheet concepts including working with large
spreadsheets, database manipulation, templates and macro preparation
and use. (Same as CAT-98B)
PREREQUISITE: CIS-98A.
32913 10:30AM 11:55AM MW IT 127 B Fuller
12:05PM 02:10PM M LIBR LRC
04/18/16 06/08/16 Last day to add: 04/22/16
The above section is a web-enhanced class. Internet access is required.
Designated laboratory hours are included in the meeting times for this class.

CON-60 INTRO TO CONSTRUCTION 3.00 UNITS
Introduction to materials, techniques and sources of information in building
construction.
PREREQUISITE: None.
32939 10:30AM 12:05PM MTWTHF CACT 1 H Lindner
01:05PM 02:40PM MTWTHF CACT 1
02/16/16 03/04/16 Last day to add: 02/17/16

CON-62 BLUEPRINT READING 3.00 UNITS
Overview of the basic concepts of reading construction blueprints.
PREREQUISITE: None.

CON-67 MECHANICAL CODE 3.00 UNITS
Review of mechanical codes and regulations in construction.
PREREQUISITE: None.

CON-71 ENERGY CONSERVATION 1.50 UNITS
Application of current Energy Conservation Standards, regulations and
codes to residential building.
PREREQUISITE: None.

CON-72 CALIF STATE ACCESSIBILITY 1.50 UNITS
Examines the provisions of Title 24 accessibility standards of the California
Uniform Building Code.
PREREQUISITE: None.

DAN-6 DANCE APPRECIATION 3.00 UNITS
A non-technical course leading to the appreciation and understanding of
dance as communication, entertainment and art.
PREREQUISITE: None.

EAR-28 PRINCIPLES/PRACTICES 3.00 UNITS
An examination of the underlying theoretical principles of developmentally
appropriate practices as they apply to various aspects of early childhood
education.
PREREQUISITE: None.
32799 10:30AM 01:40PM F IT 209 S Sumiati
02/19/16 06/03/16 Last day to add: 03/01/16
The above section is a hybrid class that meets on alternating Fridays
beginning 2/19. Computer with Internet access required. See
EAR-38  ADULT SUPERVISION MENTOR ECE  3.00 UNITS
Methods and principles of supervising student teachers, volunteers, staff, and other adults in early care and education settings. Emphasis is on the roles and development of early childhood professionals as mentors and leaders.
PREREQUISITE: None.

EVENING
32798  06:00PM 09:35PM  TH  IT  209  T Oliver
02/18/16 06/02/16  Last day to add: 02/29/16

ELE-11  DC ELECTRONICS  4.00 UNITS
Basic DC electrical theory, devices, circuits and applications including resistors, capacitors, coils and motors.
PREREQUISITE: None.

32897  08:00AM 10:50AM  MTWTHF  CACT 1  K Mosley
11:50AM 02:40PM  MTWTHF  CACT 1
03/07/16 03/30/16  Last day to add: 03/09/16

ELE-26  MICROPROCESSORS, MICROCONTROLL  4.00 UNITS
Introduction to microprocessors and microcontrollers.
PREREQUISITE: None.
ADVISORY: ELE-25.

32899  08:00AM 10:50AM  MTWTHF  IT  124  Staff
11:00AM 11:50AM  MTWTHF  IT  124
12:50PM 02:40PM  MTWTHF  IT  124
04/01/16 05/03/16  Last day to add: 04/05/16

ELE-27  TECHNICAL COMMUNICATIONS  3.00 UNITS
Procedures for organizing and presenting technical data.
(Same as ELE-27)
PREREQUISITE: None.

32903  08:00AM 11:50AM  MTWTHF  IT  124  G Balteria
12:50PM 02:40PM  MTWTHF  IT  124
05/04/16 05/16/16  Last day to add: 05/04/16

ELE-71  RESIDENTIAL ELECTRICAL WIRING  4.00 UNITS
The foundations of electrical wiring for residential dwellings.
PREREQUISITE: None.

32895  08:00AM 10:50AM  MTWTHF  CACT 1  D Hines
11:50AM 02:40PM  MTWTHF  CACT 1
04/01/16 05/03/16  Last day to add: 04/05/16

ELE-73  ELECTRIC MTRS FOR ELECTRICIANS  4.00 UNITS
Prepares workers to plan, wire, measure and troubleshoot most standard motor types, with selected hands-on lab experiences. (Same as MAN-73)
PREREQUISITE: None.

32896  08:00AM 10:50AM  MTWTHF  CACT 1  D Hines
11:50AM 02:40PM  MTWTHF  CACT 1
05/04/16 05/27/16  Last day to add: 05/08/16

ELE-77  SURVEY OF ELECTRICAL TRADES  4.00 UNITS
Introduces students to opportunities and responsibilities in ten primary electrical trades. (Same as MAN-77)
PREREQUISITE: None.

32900  08:00AM 10:50AM  MTWTHF  IT  124  D Hines
11:00AM 11:50AM  MTWTHF  IT  124
12:50PM 02:40PM  MTWTHF  IT  124
03/07/16 03/30/16  Last day to add: 03/09/16

ELE-91  FUNDAMENTALS OF SOLAR ENERGY  3.00 UNITS
Fundamental solar energy principles and systems.
PREREQUISITE: None.

EVENING
32313  06:00PM 09:35PM  TH  IT  124  Staff
02/18/16 06/02/16  Last day to add: 02/29/16

ENE-27  TECHNICAL COMMUNICATIONS  3.00 UNITS
Procedures for organizing and presenting technical data.
(Same as ELE-27)
PREREQUISITE: None.

32902  08:00AM 11:50AM  MTWTHF  IT  124  G Balteria
12:50PM 02:40PM  MTWTHF  IT  124
05/04/16 05/16/16  Last day to add: 05/04/16

ENE-51  BLUEPRINT READING  2.00 UNITS
Beginning course in blueprint reading. This course is designed for the machine trades.
PREREQUISITE: None.

32898  10:30AM 12:05PM  MTWTHF  IT  124  G Cordier
01:05AM 02:40AM  MTWTHF  IT  124
02/16/16 03/04/16  Last day to add: 02/17/16

ENG-50  BASIC ENGLISH COMP  4.00 UNITS
Prepares students for college-level reading and academic writing.
PREREQUISITE: ENG-60B, ESL-55 or qualifying placement level.
ADVISORY: REA-82 or qualifying placement level.

EVENING
32865  06:30PM 08:35PM  TH  JFK 105  J Hill
02/18/16 06/02/16  Last day to add: 02/29/16
The above section is a hybrid class and has an 18-hour laboratory requirement to be completed online. Computer with Internet access required. See www.opencampus.com.

32387  09:00AM 09:50AM  MW          IT   121  D Mills
10:30AM 01:20PM  MWF         IT   110
02/17/16 04/08/16  Last day to add: 02/23/16
Designated laboratory hours are included in the meeting times for this class.

32384  09:00AM 09:50AM  MW          IT   121  K Anderson
10:30AM 01:20PM  MWF         IT   110
02/17/16 04/08/16  Last day to add: 02/23/16
Designated laboratory hours are included in the meeting times for this class.
ENG-60B ENGL FUND: PARAGRAPHS TO ESSAY  4.00 UNITS
This course advances basic reading, writing, and grammar skills via the production of paragraphs and short essays. (Non-degree credit course. Pass/No Pass only.)
PREREQUISITE: ENG-60A or qualifying placement level.

32888 08:00AM 10:50AM MWF IT 111 D Mills
11:00AM 11:50AM MW IT 121
04/18/16 06/08/16 Last day to add: 04/24/16
Designated laboratory hours are included in the meeting times for this class.

32887 09:00AM 09:50AM MW IT 121 K Anderson
10:30AM 10:50AM MWF IT 110
04/18/16 06/08/16 Last day to add: 04/24/16
Designated laboratory hours are included in the meeting times for this class.

GAM-79B GAME STUDIO: CHARACTER MODELING  4.00 UNITS
This is the culminating class in the area of character modeling for game art. Students work in interdisciplinary teams to develop an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables.
PREREQUISITE: GAM-34.

32426 08:00AM 11:20AM F IT 125 J Ruiz
11:50AM 03:10PM F IT 125
02/19/16 06/03/16 Last day to add: 03/01/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

GAM-79D GAME STUDIO: AUDIO  4.00 UNITS
This is the culminating class in the area of audio for game art. Students work in interdisciplinary teams to develop an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables.
PREREQUISITE: GAM-46.

32427 08:00AM 11:20AM F IT 125 J Ruiz
11:50AM 03:10PM F IT 125
02/19/16 06/03/16 Last day to add: 03/01/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

GAM-79E GAME STUDIO: GAME DESIGN  4.00 UNITS
This is the culminating class in the area of game design. Students work in interdisciplinary teams to develop an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables.
PREREQUISITE: GAM-23.

32429 08:00AM 11:20AM F IT 125 J Ruiz
11:50AM 03:10PM F IT 125
02/19/16 06/03/16 Last day to add: 03/01/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

GAM-79F GAME STUDIO: ENVIRONMENTS  4.00 UNITS
This is the culminating class in the area of developing environments and vehicles for games. Students work in interdisciplinary teams to develop an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables.
PREREQUISITE: GAM-56.

32427 08:00AM 11:20AM F IT 125 J Ruiz
11:50AM 03:10PM F IT 125
02/19/16 06/03/16 Last day to add: 03/01/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

ENG-60B ENGL FUND: PARAGRAPHS TO ESSAY  4.00 UNITS
This course advances basic reading, writing, and grammar skills via the production of paragraphs and short essays. (Non-degree credit course. Pass/No Pass only.)
PREREQUISITE: ENG-60A or qualifying placement level.

32888 08:00AM 10:50AM MWF IT 111 D Mills
11:00AM 11:50AM MW IT 121
04/18/16 06/08/16 Last day to add: 04/24/16
Designated laboratory hours are included in the meeting times for this class.

32887 09:00AM 09:50AM MW IT 121 K Anderson
10:30AM 10:50AM MWF IT 110
04/18/16 06/08/16 Last day to add: 04/24/16
Designated laboratory hours are included in the meeting times for this class.

GAM-79B GAME STUDIO: CHARACTER MODELING  4.00 UNITS
This is the culminating class in the area of character modeling for game art. Students work in interdisciplinary teams to develop an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables.
PREREQUISITE: GAM-34.

32426 08:00AM 11:20AM F IT 125 J Ruiz
11:50AM 03:10PM F IT 125
02/19/16 06/03/16 Last day to add: 03/01/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

GAM-79D GAME STUDIO: AUDIO  4.00 UNITS
This is the culminating class in the area of audio for game art. Students work in interdisciplinary teams to develop an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables.
PREREQUISITE: GAM-46.

32427 08:00AM 11:20AM F IT 125 J Ruiz
11:50AM 03:10PM F IT 125
02/19/16 06/03/16 Last day to add: 03/01/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

GAM-79E GAME STUDIO: GAME DESIGN  4.00 UNITS
This is the culminating class in the area of game design. Students work in interdisciplinary teams to develop an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables.
PREREQUISITE: GAM-23.

32429 08:00AM 11:20AM F IT 125 J Ruiz
11:50AM 03:10PM F IT 125
02/19/16 06/03/16 Last day to add: 03/01/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

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GAM-79F  GAME STUDIO: GAME PROGRAMMING  4.00 UNITS
This is the culminating class in the game programming track. Students
work in interdisciplinary teams to develop an original digital game. The
classroom production environment utilizes game industry production
practices and constructs including milestones and deliverables.
PREREQUISITE: CIS/CSC-17B, CIS/CSC-18B or GAM/CSC-52.

32430  08:00AM 11:20AM  F  IT  125  J Ruiz
11:50AM 03:30PM  F  IT  125
02/19/16 06/03/16  Last day to add: 03/01/16
The above section is a web-enhanced class. Internet access is required.
Designated laboratory hours are included in the meeting times for this
class.

GUI-45  INTRODUCTION TO COLLEGE  1.00 UNITS
Introduction to programs, resources and personal factors that contribute to
college success.
PREREQUISITE: None.

32815  09:30AM 10:20AM  TTH  IT  110  R Smith
04/19/16 06/09/16  Last day to add: 04/25/16

GUI-46  INTRO TRANSFER PROCESS  1.00 UNITS
Survey of transfer requirements with hands-on activities through the
application process for students transferring to four-year institutions.
PREREQUISITE: None.

32441  09:30AM 10:20AM  T  IT  110  L Dominguez
02/16/16 04/05/16  Last day to add: 02/20/16
The above section is a hybrid class. Computer with Internet access
required. See www.opencampus.com.

32442  09:30AM 10:20AM  TH  IT  110  D Payan
02/18/16 04/07/16  Last day to add: 02/22/16
The above section is a hybrid class that is designed for students in the
Puente Program. Computer with Internet access required. See
www.opencampus.com. Please see the Puente counselor prior to enrolling.

GUI-47  CAREER EXPLOR/LIFE PLANNING  3.00 UNITS
Designed to assist those students considering the transition of a career
change or undecided about the selection of a college major.
PREREQUISITE: None.

**EVENING**
32444  06:20PM 09:55PM  TH  WEQ W3  J Moore
02/18/16 06/02/16  Last day to add: 02/29/16

GUI-48  COLLEGE SUCCESS STRAT  2.00 UNITS
Exploration of various learning strategies. Students will identify their own
learning styles and utilize that information to succeed in college.
PREREQUISITE: None.

32816  01:00PM 03:10PM  F  IT  206  Y Haro
02/19/16 06/03/16  Last day to add: 03/01/16

HES-1  HEALTH SCIENCE  3.00 UNITS
A basic study of various aspects of health including anatomy and
physiology of the body; concepts of prevention, practical advises for
healthy life style, treatments and cure of major diseases. This course
satisfies the California requirement in drug, alcohol, tobacco and nutrition
education for teacher certification.
PREREQUISITE: None.

**EVENING**
32454  06:00PM 09:35PM  TH  WEQ W6  B Deyoung
02/18/16 06/02/16  Last day to add: 02/29/16
The above section is a web-enhanced class. Internet access is required.

HIS-6  POL SOC HIST OF US  3.00 UNITS
A history of the United States from Colonial time to 1877.
PREREQUISITE: None.
ADVISORY: REA-83 and qualification for ENG-1A.

32463  10:30AM 01:50PM  F  HUM 103  H Vion
02/19/16 06/03/16  Last day to add: 03/01/16
The above section is a web-enhanced class. Internet access is required.

**EVENING**
32464  06:00PM 09:35PM  M  HUM 103  M Hickerson
02/22/16 06/06/16  Last day to add: 03/04/16

**EVENING**
32459  06:00PM 09:35PM  TH  IT  109  M Hickerson
02/18/16 06/02/16  Last day to add: 02/29/16

HIS-7  POL SOC HISTORY OF US  3.00 UNITS
A history of the United States from 1877 to the present.
PREREQUISITE: None.
ADVISORY: REA-83 and qualification for ENG-1A.

**EVENING**
32467  06:00PM 09:35PM  TH  HUM 103  H Vion
02/18/16 06/02/16  Last day to add: 02/29/16
The above section is a web-enhanced class. Internet access is required.

**WEEKEND**
32466  08:00AM 11:20AM  S  HUM 103  M Hickerson
02/20/16 06/04/16  Last day to add: 03/02/16

**WARNING!**
REGISTRATION WILL BE BLOCKED IF YOU HAVE NOT MET
THE PREREQUISITE!

HUM-10  WORLD RELIGIONS  3.00 UNITS
Concepts of major religions including Hinduism, Buddhism, Confucianism,
Taoism, Judaism, Christianity and Islam.
PREREQUISITE: None.
ADVISORY: REA-83 and qualification for ENG-1A.

32476  10:30AM 01:50PM  F  ATEC 205  E Heimlich
02/19/16 06/03/16  Last day to add: 03/01/16
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56
### ILA-1 INTRODUCTION TO TUTOR TRAINING 1.00 UNITS
An introduction to the skills necessary for tutoring in the subject areas. Practical application of tutoring strategies, methodologies, learning styles, problem solving, and working with diverse student populations.  
**PREREQUISITE:** None.  
**ADVISORY:** Qualification for ENG-1A.

<table>
<thead>
<tr>
<th>Code</th>
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<td>F</td>
<td>LIBR 110</td>
<td>R Prior</td>
<td>03/11/16 Last day to add: 03/15/16</td>
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</table>

### KIN-38 STRESS MANAGEMENT 3.00 UNITS
Stress Management is explored through informative lectures, projects, and discussion, while the lab component offers students an opportunity to practice a variety of relaxation techniques.  
**PREREQUISITE:** None.

<table>
<thead>
<tr>
<th>Code</th>
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<td>32497</td>
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<td>MW</td>
<td>WEQ W2</td>
<td>B Wimer</td>
<td>02/17/16 Last day to add: 02/28/16</td>
</tr>
</tbody>
</table>

### LIB-1 INTRO INFORMATION LITERACY 1.00 UNITS
Presents the fundamentals of the effective use of libraries to find, evaluate, interpret, and organize information from a variety of formats.  
**PREREQUISITE:** None.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
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<td>03:00PM 04:15PM</td>
<td>W</td>
<td>IT 208</td>
<td>S Seifried</td>
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<tr>
<td>32512</td>
<td>03:00PM 04:15PM</td>
<td>W</td>
<td>IT 208</td>
<td>S Seifried</td>
<td>04/20/16 Last day to add: 04/24/16</td>
</tr>
</tbody>
</table>

### MAG-44 PRINCIPLES OF MANAGEMENT 3.00 UNITS
An overview of the concepts, processes and techniques of organizational management.  
**PREREQUISITE:** None.

#### EVENING

<table>
<thead>
<tr>
<th>Code</th>
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<td>06:25PM 10:00PM</td>
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<td>IT 111</td>
<td>L White</td>
<td>02/18/16 Last day to add: 02/29/16</td>
</tr>
</tbody>
</table>

### MAG-53 HUMAN RELATIONS 3.00 UNITS
Practical application of basic psychology in building better employer-employee relationships.  
**PREREQUISITE:** None.

#### EVENING

<table>
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<tr>
<th>Code</th>
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<td>06:30PM 09:40PM</td>
<td>T</td>
<td>IT 111</td>
<td>E Davalos</td>
<td>02/16/16 04/08/16 Last day to add: 02/20/16</td>
</tr>
</tbody>
</table>

### MAG-56 HUMAN RESOURCES MANAGEMENT 3.00 UNITS
Introduces techniques involving the selection, training, evaluation and promotion of employees.  
**PREREQUISITE:** None.

#### EVENING

<table>
<thead>
<tr>
<th>Code</th>
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<th>Location</th>
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<td>T</td>
<td>IT 111</td>
<td>E Davalos</td>
<td>04/18/16 06/09/16 Last day to add: 04/23/16</td>
</tr>
</tbody>
</table>

### MAN-55 OSHA STANDARDS FOR INDUSTRY 2.00 UNITS
OSHA policies, procedures and standards, as well as safety for general industry and health principles. Topics include scope and application of the OSHA standards for general industry.  
**PREREQUISITE:** None.

<table>
<thead>
<tr>
<th>Code</th>
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<th>Location</th>
<th>Instructor</th>
<th>Notes</th>
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<td>K Mosley</td>
<td>02/16/16 03/04/16 Last day to add: 02/17/16</td>
<td></td>
</tr>
</tbody>
</table>

### MKT-41 TECHNIQUES OF SELLING 3.00 UNITS
Studies sales communication, behavioral, ethical and philosophical factors as applied to the selling function.  
**PREREQUISITE:** None.

#### EVENING

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Notes</th>
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<td>T</td>
<td>IT 128</td>
<td>M Ferguson</td>
<td>02/16/16 04/07/16 Last day to add: 02/20/16</td>
</tr>
</tbody>
</table>

### MUS-19 MUSIC APPRECIATION 3.00 UNITS
A survey of music in the Western world focused on listening, including terminology for describing musical elements, forms, styles, and the roles of music and musicians in society.  
**PREREQUISITE:** None.

#### EVENING

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<td>32619</td>
<td>06:00PM 09:35PM</td>
<td>TH</td>
<td>IT 117</td>
<td>Staff</td>
<td>02/18/16 06/02/16 Last day to add: 02/29/16</td>
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</tbody>
</table>

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PHI-10 INTRO TO PHILOSOPHY 3.00 UNITS
Introduction to the major questions of Western philosophy and their answers.
PREREQUISITE: None.
ADVISORY: ENG-50 or 80.

32633 10:30AM 01:50PM F 02/19/16 06/03/16
32632 06:00PM 09:35PM M 02/22/16 06/06/16
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

ONLINE
32634 02/16/16 04/08/16
Last day to add: 02/24/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

PHI-11 CRITICAL THINKING 3.00 UNITS
Introduction to critical thinking as it relates to everyday experience and general knowledge.
PREREQUISITE: None.
ADVISORY: REA-82.

EVENING
32639 06:00PM 09:35PM TH 02/18/16 06/02/16
Last day to add: 02/29/16
The above section is a web-enhanced class. Internet access is required.

EVENING
32648 06:00PM 09:35PM TH 02/18/16 06/02/16
Last day to add: 02/29/16
The above section is a web-enhanced class. Internet access is required.

PHY-11 PHYSICS LAB 1.00 UNITS
A laboratory for the non-science major with emphasis on lab techniques. Student experimentation and demonstrations.
PREREQUISITE: None.
COREQUISITE: PHY-10.

EVENING
32648 06:00PM 09:35PM TH 02/18/16 06/02/16
Last day to add: 02/29/16
The above section is a web-enhanced class. Internet access is required.

EVENING
32654 06:00PM 09:35PM TH 02/18/16 06/02/16
Last day to add: 02/29/16
The above section is a web-enhanced class. Internet access is required.

POL-1 AMERICAN POLITICS 3.00 UNITS
The principles, institutions, policies, and critical issues in American politics.
PREREQUISITE: None.
ADVISORY: REA-83 and qualification for ENG-1A.

EVENING
32660 06:00PM 09:35PM M 02/22/16 06/06/16
Last day to add: 03/04/16
The above section is a web-enhanced class. Internet access is required.

EVENING
32664 06:00PM 09:35PM TH 02/18/16 06/02/16
Last day to add: 02/29/16
The above section is a web-enhanced class. Internet access is required.

PSY-1 GENERAL PSYCH 3.00 UNITS
Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.
PREREQUISITE: None.

32675 07:00AM 10:20AM F 02/19/16 06/03/16
Last day to add: 03/01/16
The above section is a web-enhanced class. Internet access is required.

32668 12:45PM 02:10PM M 02/22/16 06/06/16
Last day to add: 03/04/16
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.

EVENING
32674 06:00PM 09:35PM TH 02/18/16 06/06/16
Last day to add: 02/29/16
The above section is a web-enhanced class. Internet access is required.

WEEKEND
32676 08:00AM 11:20AM S 02/20/16 06/04/16
Last day to add: 03/02/16
The above section is a web-enhanced class. Internet access is required.

PSY-9 DEVELOPMENTAL PSYCH 3.00 UNITS
A survey of biological, cognitive and psychosocial development throughout the human life cycle from conception to death.
PREREQUISITE: None.

EVENING
32684 06:00PM 07:50PM M 02/18/16 06/06/16
Last day to add: 03/04/16
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.

WEEKEND
32682 08:00AM 11:20AM S 02/20/16 06/04/16
Last day to add: 03/02/16
The above section is a web-enhanced class. Internet access is required.

PSY-50 RESEARCH METHODS IN PSYCHOLOGY 4.00 UNITS
The study and application of scientific methods used in behavioral research.
PREREQUISITE: PSY-1 and MAT-12/12H.

32680 08:45AM 12:05PM F 02/19/16 06/03/16
Last day to add: 03/01/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

REAF-83 COLLEGE READING AND THINKING 3.00 UNITS
Intended for students who experience moderate difficulty in reading college-level materials. (Non-degree credit course.)
PREREQUISITE: REA-82 or ESL-73 or qualifying placement level.

32695 02:30PM 05:50PM F 02/19/16 06/03/16
Last day to add: 03/01/16
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.
RLE-80  REAL ESTATE PRINCIPLES  3.00 UNITS
Fundamental course covering the basic laws, principles and terminology of
California real estate practice.
PREREQUISITE: None.

EVENING  32699  06:00PM 07:10PM  M  WEQ W7  T Wagner
02/22/16 06/06/16  Last day to add: 03/04/16
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.

ONLINE  32697  ON  LINE  A Miller
02/16/16 04/08/16  Last day to add: 02/24/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

ONLINE  32698  ON  LINE  Staff
04/18/16 06/09/16  Last day to add: 04/26/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

RLE-81  REAL ESTATE PRACTICE  3.00 UNITS
Daily operations in real estate brokerage. Applies toward educational
requirements for broker's examination.
PREREQUISITE: None.

ONLINE  32700  ON  LINE  T Wagner
02/16/16 04/08/16  Last day to add: 02/24/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

ONLINE  32701  ON  LINE  T Wagner
04/18/16 06/09/16  Last day to add: 04/26/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

RLE-82  LEGL ASPECT RL ESTAT  3.00 UNITS
California real estate law as it applies to acquisition, ownership, trust
deeds, transfers, foreclosure and probate.
PREREQUISITE: None.

ONLINE  32702  ON  LINE  T Wagner
02/16/16 04/08/16  Last day to add: 02/24/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

ONLINE  32703  ON  LINE  T Wagner
04/18/16 06/09/16  Last day to add: 04/26/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

RLE-83  REAL ESTATE FINANCE  3.00 UNITS
Analysis of real estate finance in residential, apartment, commercial and
special purpose properties.
PREREQUISITE: None.

ONLINE  32704  ON  LINE  T Wagner
02/16/16 04/08/16  Last day to add: 02/24/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

ONLINE  32705  ON  LINE  T Wagner
04/18/16 06/09/16  Last day to add: 04/26/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

RLE-85  REAL ESTATE ECON  3.00 UNITS
Examples of trends and factors affecting real estate values, fluctuations,
cycles and market trends.
PREREQUISITE: None.

ONLINE  32706  ON  LINE  Staff
04/18/16 06/09/16  Last day to add: 04/26/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

SOC-1  INTRO TO SOCIOLOGY  3.00 UNITS
An introduction to the basic concepts of societal organization.
PREREQUISITE: None.
ADVISORY: ENG-50.

WEBSITE  32716  10:30AM 01:50PM  W  ATEC 210  R Halili
02/19/16 06/03/16  Last day to add: 03/01/16
The above section is a web-enhanced class. Internet access is required.

EVENING  32714  06:00PM 09:35PM  TH  IT 101  M Ysais
02/18/16 06/02/16  Last day to add: 02/29/16
The above section is a web-enhanced class. Internet access is required.

EVENING  32718  08:00AM 11:20AM  S  HUM 111  A Alvarez
02/20/16 06/04/16  Last day to add: 03/02/16
The above section is a web-enhanced class. Internet access is required.

SOC-12  MARRIAGE FAMILY RELATIONS  3.00 UNITS
Contemporary processes and patterns in marriage and family relations.
PREREQUISITE: None.
ADVISORY: SOC-1 and ENG-50.

EVENING  32719  06:00PM 09:35PM  M  HUM 111  F Vu
02/22/16 06/06/16  Last day to add: 03/04/16

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SPA-1   SPANISH 1  5.00 UNITS
Develops basic skills in understanding, reading, communicating and writing in Spanish.
PREREQUISITE: None.
ADVISORY: Completion of placement test to assess level of proficiency in Spanish.

32725  08:00AM 01:50PM  F   LIBR 121   Staff
02:00PM 03:05PM  F   LIBR 121
02/19/16 06/03/16  Last day to add: 03/01/16

Designated laboratory hours are included in the meeting times for this class.

SPA-2   SPANISH 2  5.00 UNITS
Further development of basic skills in understanding, reading, communicating, and writing in Spanish.
PREREQUISITE: SPA-1, 1H or 1B or qualifying placement level on the Spanish assessment test or equivalent.

32730  09:15AM 03:05PM  F   LIBR 109   P Rivera
03:15PM 04:20PM  F   LIBR 121
02/19/16 06/03/16  Last day to add: 03/01/16

Designated laboratory hours are included in the meeting times for this class.

THE-3   INTRO TO THE THEATER  3.00 UNITS
A survey of theatrical styles and forms intended for the general college student.
PREREQUISITE: None.

ONLINE  32740  ON LINE   W Stevens
02/16/16 04/08/16  Last day to add: 03/07/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

ONLINE  32741  ON LINE   W Stevens
04/18/16 06/09/16  Last day to add: 04/26/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.
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<th>Area B-1</th>
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<th>Area C-1</th>
<th>Area C-2</th>
<th>Area D</th>
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<td>ENG-1A-32225 (D)</td>
<td>CHE-2A-32950 (WE-LEC)</td>
<td>PHY-1A-32365 (WE-LAB)</td>
<td>BIO-1C-32954 (WE-LAB)</td>
<td>MATH-1C-32958 (WE-LAB)</td>
<td>SOCI-1-32369 (D)</td>
<td>PHI-11-32360 (D)</td>
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<td>08:15AM or 8:30AM</td>
<td>ENG-1A-32234 (D)</td>
<td>CHE-2A-32230 (WE-LEC)</td>
<td>BIO-1C-32954 (WE-LAB)</td>
<td>MATH-1C-32958 (WE-LAB)</td>
<td>HUM-11-32361 (D)</td>
<td>ENG-48-32362 (D)</td>
<td>PHI-11-32360 (D)</td>
<td>PHI-11-32360 (D)</td>
</tr>
<tr>
<td>09:00AM or 9:15AM</td>
<td>ENG-1B-32235 (D)</td>
<td>CHE-2A-32230 (WE-LEC)</td>
<td>BIO-1C-32954 (WE-LAB)</td>
<td>PHYS-2A-32365 (WE-LAB)</td>
<td>ART-7-32406 (D)</td>
<td>ENG-1B-32357 (D)</td>
<td>PHI-11-32360 (D)</td>
<td>PHI-11-32360 (D)</td>
</tr>
<tr>
<td>11:50AM or 12:05PM</td>
<td>ENG-1A-32236 (D)</td>
<td>CHE-2A-32950 (WE-LEC)</td>
<td>PHY-1A-32365 (WE-LAB)</td>
<td>BIO-1C-32954 (WE-LAB)</td>
<td>ART-7-32406 (D)</td>
<td>ENG-1B-32357 (D)</td>
<td>PHI-11-32360 (D)</td>
<td>PHI-11-32360 (D)</td>
</tr>
<tr>
<td>12:15PM or 12:30PM</td>
<td>ENG-1A-32236 (D)</td>
<td>CHE-2A-32950 (WE-LEC)</td>
<td>PHY-1A-32365 (WE-LAB)</td>
<td>BIO-1C-32954 (WE-LAB)</td>
<td>ART-7-32406 (D)</td>
<td>ENG-1B-32357 (D)</td>
<td>PHI-11-32360 (D)</td>
<td>PHI-11-32360 (D)</td>
</tr>
<tr>
<td>02:30PM or 02:45PM</td>
<td>COM-5-32975 (D)</td>
<td>ENG-18-32385 (D)</td>
<td>CHE-2A-32950 (WE-LEC)</td>
<td>PHY-1A-32365 (WE-LAB)</td>
<td>ART-7-32406 (D)</td>
<td>ENG-1B-32357 (D)</td>
<td>PHI-11-32360 (D)</td>
<td>PHI-11-32360 (D)</td>
</tr>
<tr>
<td>04:15PM or 04:30PM</td>
<td>COM-5-32975 (D)</td>
<td>ENG-18-32385 (D)</td>
<td>CHE-2A-32950 (WE-LEC)</td>
<td>PHY-1A-32365 (WE-LAB)</td>
<td>ART-7-32406 (D)</td>
<td>ENG-1B-32357 (D)</td>
<td>PHI-11-32360 (D)</td>
<td>PHI-11-32360 (D)</td>
</tr>
<tr>
<td>05:45PM or beyond</td>
<td>ENG-14-32340 (D)</td>
<td>CHE-2A-32950 (WE-LEC)</td>
<td>PHY-1A-32365 (WE-LAB)</td>
<td>ART-7-32406 (D)</td>
<td>ENG-1B-32357 (D)</td>
<td>PHI-11-32360 (D)</td>
<td>PHI-11-32360 (D)</td>
<td>PHI-11-32360 (D)</td>
</tr>
</tbody>
</table>

California State University General Education Requirements 2015-2016

Monday & Wednesday Schedule
(same Fridays, as noted)

- Arts
- Humanities
- Social Sciences
- Lifelong Learning & Self-Development

Golden 4 Courses in Areas A-1, A-2, A-3, and B-4 must be completed with a grade of "C" or better.  Excluding GEG & GEG lab and PHY-10/PHY-11; for science courses offered in Area B-1 and B-2, students will be enrolled in the lecture and lab section with the same section number.

Enrolled in the lecture and lab section with the same section number.

- Arts
- Humanities
- Social Sciences
- Lifelong Learning & Self-Development

California State University General Education Requirements 2015-2016

The courses listed below will fulfill the lower division general education requirements for all CSU campuses.  It is recommended that all students with a goal of transfer to a 4-year university develop a Student Educational Plan (SEP).  A Norco College academic counselor will assist you in developing an SEP for your specific academic goals.

The details of the CSU GE Requirement pattern can be found in the Norco College Catalog.
### Tuesday & Thursday Schedule

<table>
<thead>
<tr>
<th>Start Time</th>
<th>Area A-1</th>
<th>Area A-2</th>
<th>Area A-3</th>
<th>Area B-1</th>
<th>Area B-2</th>
<th>Area B-3</th>
<th>Area C-1</th>
<th>Area C-2</th>
<th>Area C-3</th>
<th>Area D</th>
<th>Area E</th>
<th>Area F</th>
<th>Area G</th>
<th>Area H</th>
<th>Area I</th>
<th>Area J</th>
<th>Area K</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:20AM or 08:00AM</td>
<td>COM-6-3281 (W)</td>
<td>ENG-5A-32338</td>
<td>CHE-3B-3226 (WE-LAB)</td>
<td>CHE-2A-32427 (T/LAB)</td>
<td>ANP-2A-3253 (WE-LAB)</td>
<td>ART-6A-32341 (WE)</td>
<td>MAT-12-3254</td>
<td>ART-61-32341 (WE)</td>
<td>HIS-6-32482 (D)</td>
<td>ECO-4-32504</td>
<td>POL-1-32585 (W)</td>
<td>HIS-5-32542 (W)</td>
<td>GUI-4-32466</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>08:15AM or 08:45AM</td>
<td>COM-6-3281</td>
<td>ENG-5A-32338</td>
<td>CHE-3B-3226 (WE-LAB)</td>
<td>CHE-2A-32427 (TH-LAB)</td>
<td>ANP-2A-3253 (WE-LAB)</td>
<td>ART-6A-32341 (WE)</td>
<td>MAT-12-3254</td>
<td>ART-61-32341 (WE)</td>
<td>HIS-6-32482 (D)</td>
<td>ECO-4-32504</td>
<td>POL-1-32585 (W)</td>
<td>HIS-5-32542 (W)</td>
<td>GUI-4-32466</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:20AM or 09:45AM</td>
<td>COM-6-3281</td>
<td>ENG-5A-32338</td>
<td>CHE-3B-3226 (WE-LAB)</td>
<td>CHE-2A-32427 (TH-LAB)</td>
<td>ANP-2A-3253 (WE-LAB)</td>
<td>ART-6A-32341 (WE)</td>
<td>MAT-12-3254</td>
<td>ART-61-32341 (WE)</td>
<td>HIS-6-32482 (D)</td>
<td>ECO-4-32504</td>
<td>POL-1-32585 (W)</td>
<td>HIS-5-32542 (W)</td>
<td>GUI-4-32466</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>10:05AM or 10:30AM or 11:00AM</td>
<td>COM-6-3281</td>
<td>ENG-5A-32338</td>
<td>CHE-3B-3226 (WE-LAB)</td>
<td>CHE-2A-32427 (TH-LAB)</td>
<td>ANP-2A-3253 (WE-LAB)</td>
<td>ART-6A-32341 (WE)</td>
<td>MAT-12-3254</td>
<td>ART-61-32341 (WE)</td>
<td>HIS-6-32482 (D)</td>
<td>ECO-4-32504</td>
<td>POL-1-32585 (W)</td>
<td>HIS-5-32542 (W)</td>
<td>GUI-4-32466</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:45AM or 12:00PM</td>
<td>COM-6-3281</td>
<td>ENG-5A-32338</td>
<td>CHE-3B-3226 (WE-LAB)</td>
<td>CHE-2A-32427 (TH-LAB)</td>
<td>ANP-2A-3253 (WE-LAB)</td>
<td>ART-6A-32341 (WE)</td>
<td>MAT-12-3254</td>
<td>ART-61-32341 (WE)</td>
<td>HIS-6-32482 (D)</td>
<td>ECO-4-32504</td>
<td>POL-1-32585 (W)</td>
<td>HIS-5-32542 (W)</td>
<td>GUI-4-32466</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Courses cannot be double-counted to satisfy more than one area.
Golden 4 Courses in Areas A-1, A-2, A-3, and B-4 must be completed with a grade of "C" or better.
Although not part of the GE requirement for transfer, 6 semester units of US History, Constitution and Government is a CSU graduation requirement that students may complete at Norco College prior to transfer. HIS-6 or HIS-7 or HIS-7H or HIS-1 or HIS-1H satisfy this requirement.
Courses that may be applied to one of two different areas are listed only in one area, with the second option listed in parentheses.
Courses offered in special cohorts are not listed here. Please consult the Schedule of Classes for courses offered in CAP, Honors, Puente, STEM Scholars, or T3P.
Courses subject to cancellation.
## California State University General Education Requirements 2015-2016

The courses listed below will fulfill the lower division general education requirements for all CSU campuses.

It is recommended that all student with a goal of transfer to a 4-year university develop a Student Educational Plan (SEP). A Norco College academic counselor can assist you in developing an SEP for your specific academic goals.

<table>
<thead>
<tr>
<th>Area A-1</th>
<th>Area A-2</th>
<th>Area A-3</th>
<th>Area B-1</th>
<th>Area B-2</th>
<th>Area B-3</th>
<th>Area C-1</th>
<th>Area C-2</th>
<th>Area D</th>
<th>Area E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral Communication</td>
<td>Written Communication</td>
<td>Critical Thinking</td>
<td>Physical Science</td>
<td>Life Science</td>
<td>Lab Activity</td>
<td>Mathematics/Quantitative Reasoning</td>
<td>Arts</td>
<td>Humanities</td>
<td>Social Sciences</td>
</tr>
<tr>
<td>Or</td>
<td>or</td>
<td>or</td>
<td>or</td>
<td>or</td>
<td>or</td>
<td>or</td>
<td>or</td>
<td>or</td>
<td>or</td>
</tr>
<tr>
<td>min. of 3 semester units</td>
<td>with a grade of &quot;C&quot; or better</td>
<td>min. of 9 semester units</td>
<td>3 courses from at least one course from each area</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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</table>

### Class Meeting per Week Schedule

<table>
<thead>
<tr>
<th>Day of the Week</th>
<th>Area A-1</th>
<th>Area A-2</th>
<th>Area A-3</th>
<th>Area B-1</th>
<th>Area B-2</th>
<th>Area B-3</th>
<th>Area C-1</th>
<th>Area C-2</th>
<th>Area D</th>
<th>Area E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday morning or evening</td>
<td>COM-3-32263</td>
<td>ART-2-32374 (WE)</td>
<td>HIS-6-32466 (D)</td>
<td>PHN-10-32632 (WE)</td>
<td>ANT-5-32609 (WE)</td>
<td>POL-5-32660</td>
<td>PHI-5-33068</td>
<td>PSY-5-3-3084</td>
<td>SOC-12-32719 (E)</td>
<td>LIF-1-32402 (WE)</td>
</tr>
<tr>
<td>Tuesday morning or evening</td>
<td>COM-9-32272 (D)</td>
<td>HIS-6-32469 (D)</td>
<td>EAR-42-32301 (D)</td>
<td>HIS-31-32458</td>
<td>POL-1-30861 (E)</td>
<td>PSY-1-33067</td>
<td>SOC-12-32709</td>
<td>SOC-12-32708 (WE)</td>
<td>KIN-1-32348</td>
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</tr>
<tr>
<td>Wednesday afternoon or evening</td>
<td>COM-1-32260 (WE)</td>
<td>ART-1-32384 (WE)</td>
<td>HIS-7-32472 (D)</td>
<td>HUM-10-32474</td>
<td>COD-7-32025</td>
<td>PSI-1-32669 (WE)</td>
<td>PSI-3-32825</td>
<td>PSI-3-32722 (WE)</td>
<td>PSI-3-32745</td>
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</tr>
<tr>
<td>Thursday morning or evening</td>
<td>COM-1-32257</td>
<td>HIS-6-32460 (D)</td>
<td>HIS-7-32460 (D)</td>
<td>HUM-10-32474</td>
<td>ART-3-32374 (WE)</td>
<td>HUM-10-32474</td>
<td>HUM-10-32474</td>
<td>HUM-10-32474</td>
<td>GU-48-32444</td>
<td></td>
</tr>
<tr>
<td>Friday morning or early afternoon</td>
<td>COM-1-32525 (WE)</td>
<td>ART-6-32282 (WE)</td>
<td>HIS-6-32459 (D)</td>
<td>HUM-10-32474</td>
<td>ART-3-32367 (WE)</td>
<td>PSI-3-32757 (WE)</td>
<td>PSI-3-32760</td>
<td>PSI-3-32760</td>
<td>HE-1-32445</td>
<td></td>
</tr>
<tr>
<td>Saturday morning</td>
<td>COM-1-32256</td>
<td>HIS-7-32460 (D)</td>
<td>HUM-10-32474</td>
<td>HUM-10-32474</td>
<td>ART-3-32367 (WE)</td>
<td>PSI-3-32757 (WE)</td>
<td>PSI-3-32760</td>
<td>PSI-3-32760</td>
<td>GU-48-32816</td>
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</table>

### Online Schedule

<table>
<thead>
<tr>
<th>Area A-1</th>
<th>Area A-2</th>
<th>Area A-3</th>
<th>Area B-1</th>
<th>Area B-2</th>
<th>Area B-3</th>
<th>Area C-1</th>
<th>Area C-2</th>
<th>Area D</th>
<th>Area E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral Communication</td>
<td>Written Communication</td>
<td>Critical Thinking</td>
<td>Physical Science</td>
<td>Life Science</td>
<td>Lab Activity</td>
<td>Mathematics/Quantitative Reasoning</td>
<td>Arts</td>
<td>Humanities</td>
<td>Social Sciences</td>
</tr>
<tr>
<td>Or</td>
<td>or</td>
<td>or</td>
<td>or</td>
<td>or</td>
<td>or</td>
<td>or</td>
<td>or</td>
<td>or</td>
<td>or</td>
</tr>
<tr>
<td>min. of 9 semester units</td>
<td>one from each group with a grade of &quot;C&quot; or better</td>
<td>min. of 9 semester units</td>
<td>one science course must have a lab</td>
<td>min. of 9 semester units</td>
<td>3 courses from at least one course from each area</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Length of Course</th>
<th>Area A-1</th>
<th>Area A-2</th>
<th>Area A-3</th>
<th>Area B-1</th>
<th>Area B-2</th>
<th>Area B-3</th>
<th>Area C-1</th>
<th>Area C-2</th>
<th>Area D</th>
<th>Area E</th>
</tr>
</thead>
<tbody>
<tr>
<td>full term</td>
<td>ENG-1A-32329</td>
<td>PHI-11-32638</td>
<td>ART-3-32367</td>
<td>HIS-7-32460 (D)</td>
<td>HUM-10-32474</td>
<td>THE-3-32727</td>
<td>MAT-12-32829</td>
<td>ANT-3-32609 (WE)</td>
<td>HUM-10-32474</td>
<td>POL-5-32658</td>
</tr>
<tr>
<td>online</td>
<td>ENG-1A-32329</td>
<td>PHI-11-32638</td>
<td>ART-3-32367</td>
<td>HIS-7-32460 (D)</td>
<td>HUM-10-32474</td>
<td>THE-3-32727</td>
<td>MAT-12-32829</td>
<td>ANT-3-32609 (WE)</td>
<td>HUM-10-32474</td>
<td>POL-5-32658</td>
</tr>
</tbody>
</table>

Excluding GEO & GEO & lab and PHY 10/PHY 12; for science courses offered in Area B-1 and B-2, students will be enrolled in the lecture and lab section with the same section number.

Courses that may be applied to one of two different areas are listed only in one area, with the second option listed in parenthesis.

Courses that cannot be double-counted to satisfy more than one area.

Courses subject to cancellation.

Golden 4 Courses in Areas A-1, A-2, A-3, and B-4 must be completed with a grade of "C" or better.

Although not part of the GE requirement for transfer, students must complete at least 12 semester units of US History, Constitution and Government. For students who have completed these courses at another college prior to transfer, they may be applied toward the GE requirement.

Students are encouraged to complete at least 12 semester units of US History, Constitution and Government prior to transfer.
Failure to report for scheduled final examinations may result in a failing grade for the course. In case of illness or other emergency, the student must report to the instructor’s office or department prior to the beginning of the examination.

Final examinations for evening (4:30PM and later) and Saturday and Sunday classes will be held at the time and place of the regular class meeting on the following dates:

- Monday, June 6
- Tuesday, June 7
- Wednesday, June 8
- Thursday, June 9

Classes meeting two nights per week will not meet the first meeting and shall use the second meeting for the final exam.

EXCEPTION: any class meeting Tues & Thursday evening will hold final exams on the evening of Tues, June 7th.

Final Examination Schedules are specific to each college, and are to be used to determine the final examination dates for classes that are held only at that college.

Final examination for classes shorter than a full semester will be held on the last class meeting date.

The chart below details the final examination schedule for full-semester weekday classes. Choose the block that most closely matches the time and day the class meets, and that does not result in a conflict with other classes that are also scheduled within that same block. The date of the final examination will occasionally be scheduled on a day that the class does not normally meet. Note the start time and arrive promptly.

For classes not on the grid or conflicts that cannot be resolved, instructors will consult the department chair and the Norco College Dean of Instruction for resolutions.

* If you have two finals scheduled at the same time, see your instructors to schedule an alternate time for one of your finals.

† Evening classes that meet Thursday only will hold their final exam on the evening of Thursday, June 2.

<table>
<thead>
<tr>
<th>Examination Dates</th>
<th>Start 08:00AM – End 10:30AM</th>
<th>Start 11:00AM – End 01:30PM</th>
<th>Start 02:00PM – End 04:30PM</th>
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</thead>
<tbody>
<tr>
<td><strong>Thursday†</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>June 2</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evening classes meeting Thursdays only will hold their final exam on the evening of Thursday, June 2.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Friday</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>June 3</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>F 07:00-10:10</td>
<td>F 10:30-01:40</td>
<td>F 01:00-07:35</td>
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<tr>
<td>F 07:00-01:35</td>
<td>F 11:35-03:50</td>
<td>F 01:10-05:25</td>
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<td>F 07:10-11:25</td>
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<td>F 02:30-05:40</td>
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</tr>
<tr>
<td>F 08:00-02:35</td>
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</tr>
<tr>
<td>F 08:45-01:00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Monday</strong></td>
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<td></td>
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</tr>
<tr>
<td><strong>June 6</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>MWF 07:00-08:35</td>
<td>MWF 10:30-11:20 (11:40)</td>
<td>MW 02:00-04:05</td>
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</tr>
<tr>
<td>MWF 07:10-08:35</td>
<td>MWF 10:30-11:45 (11:55)</td>
<td>MWF 02:30-03:20 (03:40)</td>
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</tr>
<tr>
<td>MW 07:10-08:35</td>
<td>MW 10:30-11-55</td>
<td>MWF 02:30-03:40 (03:55)</td>
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</tr>
<tr>
<td>MTWTh 07:10-08:35</td>
<td>MWF 10:30-12-05</td>
<td>MW 02:30-03-55</td>
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<tr>
<td>MW 07:15-09:45</td>
<td>MW 10:30-12-35</td>
<td>MWF 02:30-03-05</td>
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</tr>
<tr>
<td>MW 07:20-08:10 (08:30)</td>
<td>MW 10:30-12-05</td>
<td>MW 02:30-03-05</td>
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</tr>
<tr>
<td>MTWTh 07:20-08:30</td>
<td>MW 10:30-12-35</td>
<td>MWF 02:30-03-05</td>
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</tr>
<tr>
<td>MW 07:50-10:20</td>
<td>MW 10:30-12-35</td>
<td>MW 02:30-03-05</td>
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<tr>
<td>MW 08:00-10:05</td>
<td>MW 10:30-01-00</td>
<td>MW 02:30-03-05</td>
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</tr>
<tr>
<td>MWF 08:00-10:05</td>
<td>MW 11:15-01:45</td>
<td>MW 02:30-03-05</td>
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<tr>
<td>MW 08:15-10:20</td>
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</tr>
<tr>
<td>MWF 08:15-10:20</td>
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</tr>
<tr>
<td><strong>Tuesday</strong></td>
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<td></td>
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</tr>
<tr>
<td><strong>June 7</strong></td>
<td></td>
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<tr>
<td>MTW 07:00-09:05</td>
<td>MTWTh 02:00-03:10</td>
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<td><strong>Wednesday</strong></td>
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<td>MTWTh 11:15-12:40</td>
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* If you have two finals scheduled at the same time, see your instructors to schedule an alternate time for one of your finals.
† Evening classes that meet Thursday only will hold their final exam on the evening of Thursday, June 2.