Members in attendance: Elena Pravosudova, David Shintani, Kambiz Raffiee, Tom Harrison, Indira Chatterjee, Ivy Chin, Fred Holman, Shanon Taylor, Kara Cleveland for David Zeh, Jeane Hilton for Mary Hylton, Donica Mensing for David Ryfe, Jane Detweiler, Robbyn Tolles for Gwen Shonkwiler, Katherine McCall for Gina Tempel.
Ex-Officio members in attendance: Joe Cline, Katy Schleef, Dianne Hilliard, Brady Janes, Janet Stake
Guests: Stephanie DeBoor – NURS, Meri Shadley – CAS; Daniel Shapiro – MED; Sonja Pippin – ACC; Gary Johnson – MED; Thom Seal – MET; Miles Greiner – ME.

### Proposed Changes in Degrees, Majors, and Courses

<table>
<thead>
<tr>
<th>COB</th>
<th>AIS</th>
<th>ACC 401R 113799 Prereq change</th>
<th>Approved</th>
<th>OLD PRE/COREQ</th>
<th>NEW PRE/COREQ</th>
<th>Grad Council Approval / Core Board</th>
<th>WB/WM</th>
<th>CCN</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td>N/A</td>
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</tr>
</tbody>
</table>

**Approved OLD PRE/COREQ**

None

**Approved NEW PRE/COREQ**

ACC 201 with a "C" or better; ACC 202 with a "C" or better.

Transfer agreements: No changes anticipated

Implementation: SP15 – offered scheduled term

<table>
<thead>
<tr>
<th>DHS</th>
<th>CAS</th>
<th>UG CR-PEER SUPPORT Create new certificate</th>
<th>Approved</th>
<th>Peer Support Specialist in Behavioral Health, Certificate</th>
<th>Students must complete the following:</th>
<th>Grad Council Approval / Core Board</th>
<th>WB/WM</th>
<th>CCN</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Approved</td>
<td>Peer Support Specialist in Behavioral Health, Certificate</td>
<td>CAS 154 – Problems of Substance Abuse and Addiction (3 units)</td>
<td>N/A</td>
<td>NO/NA</td>
<td>N/A</td>
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</table>

<table>
<thead>
<tr>
<th>DHS</th>
<th>CHS</th>
<th>MR-CHS M203 Program changes</th>
<th>Approved</th>
<th>Community Health Sciences, Minor</th>
<th>A. Required courses (12 9 units):</th>
<th>Grad Council Approval / Core Board</th>
<th>WB/WM</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Approved</td>
<td>Community Health Sciences, Minor</td>
<td>CHS 101R - Introduction to Community Health Sciences (3 units)</td>
<td>N/A</td>
<td>NO/NA</td>
<td>N/A</td>
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</table>
CHS 200 - Introduction to Public Health Biology (3 units)  OR
CHE 280 – Introduction to Biostatistics in Public Health

CHS 310 – Health and Wellness Communication (3 units)  OR
CHS 340 – Policy Issues in Health and Society (3 units)

B. Elective courses (6 – 9 units)
Choose from any CHS course numbered 300 - 499.

Total Units (18 units)

Transfer agreements: N/A
Implementation: FL14

<table>
<thead>
<tr>
<th>DHS</th>
<th>MED</th>
<th>EMER 661C</th>
<th>Create new course – coincides with ownership change of PEDI 661D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Approved</td>
<td>Add: Electives – Pediatric Emergency Medicine</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(0 units)</td>
<td>Introduce medical students to clinical evaluation and management of acutely ill and injured children in an emergency room setting.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Abbrev: Elec-Pediatric Emergency Med</td>
<td>Offerings: Every Fall and Spring</td>
</tr>
<tr>
<td></td>
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<td>Transfer agreements: N/A</td>
<td>Implementation: FL14</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ownership change approved by Marsha Read</td>
<td>NO/NA N/A</td>
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<table>
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<tr>
<th>DHS</th>
<th>MED</th>
<th>FCM 661Y</th>
<th>Create new course</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Approved</td>
<td>Add: Elective - Medical Experience at Burning Man Event</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(0 units)</td>
<td>Participate in urgent and emergent care at the Burning Man Event under the supervision of the medical care teams from UNSOM and Humboldt General Hospital.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Abbrev: Elec Burning Man Medical Exp</td>
<td>Offerings: Every Fall</td>
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<tr>
<td></td>
<td></td>
<td>Transfer agreements: N/A</td>
<td>Implementation: FL14</td>
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<td></td>
<td></td>
<td>N/A</td>
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<table>
<thead>
<tr>
<th>DHS</th>
<th>MED</th>
<th>IMED 662G</th>
<th>Create new course</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Approved</td>
<td>Add: Health Care Issues of Sex Workers</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(0 units)</td>
<td>Elective about sex workers of different types. Medical and social issues that are important in working with them to improve sensitivity to sex worker’s needs.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Abbrev: Elec Healthcare of Sex Workers</td>
<td>Offerings: Every Fall and Spring</td>
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<td>Implementation: FL14</td>
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<th>MED</th>
<th>IMED 662H</th>
<th>Create new course</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Approved</td>
<td>Add: Elective - Community Outreach Clinic (ViMSNV)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(0 units)</td>
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<tr>
<td></td>
<td></td>
<td>Ownership change approved</td>
<td>NO/NA N/A</td>
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</table>
| DHS  | NURS  | Elective working with UNSOM and community faculty in providing care to the underserved population at the Volunteers in Medicine of Southern Nevada (ViMSNV) clinic. This course is repeatable. Abbrev: Elec Comm Outreach Clinic Offerings: Every Fall and Spring Transfer agreements: N/A Implementation: FL14 | Approved
OLD: Advanced Primary Care I Practicum
NEW: Management of Acute Illnesses in the Primary Care Setting
Abbrev: Mgt Acute Ill Pri Care Setting
Offerings: Every Spring
Transfer agreements: N/A
Implementation: SP15 - – offered scheduled term |
<p>| DHS  | NURS  | NURS 751R 114226 Change course title, remove “R” | N/A NO/NA N/A |
| DHS  | NURS  | NURS 753S 110913 Change course title, remove “S” | N/A NO/NA N/A |
| DHS  | NURS  | NURS 754R 114295 Change course title, remove “R” | N/A NO/NA N/A |
| DHS  | NURS  | NURS 755R 110915 Change course title; remove “R” | N/A NO/NA N/A |</p>
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<th>NURS 756R</th>
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<td>Change course title, remove “R”</td>
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<tr>
<td></td>
<td></td>
<td>OLD: Advanced Primary Care II</td>
<td>NEW: Role of the FNP in Managing Family Health in Primary Care</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Abbrev: Role FNP Fam Hlth Prim Care</td>
<td>Offerings: Every Summer</td>
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<td>OLD: Advanced Primary Care III</td>
<td>NEW: Role of the FNP Managing Chronic Illness in Primary Care</td>
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<td>Abbrev: Role FNP Mgt Chron Ill Pri Car</td>
<td>Offerings: Every Fall</td>
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<td>Transfer agreements: N/A</td>
<td>Implementation: SP15 - – offered scheduled term</td>
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<td>Change course title, remove “R”</td>
<td>Approved</td>
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<tr>
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<td></td>
<td>OLD: Advanced Primary Care IV</td>
<td>NEW: Role of the FNP in Managing Complex Illness in Primary Care</td>
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<tr>
<td></td>
<td></td>
<td>Abbrev: Role FNP Mgt Cmplx Ill Pri Car</td>
<td>Offerings: Every Spring</td>
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<td>Transfer agreements: N/A</td>
<td>Implementation: SP15 – offered scheduled term</td>
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<td></td>
<td>Change course title and number becoming NURS 752</td>
<td>Approved</td>
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<tr>
<td></td>
<td></td>
<td>OLD: Advanced Primary Care II Practicum</td>
<td>NEW: Family Health in the Primary Care Setting</td>
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<tr>
<td></td>
<td></td>
<td>Abbrev: Family Health in Primary Care</td>
<td>Offerings: Every Summer</td>
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<td>Transfer agreements: N/A</td>
<td>Implementation: SP15 - – offered scheduled term</td>
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<th>RN-BSN 5376</th>
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<tr>
<td></td>
<td></td>
<td>Program changes</td>
<td>Approved: need cleaned-up catalog copy; change reduces program credits to 124</td>
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<tr>
<td></td>
<td></td>
<td>A. Nursing Major Requirements for RN/BSN (29 25 units)</td>
<td>NURS 414R - Concepts &amp; Theories of Professional Nursing (4 units)</td>
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<tr>
<td></td>
<td></td>
<td>NURS 418R - Nursing Research (3 units)</td>
<td>NURS 435R - Community and Population Health: Theory (4 units)</td>
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<tr>
<td></td>
<td></td>
<td>NURS 438R - Community and Population Health: Practice (4 units)</td>
<td>NURS 445R - Advanced Leadership and Management for Professional Nursing (3 units)</td>
</tr>
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</table>
| DHS | SW | SW 321 113305 Change components; remove ENG 101 from prereq | **Approved** | **OLD: Basics of Professional Communication**  
(3 units)  
Development of basic communication and observational skills needed for subsequent social work methods courses.  
Prerequisite(s): SW 101 ; SW 250 ; PSY 101 ; ENG 101 ; ENG 102 .  
Units of Lecture: 2  
Units of Laboratory/Studio: 1 | **NEW: Basics of Professional Communication**  
(3 units)  
Development of basic communication and observational skills needed for subsequent social work methods courses.  
Prerequisite(s): SW 101 ; SW 250 ; PSY 101 ; ENG 102 .  
Units of Lecture: 3 | Abbrev: Basic Prof Communication  
Offerings: Every Fall  
Transfer agreements: No changes anticipated  
Implementation: – offered scheduled term |  
| ED | ED | EDSP 681 Create new course | **Approved Pending rewrite of SLOs**  
**ADD: Characteristics and Needs of Gifted and Talented Students**  
(3 units)  
Historical and cultural perspectives and current research relevant to social and emotional issues of gifted students. Topics include perfectionism, over-sensitivities, gender, underachievement, and special populations.  
Abbrev: Char & Needs-Gift/Tal Students  
Offerings: Every Fall  
Transfer agreements: N/A  
Implementation: FL14 |  
| ED | ED | EDSP 682 Create new course | **Approved Pending rewrite of SLOs**  
**ADD: Assessment of Gifted and Talented Students**  
(3 units) |  |
<table>
<thead>
<tr>
<th>ED</th>
<th>ED</th>
<th>EDSP 683</th>
<th>Create new course</th>
<th>Models for evaluation for gifted learners, assessment techniques and awareness of the influences of language, culture, ethnicity, gender, and exceptionality on recognition and identification of giftedness.</th>
<th>N/A</th>
<th>NO/NA</th>
<th>N/A</th>
</tr>
</thead>
</table>
| ED | ED | EDSP 684 | Create new course | **Approved Pending rewrite of SLOs**  
**ADD: Methodology and Strategies for Teaching Gifted and Talented Students**  
(3 units)  
Explores programming, strategies, assessment, project based learning, differentiation, and teaching models for teachers to be effective in working with students who are identified as gifted and talented. | N/A | NO/NA | N/A |
| ED | ED | HDFS 700 | Create new course | **Approved Pending rewrite of SLOs**  
**ADD: Elementary/Secondary Curriculum in Gifted Education**  
(3 units)  
Programming, strategies, and curriculum models to be effective in working with gifted and talented students with special attention to project based learning and differentiation. | N/A | NO/NA | N/A |
| EN | CEE | CEE 371R | 101943 | **Approved**  
OLD PRE_COREQ CEE 371R  
NEW PRE/CoreQ  
CS 241; MATH 285 with a “C” or better.  
CEE 303; MATH 285 with a “C” or better. | N/A | NO/NA | N/A |
Transfer agreements: N/A
Implementation: SP15 – Offered scheduled term

<table>
<thead>
<tr>
<th>EN</th>
<th>CSE</th>
<th>Program changes</th>
<th>Approved Digital Interactive Games, Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>This minor is open to all students at the university. Students who complete the minor have a strong technical foundation in the theory and practice of using computing principles to create digital interactive games. In addition to the general university requirements of at least a “C” (2.0) GPA for graduation, all Digital Interactive Games minors must earn at least a “C” in those minor courses designated with an asterisk (*) and a “C” average for all courses used to satisfy the minor requirements.</td>
</tr>
<tr>
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</table>
|  |  |  | A. Required Courses *(12 – 15 units depending on major)*
|  |  |  | For non-Computer Science and Engineering majors (15 units):
|  |  |  | CS 135 - Computer Science I (3 units)*
|  |  |  | CS 202 - Computer Science II (3 units)*
|  |  |  | CS 302 - Data Structures (3 units)*
|  |  |  | CS 328 - Fundamentals of Game Design (3 units)
|  |  |  | CS 381 - The Game Development Pipeline (3 units)
|  |  |  | For Computer Science and Engineering majors (12 units):
|  |  |  | CS 328 – Fundamentals of Game Design
|  |  |  | CS 381 – The Game Development Pipeline
|  |  |  | CS 480 – Graphics
|  |  |  | CS 482 – Artificial Intelligence
|  |  |  | B. Additional Courses *(6 – 9 units depending on major)*: The remaining courses can be drawn from computer science and engineering, art or journalism and they can be tailored to your interests in the field, such as artificial intelligence, interactive media, or graphics. **CSE majors must take at least one 3 credit course that does not count towards their major.** Eligible elective courses include:
|  |  |  | CS 420 – Human Computer Interaction
|  |  |  | CS 480 – Graphics
|  |  |  | CS 481 – Advanced Game Development
|  |  |  | CS 482 – Artificial Intelligence
|  |  |  | CS 483 – Artificial Intelligence Programming
|  |  |  | CPE 481 – Embedded Games Development
|  |  |  | ART 345 – Sound and Image
|  |  |  | ART 350 – Advanced Digital Media
|  |  |  | ART 441 – Seminar on Art and Technology
|  |  |  | ART 451 – Problems in Digital Media
|  |  |  | JOUR 354 – Game Design for Journalists
|  |  |  | JOUR 451 – Interactive Media
|  |  |  | N/A | NO/NA | N/A |
**Additional Upper-Division courses (6 units)** - choose from a list of approved courses for this minor maintained on the Department's website.

Total Units (21 units)

Transfer agreements: N/A
Implementation: FL14

<table>
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<tr>
<th>EN</th>
<th>EBME</th>
<th>BS-EE 4149 Program changes; clarifying asterisked courses</th>
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<tr>
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<tr>
<td></td>
<td></td>
<td>Electrical Engineering, B.S. in E.E.</td>
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<tr>
<td></td>
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<td>I. University Core Curriculum Requirements (37-45 units)</td>
</tr>
<tr>
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<td>NOTE: Refer to the Core Curriculum chapter of this catalog for information regarding the “Core English and Math Completion Policy”.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A. English (3-8 units) Refer to the “English” section of the Core Curriculum chapter in this catalog.</td>
</tr>
<tr>
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<td></td>
<td>NOTE: Students who place in ENG 102 are not required to complete ENG 101.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B. Mathematics (4 units) Refer to the “Mathematics” section of the Core Curriculum chapter in this catalog.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>* MATH 181 - Calculus I (4 units)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C. Natural Sciences (8 units) CHEM 201 - General Chemistry for Scientists and Engineers I (4 units) OR CHEM 121A - General Chemistry I (3 units) * AND CHEM 121L - General Chemistry Laboratory I * (1 unit)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>* PHYS 180 - Physics for Scientists and Engineers I (3 units) * AND PHYS 180L - Physics for Scientists and Engineers Laboratory I (1 unit) *</td>
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<tr>
<td></td>
<td></td>
<td>D. Social Sciences (3 units) ECON 102 - Principles of Microeconomics (3 units)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E. Fine Arts (3 units) Students must take a three-unit course that satisfies the Core Curriculum Fine Arts and Diversity requirements, see list below. If the student is unable to take a class that fulfills both Fine Arts and Diversity, the student will need to take an additional course.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>* DAN 266 - History of Dance II: 20th Century (3 units)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>* THTR 210 - Theatre: a Cultural Context (3 units)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>F. Core Humanities (9 units) Refer to the “Core Humanities” section of the Core Curriculum chapter in this catalog.</td>
</tr>
</tbody>
</table>
### G. Capstone Courses (7 units)
- EE 490 - Electrical Projects Laboratory (3 units)
- EE 491 - Engineering Design/Analysis (4 units)

### H. Diversity (0-3 units)
Students must take a three-unit course that satisfies the Core Curriculum Fine Arts and Diversity requirements, see list below. If the student is unable to take a class that fulfills both Fine Arts and Diversity, the student will need to take an additional course.
- DAN 266 - History of Dance II: 20th Century (3 units)
- THTR 210 - Theatre: a Cultural Context (3 units)

### II. Additional College Requirements (0 units)

### III. Major Requirements (89 units)

#### A. Communications (3 units)
- ENGR 301 - Engineering Communication (3 units)

#### B. Mathematics and Sciences (20 units)
- MATH 182 - Calculus II (4 units)
- MATH 283R - Calculus III (4 units)
- MATH 285 - Differential Equations (3 units)
- MATH 330 - Linear Algebra (3 units)
- MATH 352 - Probability and Statistics (3 units) OR
- STAT 352 - Probability and Statistics (3 units)
- PHYS 181 - Physics for Scientists and Engineers II (3 units)

#### C. Engineering Science and Design Courses (45 units)
- CS 135 - Computer Science I (3 units)
- CEE 241 - Statics (3 units) OR
- ME 241 - Statics (3 units)
- CPE 201 - Digital Design (3 units)
- CPE 301 - Embedded Systems Design (3 units)
- ENGR 100 - Introduction to Engineering Design (3 units)
- EE 120 - Fundamentals of Electrical Engineering (3 units)
- EE 220L - Circuits I Laboratory (1 unit)
- EE 220 - Circuits I (3 units)
- EE 221 - Circuits II (3 units)
- EE 291 - Computer Methods for Electrical Engineers (3 units)
- EE 320L - Electronics I Laboratory (1 unit)
- EE 320R - Electronics I (3 units)
- EE 330R - Engineering Electromagnetics (3 units)
- EE 340 - Power System Fundamentals (3 units)
<table>
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<th>Units</th>
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<tbody>
<tr>
<td>EE 362</td>
<td>Signals and Systems</td>
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<tr>
<td>EE 370L</td>
<td>Control Systems I Laboratory</td>
<td>1</td>
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<tr>
<td>EE 370R</td>
<td>Control Systems</td>
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<td>EE 490</td>
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<td>EE 491</td>
<td>Engineering Design/Analysis</td>
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<tr>
<td>ENGR 490</td>
<td>Fundamentals of Engineering Exam</td>
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NOTE: CPE 201 and CPE 301 were offered for 4 units prior to Spring 2014.

D. Technical Electives (48 units)

E. Free Technical Elective (3 units)

Choose an upper-division course in biology, business, mathematics, chemistry, or physics.

IV. Minor Requirements (0 units)

V. Electives (0-3 units)

VI. Total Units (129 units)

* Must complete these courses with at least a “C”

VII. Recommended Schedule for the General, Renewable Energy Emphases

A. First Year

Fall Semester (17 units)
- CHEM 201 - General Chemistry for Scientists and Engineers I (4 units) OR
  - CHEM 121A - General Chemistry I (3 units) AND
  - CHEM 121L - General Chemistry Laboratory I (1 unit)
- ENGR 100 - Introduction to Engineering Design (3 units)
- ENG 101 - Composition I (3 units)
- MATH 181 - Calculus I (4 units)
- Core Curriculum Fine Arts/Diversity (3 units)

Spring Semester (17 units)
- CS 135 - Computer Science I (3 units)
- EE 120 - Fundamentals of Electrical Engineering (3 units)
- ENG 102 - Composition II (3 units)
- MATH 182 - Calculus II (4 units)
- PHYS 180 - Physics for Scientists and Engineers I (3 units)
- PHYS 180L - Physics for Scientists and Engineers Laboratory I (1 unit)

B. Second Year

Fall Semester (16 units)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>CEE 241</td>
<td>Statics (3 units)</td>
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<tr>
<td>ME 241</td>
<td>Statics (3 units)</td>
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</tr>
<tr>
<td>EE 291</td>
<td>Computer Methods for Electrical Engineers (3 units)</td>
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</tr>
<tr>
<td>CPE 201</td>
<td>Digital Design (3 units)</td>
<td></td>
</tr>
<tr>
<td>MATH 283R</td>
<td>Calculus III (4 units)</td>
<td></td>
</tr>
<tr>
<td>MATH 330</td>
<td>Linear Algebra (3 units)</td>
<td></td>
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<tr>
<td>PHYS 181</td>
<td>Physics for Scientists and Engineers II (3 units)</td>
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Spring Semester (16 units)

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<tbody>
<tr>
<td>EE 220L</td>
<td>Circuits I Laboratory (1 unit)</td>
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<tr>
<td>EE 220</td>
<td>Circuits I (3 units)</td>
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<tr>
<td>EE 291</td>
<td>Computer Methods for Electrical Engineers (3 units)</td>
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</tr>
<tr>
<td>CPE 301</td>
<td>Embedded Systems Design (3 units)</td>
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</tr>
<tr>
<td>CH 201</td>
<td>Ancient and Medieval Cultures (3 units)</td>
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</tr>
<tr>
<td>MATH 285</td>
<td>Differential Equations (3 units)</td>
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<tr>
<td>MATH 330</td>
<td>Linear Algebra (3 units)</td>
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C. Third Year

Fall Semester (16 units)

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>EE 221</td>
<td>Circuits II (3 units)</td>
<td></td>
</tr>
<tr>
<td>EE 320L</td>
<td>Electronics I Laboratory (1 unit)</td>
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<tr>
<td>EE 320R</td>
<td>Electronics I (3 units)</td>
<td></td>
</tr>
<tr>
<td>EE 362</td>
<td>Signals and Systems (3 units)</td>
<td></td>
</tr>
<tr>
<td>CH 202</td>
<td>The Modern World (3 units)</td>
<td></td>
</tr>
<tr>
<td>MATH 352</td>
<td>Probability and Statistics (3 units)</td>
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</tr>
<tr>
<td>STAT 352</td>
<td>Probability and Statistics (3 units)</td>
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Spring Semester (16 units)

<table>
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<tr>
<td>CH 203</td>
<td>American Experiences and Constitutional Change (3 units)</td>
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<tr>
<td>EE 330R</td>
<td>Engineering Electromagnetics (3 units)</td>
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</tr>
<tr>
<td>EE 370L</td>
<td>Control Systems I Laboratory (1 unit)</td>
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<tr>
<td>EE 370R</td>
<td>Control Systems (3 units)</td>
<td></td>
</tr>
<tr>
<td>EE 340</td>
<td>Power System Fundamentals (3 units)</td>
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<tr>
<td>ENGR 301</td>
<td>Engineering Communication (3 units)</td>
<td></td>
</tr>
<tr>
<td>ECON 102</td>
<td>Principles of Microeconomics (3 units)</td>
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D. Fourth Year

Fall Semester (15 units)

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>EE 490</td>
<td>Electrical Projects Laboratory (3 units)</td>
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<tr>
<td>ENGR 490</td>
<td>Fundamentals of Engineering Exam (0 units)</td>
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<tr>
<td>ENGR 301</td>
<td>Engineering Communication (3 units)</td>
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<tr>
<td>Technical Electives (12 units)</td>
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</tbody>
</table>

Technical Electives (42 units)
Spring Semester (16 units)
- EE 491 - Engineering Design/Analysis (4 units)
- ECON 102 - Principles of Microeconomics (3 units)
- Free Technical Elective (3 units)
- Technical Electives (6 units)

Note(s):
* In addition to the general university requirements of at least a "C" (2.0) average for graduation, engineering students must earn at least a "C" in those courses designated with an asterisk (*) and must also maintain at least a "C" average in the Core Curriculum Mathematics, Natural Sciences, and the major requirements courses.

NOTE: EE 220L, EE 220, EE 221, CPE 201 and CPE 301 are offered every semester; EE 191, EE 291, EE 320L, EE 320R, EE 362 and EE 490 are offered during the fall semester; EE 120, EE 330R, EE 340, EE 370L, EE 370R and EE 491 are offered during the spring semester.

VII. Recommended Schedule for the Biomedical Engineering Emphasis

A. First Year – Fall Semester (17 units)
- CHEM 121A* - General Chemistry (3 units) and
- CHEM 121L* - General Chemistry Laboratory (1 unit) or
- CHEM 201* - General Chemistry for Scientists and Engineers (4 units)
- ENGR 100 – Introduction to Electrical Engineering (3 units)
- ENG 101 – Composition I (3 units)
- MATH 181* – Calculus I (4 units)
- CS 135* – Computer Science I (3 units)

B. First Year – Spring Semester (17 units)
- MATH 182* - Calculus II (4 units)
- PHYS 180* - Physics for Scientists and Engineers I (3 units)
- PHYS 180L* - Physics for Scientists and Engineers I (1 unit)
- EE 120 – Fundamentals of Electrical Engineering (3 units)
- CPE 201 – Introduction to Computer Engineering (3 units)
- ENG 102 – Composition II (3 units)

C. Second Year – Fall Semester (16 units)
- PHYS 181* - Physics for Scientists and Engineers II (3 units)
- MATH 283* - Calculus III (4 units)
- MATH 330* – Linear Algebra (3 units)
- CEE 241/ME 241* (3 units)
- CPE 301 – Microprocessor System Design (3 units)
D. Second Year – Spring Semester (16 units)
CH 201 – Ancient and Medieval Culture (3 units)
EE 220* - Circuits I (3 units)
EE 220L – Circuit Lab (1 unit)
MATH 285* - Differential Equations (3 units)
EE 291 – Computer Methods for EE (3 units)
BIOL 190 – Introduction to Cell and Molecular Biology (3 units)

E. Third Year – Fall Semester (16 units)
CH 202 – The Modern World (3 units)
EE 221 – Circuits II (3 units)
EE 320 – Electronics (3 units)
EE 320L – Electronics Lab (1 unit)
EE 362 – Signals and Systems (3 units)
EE 102 – Economics (3 units)

F. Third Year – Spring Semester (16 units)
CH 203 – American Experiences and Constitutional Changes (3 units)
EE 370 – Control Systems I (3 units)
EE 370L – Control System Lab (1 unit)
EE 330 – Engineering Electromagnetics (3 units)
CHEM 220A – Introduction to Organic Chemistry (3 units)
Core Fine Arts/Diversity (3 units)

G. Fourth Year – Fall Semester (16 units)
EE 490 – Electrical Projects Laboratory (3 units)
ENGR 490 – Fundamentals of Engineering Exam (0 units)
BIOL 191 – Introduction to Organismal Biology I (3 units)
BME 401 – Introduction to Biomedical Engineering (3 units)
MATH 352* – Probability and Statistics (3 units)
BCH 400 – Introductory Biochemistry (4 units)

H. Fourth Year – Spring Semester (15 units)
EE 491 – Engineering Design/Analysis (4 units)
BME 426 – Biomedical Instrumentation (3 units)
Technical Electives: to be selected from the technical elective list (5 units)
ENGR 301 – Engineering Communication (3 units)

Science and Technical Electives

General Emphasis
Senior-year technical electives consist of 21 units. **Three units must be an upper division course in Biology, business, mathematics, chemistry or physics. The remaining eighteen units** must be electrical engineering units chosen from courses in the six areas listed below. Students must have at least one course in the five areas of electronics, communications, control, fields, and power. Courses in each elective area are:

Communication:
- EE 410L - Optical Fiber Communication Laboratory (1 unit)
- EE 410 - Optical Fiber Communication (3 units)
- EE 461R - Stochastic Systems (3 units)
- EE 463R - Communication Systems (3 units)
- EE 465 - Wireless Sensor Networks (3 units)
- EE 480 - Digital Signal Processing (3 units)
- EE 492G - Seminar (1 to 4 units)

Computer:
- CPE 400 - Computer Communication Networks (3 units)
- EE 426R - Microprocessor Applications (3 units)

Control:
- EE 471 - Control Systems II (3 units)
- EE 472 - Digital Control Engineering (3 units)

Electronics:
- EE 420 - Electronics II (3 units)
- EE 421 - Digital Electronics (3 units)
- EE 423 - Integrated Circuit Engineering (3 units)
- EE 424R - Biomedical Instrumentation (3 units)

Fields:
- EE 433 - Distributed Systems and Antenna Design (3 units)
- EE 434R - Electromagnetic Compatibility (3 units)
- EE 435R - Electracoustics (3 units)
- EE 436R - Microwave Engineering (3 units)
- EE 436L - Microwave Engineering Laboratory (1 unit)

Power:
- EE 440 - Power Systems Analysis (3 units)
- EE 441 - Electrical Machines (3 units)
EE 442 - Power Electronics (3 units)
EE 443 - Electric Power Distribution (3 units)
EE 444 - Power System Protection (3 units)
EE 445R - Power System Operation with Renewable Energy Sources (3 units)

The remaining technical elective units may include:
At most, three units of internship may apply here.
EE 296 - Internship I (1 unit)
EE 396 - Internship II (1 unit)
EE 496 - Internship III (1 unit)
EE 492
EE 493 (up to 3 units total)
any EE course listed above under one of the six elective areas
additional technical courses pre-approved by the department

Renewable Energy Emphasis
This emphasis, administered by the EBME Department, leads to a Bachelor of Science degree in Electrical Engineering. The program is designed for the student seeking a degree in electrical engineering with an emphasis on renewable energy. The required courses are identical to those for a regular BS in EE degree. The senior year technical electives consist of 21 units.

At least twelve of these units must be taken from electrical engineering courses listed below:
EE 440 - Power Systems Analysis (3 units)
EE 441 - Electrical Machines (3 units)
EE 442 - Power Electronics (3 units)
EE 443 - Electric Power Distribution (3 units)
EE 444 - Power System Protection (3 units)
EE 445R - Power System Operation with Renewable Energy Sources (3 units)

The remaining technical elective units may include:
EE 240 - Fundamentals & Economics of Renewable & Nonrenewable Energy (3 units)
CEE 388 - Engineering Economy (2 units)
CEE 411 - Environmental Law (3 units)
CHE 410R - Renewable Energy Systems (3 units)
ME 311 - Engineering Thermodynamics I (3 units)
ME 474 - Active Solar Engineering (3 units)
PSC 403B - Energy Politics and Policy (3 units)

Internship
EE 296 - Internship I (1 unit)
EE 396 - Internship II (1 unit)
EE 496 - Internship III (1 unit) (up to 3 credits)
additional technical courses pre-approved by the department.

Biomedical Engineering Emphasis
This emphasis, administered by the EBME Department, leads to a Bachelor of Science degree in Electrical Engineering. The program is designed for the student seeking a degree in electrical engineering with an emphasis in biomedical engineering. Except for EE 340, the required courses are identical to those for a regular BS in EE degree. Additional required introductory
courses are BIOL 190, BIOL 191 and CHEM 220A.

The senior year technical electives consist of 15 units. Technical electives must include Required Courses (10 units):
- BCH 400 - Introductory Biochemistry (4 units)
- BME 401 - Introduction to Biomedical Engineering (3 units)
- BME 426 - Biomedical Instrumentation (3 units)

Technical Electives (5 units)
The remaining technical elective credits may include:
- EE 420 - Electronics II (3 units)
- EE 421 - Digital Electronics (3 units)
- EE 426R - Microprocessor Applications (3 units)
- EE 433 - Distributed Systems and Antenna Design (3 units)
- EE 410 - Optical Fiber Communication (3 units) AND
- EE 410L - Optical Fiber Communication Laboratory (1 unit)
- EE 471 - Control Systems II (3 units)
- EE 472 - Digital Control Engineering (3 units)
- EE 480 - Digital Signal Processing (3 units)
- EE 492G - Seminar (1 to 4 units)

**BIOL 315R - Cell Biology (3 units)**
BIOL 405 - Molecular Biology (3 units) (prerequisite BIOL 315R)
MICR 453 - Immunology (3 units)
BIOL 315R - Cell Biology (3 units)

**EE 296, EE 396, EE 496 (up to 3 units)**

Internship
At most, three units of internship may apply here.
- EE 296 - Internship I (1 unit)
- EE 396 - Internship II (1 unit)
- EE 496 - Internship III (1 unit)

Transfer agreements: Changes required
Implementation: FL14

<table>
<thead>
<tr>
<th>EN</th>
<th>ME</th>
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</thead>
<tbody>
<tr>
<td>ME 691</td>
<td>Create new course</td>
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</table>

**Approved**
**ADD: ASME Pressure Vessel Code for Nuclear Transport and Storage**
(1 unit) Guidance for ASME Pressure Vessel Code application to nuclear transport and storage. Addresses design, fabrication, examination, and testing of package and cask to meet Code and regulatory requirements.

**Prereq:** Bachelor's degree in Mechanical Engineering or related field and a basic knowledge of nuclear engineering and regulatory requirements for transportation and storage is required.
Knowledge of the following areas is beneficial: design and testing of radioactive material package and used fuel storage cask; engineering mechanics and heat transfer; and material science (physical metallurgy, corrosion/protect and welding engineering).

Abbrev: ASME Code for Package and Cask
Offerings: Every Spring
Transfer agreements: N/A
Implementation: SP15

EN ME

ME 692
Create new course

Approved
ADD: Quality Assurance for Transport packaging and Storage Cask
(1 unit)
Development of QA requirements for design, procurement, fabrication, examination, and testing of radioactive material packaging and storage casks to satisfy regulatory requirements.

Prereq: Bachelor’s degree in Mechanical Engineering or related field, and basic knowledge of DOE/NRC regulatory requirements for transportation packaging and storage casks is required. Knowledge in application of quality assurance in the nuclear field is extremely useful.

Abbrev: QA for Packaging & Casks
Offerings: Every Spring
Transfer agreements: N/A
Implementation: SP15

EN ME

ME 694
Create new course

Approved
ADD: Nuclear and Other Radioactive Materials Transport Security
(2 units)
International and U.S. domestic requirements for security during the transport of nuclear and other radioactive materials. Use of transport security plans, readiness reviews and corrective actions.

Prereq: A bachelor’s degree in Mechanical Engineering or related field. Basic knowledge of nuclear physics and regulatory requirements for safe transport of radioactive materials.

Abbrev: Nuclear Transport Security
Offerings: Every Fall
Transfer agreements: N/A
Implementation: FL15

LBA COM

BA-COM 3191
Program changes

Approved
III. Major Requirements (33 units)
COM 101 - Oral Communication (3 units) OR
COM 217 - Argumentation and Debate (3 units)
COM 113 - Fundamentals of Speech Communication (3 units)
COM 212 - Introduction to Communication Research (3 units)

COM 311 – Communication Research Methods (3 units)
Communication studies electives (24 units) (A minimum of 15 credits must be 300-400 level.)

Note(s):
In addition to the general university requirements of at least a “C” (2.0) average for graduation, Communication Studies majors must earn at least a “C” in the required major courses.

Transfer agreements: Changes required
Implementation: FL14

<table>
<thead>
<tr>
<th>LBA</th>
<th>COM</th>
<th>BA-COM 3191 GPA Changes</th>
<th>Approved</th>
<th>Ansari Building, Room 624 (775) 784-6839</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td></td>
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<td>The department offers the Bachelor of Arts degree with a major in Communication Studies. Admission to the Communication Studies major requires an overall university grade-point average of 2.50 based on at least 16 resident credits, or an overall GPA of 2.75 for the last 30 semester credits earned. Students intending to major in Communication Studies who are lacking sufficient credits or grade points may declare as pre-majors and receive advisement accordingly. <strong>In addition to the general university requirements of at least a “C” (2.0) average for graduation, communication studies majors must earn at least a “C” in each of the required major courses.</strong></td>
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Transfer agreements: No changes anticipated
Implementation: FL14

<table>
<thead>
<tr>
<th>LBA</th>
<th>ENG</th>
<th>ENG 740 Create a new course</th>
<th>Approved Pending suggested changes to SLOs</th>
<th><strong>ADD: English Studies and Public Intellectualism</strong> (4 units)</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Theory and practice of public engagement from the perspective of English studies.</td>
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<tr>
<td></td>
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<td>Abbrev: Public Intellectualism</td>
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<td>Offerings: Every Spring – Even Years</td>
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<th>BIOL</th>
<th>Prereq changes</th>
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<th>NEW PRE/COREQ</th>
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<tr>
<td></td>
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<td>COURSE</td>
<td>BIOL 192; CHEM 122A and CHEM 122L or CHEM 202; MATH 127 or higher.</td>
<td>BIOL 191; CHEM 122A and CHEM 122L or CHEM 202; BIOL 192 or NRES 211; MATH 127 or higher.</td>
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<td>BIOL 192; BIOL 314.</td>
<td>BIOL 191; BIOL 192 or NRES 211; BIOL 314.</td>
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<td>STAT 152 or APST 270; BIOL 192; BIOL 314</td>
<td>STAT 152 or APST 270; BIOL 191; BIOL 192 or NRES 211; BIOL 314.</td>
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<td>BIOL 192; CHEM 121A/ CHEM 121L or CHEM 201.</td>
<td>BIOL 191; BIOL 192 or NRES 211; CHEM 121A and CHEM 121L or...</td>
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CHEM 201.

BIOL 429  BIOL 192.
BIOL 431  BIOL 192.
BIOL 432*  BIOL 192.
BIOL 433*  BIOL 192.
BIOL 434R  BIOL 190; BIOL 191; BIOL 192.
BIOL 437  BIOL 192.
BIOL 475*  NONE

Transfer agreements: N/A
Implementation: SP15 – *offered scheduled term

SCI  MET

MET 725  Create new course

Approved Pending suggested changes to SLOs
ADD: Advanced Comminution
(3 units)
Advanced quantitative and descriptive treatment, the underlying theories and fundamentals of
the unit operations used in sampling, liberation and sizing of ores.

Abbrev: Advanced Comminution
Offerings: Other
Transfer agreements: N/A
Implementation: FL14

ITEMS PENDING GRAD COUNCIL

PROPOSED CHANGES

<table>
<thead>
<tr>
<th>DHS</th>
<th>CHS</th>
<th>MPH 5095</th>
<th>Create new emphasis</th>
</tr>
</thead>
</table>

Approved

I. Contact Information

School of Community Health Sciences
203 Lombardi
(775) 784-1857
Dr. Wei Yang, Graduate Program Director
(775) 682-7094
weiyang@unr.edu

II. Brief Introduction

The School of Community Health Sciences offers a graduate degree program leading to a master of
public health (M.P.H.). Emphases in the MPH in Biostatistics, Epidemiology, Health Administration
and Policy, and Social and Behavioral Health; as well as dual degrees of MSN/MPH and MD/MPH are
currently offered. Students are admitted to the master in public health degree program on a competitive
basis. They must have an undergraduate degree from an accredited college or university to be accepted
to the graduate program. No specific undergraduate major is required, but in order to be accepted in full

Grad Council Approval

APPROVED GC 2/25/14
standing to the graduate program, the applicant should demonstrate evidence of course-work in healthrelated disciplines and/or health-related professional experience. Examples include courses in anatomy, physiology, epidemiology, health care ethics, exercise physiology, health communication, health policy, gerontology, kinesiology, nutrition, physical education, and recreation. Given the transdisciplinary nature of the program, students are encouraged to make their best case for the relevance of the undergraduate work they would like to be considered as meeting the above requirement.

III. Program Objectives/Student Learning Outcomes
The goal of the Master of Public Health (M.P.H.) program is to prepare students to be effective public health professionals. Public health professionals work in a variety of organizations and agencies to contribute to the common aim of promoting and protecting health in human populations.

IV. Admission Requirements
Admissions Deadline
January 10, 2014*
*MPH applications are accepted once per year (summer admission). If you miss the deadline and would like to discuss enrolling in graduate special coursework that could be applied to the MPH program, please contact Dr. Wei Yang, Graduate Director, at weiyang@unr.edu.

Admissions Requirements
The Admissions Committee places emphasis on the diversity of our graduate students who have the qualifications and credentials to succeed in public health practice. The multi-faceted nature of the public health profession now demands students from diverse educational as well as professional backgrounds. We welcome inquiries and applications from anyone who has a passion for improving the health of our communities. Therefore, while we seek students who meet BOTH University of Nevada, Reno (UNR) and School of Community Health Sciences (public health) (SCHS) requirements for graduate status, we consider other important attributes such as volunteer and professional experiences, career objectives, and potential to contribute to the public health profession.

An applicant who has one or more deficiencies in admission requirements or in prerequisite coursework may be admitted on a provisional basis. Provisional admits can become regular admits after making up the deficiency and obtaining above a 3.0 GPA in coursework.

Prospective students must meet BOTH University of Nevada, Reno (UNR) and School of Community Health Sciences (public health) (SCHS) requirements for graduate status.

1. Baccalaureate degree from an accredited institution of higher learning, with an undergraduate grade point average (GPA) of 3.0 or higher on a 4-point scale. If you graduated from an international college or university, please contact the Graduate School for approval of your undergraduate degree for graduate studies at UNR.

2. Graduate Record Exam (GRE) combined score of 300 (verbal plus quantitative scores), with both verbal and quantitative scores above the 40th percentile. Other graduate entrance examinations are also acceptable (e.g. MCAT, DAT, GMAT, LSAT, OAT, USMLE and NBVME) with a score equivalent to the GRE combined score of 300. The GRE is not required for applicants who have already obtained a Ph.D., M.D., D.D.S., Dr.PH, or Master Degrees from approved institutions.

3. Three letters of recommendation from individuals familiar with prior academic and/or professional performance.

4. Written statement of purpose. The essay should be at least 500 words in length, outlining the student’s interest in public health, potential research interests, and specifying the MPH track of interest (Biostatistics, Epidemiology, Social Behavioral Health, or Health Administration and
5. Current resume or curriculum vitae (CV) which demonstrates evidence of professional and/or educational health-related experience.
6. Academic health-related writing sample.
7. Test of English as a Foreign Language (TOEFL) scores for applicants from non-English speaking nations with a minimum score of 550 for the TOEFL paper exam, 80 for the internet-based exam, or IELTS score of 6.5.

Prerequisite Coursework
Completion in an undergraduate or graduate course in statistics. The statistics requirement must be met prior to taking CHS 780: Biostatistics in Public Health and CHS 712: MPH Epidemiology.
Completion of an undergraduate or graduate course in patho-physiology. Students not meeting this requirement must complete CHS 200: Public Health Biology.

Application Process
There are two separate applications necessary for admission to the Master of Public Health program: one set of materials is to be sent directly to the Admissions Committee at the School of Community Health Sciences and the other directly to the Graduate School of the University of Nevada, Reno. Before applying for admission, please note the admissions requirements.

Application 1:
The following materials are required for consideration for admission to the Master of Public Health program. These materials should be sent directly to the MPH Admissions Committee at:

MPH Admissions Committee
School of Community Health Sciences/MS0274
University of Nevada, Reno
Reno, NV 89557
Phone: (775) 784-4041
Email: sph@unr.edu

Three letters of recommendation from individuals familiar with prior academic and/or professional performance. Letters should be sent directly to the MPH Admissions Committee at the above address.

Written statement of purpose. Essay requirements listed in the following document: Statement of Purpose Guidelines. The essay can be submitted in hard copy with other application materials or sent on-line to the MPH program at sph@unr.edu.

Standardized test scores (other than GRE). If you are submitting a standardized test score other than the GRE, send scores directly to the MPH Admissions Committee at the address above. Applicants that have already achieved a PhD, MD, DDS, DrPH, or other Masters Degrees from an approved institution will not need to take the GRE.

Current resume or curriculum vitae (CV) which demonstrates evidence of professional and/or educational health-related experience.

Application 2:
The following materials should be sent directly to the Graduate School of the University of Nevada, Reno at:

Graduate Admissions
Graduate School/MS 326
University of Nevada, Reno
Reno, NV 89557-0035
Phone: (775) 784-6869
Email: gradschool@unr.edu

Students with degrees from US accredited institutions should submit the following:

- Two official copies of transcripts from all undergraduate and graduate institutions attended.
• One official copy of GRE scores. If you are submitting standardized test scores other than the GRE, send them directly to the MPH Admissions Committee.
• Graduate School Application – http://www.unr.edu/grad/
• A nonrefundable $60 ($40 for returning students and University of Nevada, Reno alumni) check or money order payable to the Board of Regents.

Students with degrees from non-US institutions should submit the following:
• Two official copies of transcripts from all undergraduate and graduate institutions attended.
• One official copy of GRE scores. If you are submitting standardized test scores other than the GRE, send them directly to the MPH Admissions Committee.
• One official copy of TOEFL scores, if required.
• One copy of Resident Alien card, if applicable.
• International Student Application – http://www.unr.edu/oiss/admissions/index.html
• A nonrefundable $95 check or money order payable to the Board of Regents.

V. Program Requirements
The M.P.H. degree is a 45 credit minimum program that includes a core curriculum of 18 credits in research methods, biostatistics, social/behavioral health, epidemiology, environmental health, and health administration. In addition, all M.P.H. students must complete a 6-credit practicum and 3 credits in an M.P.H. capstone course. Students must also complete all required courses in one of the emphases and a minimum of 6 credits of electives.

In addition, students who have not completed a course in disease processes, pathophysiology, or a related course must complete CHS 200 - Introduction to Public Health Biology (credits for this course do not count toward a graduate degree) or test out of the course.

A. Core curriculum Requirements (18 units)
   CHS 700R - Research Methods for Public Health (3 units)
   CHS 701 - Social and Behavioral Dimensions of Health (3 units)
   CHS 712 - Epidemiology in Public Health (3 units)
   CHS 725 - Health and the Environment (3 units)
   CHS 755 - Health Policy and Administration (3 units)
   CHS 780 - Biostatistics in Public Health (3 units)

B. Culminating Experience (3 units)
   CHS 695R - Special Problems in Public Health (1 to 3 units) (MPH Capstone)

C. Practicum Requirement (6 units)
   CHS 798 - Field Studies in Public Health (6 units)

Note(s):
The practicum is an important element of the M.P.H. curriculum through which the student obtains experience in a practice setting appropriate to the development of professional practice skills.

D. Emphasis–18 units minimum
Choose one of the following emphases:

Biostatistics Emphasis (18 units)
The Biostatistics emphasis provides training in statistical theory and methodology with applied research experience. It focuses on developing students’ skills in the statistical analysis and interpretation of heath research data. Besides core MPH courses, the biostatics curriculum further focus on the statistical procedures, techniques and the methodology used in public health
**practice and research.**

**a) Required Courses (12 units)**
- CHS 703R – Applied Health Data Analysis (3 units)
- CHS 754 – Health Informatics Methods (3 units)
- CHS 782 Analysis of Categorical data (3 units)
- CHS 785 – Statistical Methods for Cohort Study (3 units)

**b) Elective Courses (6 units)**
Choose electives with advisor approval

<table>
<thead>
<tr>
<th>i. Epidemiology Emphasis (18 units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>The epidemiology emphasis is designed for students seeking to acquire skills in the fundamental methods of disease investigation and prevention in large populations. Courses emphasize basic and advanced epidemiologic principles and their application to current problems in public health and related appropriate methods to plan, implement, and conduct epidemiologic research. Students are also expected to critically evaluate research methodology to assess validity and potential sources of bias. Skills in computer use and statistics acquired in the public health program are used to analyze, interpret, and disseminate the results of epidemiologic investigations.</td>
</tr>
</tbody>
</table>

- **a) Required Courses (12 units)**
  - CHS 703R - Applied Health Data Analysis (3 units)
  - CHS 708 - Epidemiology II (3 units)
  - CHS 709 - Epidemiologic Research Design and Planning (3 units)
  - CHS 753 - Health Informatics (3 units)

- **b) Eligible Elective Courses (6 units)**
  Choose two of the following courses:
  - CHS 706 - Social Epidemiology (3 units)
  - CHS 707 - Hiv/Aids Epidemiology (3 units)
  - CHS 722 - Epidemiology of Chronic Diseases (3 units)
  - CHS 723 - Epidemiology of Infectious Diseases (3 units)
  - CHS 724 - Environmental Epidemiology (3 units)
  - CHS 735 - Introduction to Exposure Assessment and Control (3 units)
  - CHS 739 - Cancer Epidemiology (3 units)
  - CHS 740 - Epidemiology of Cardiovascular Diseases (3 units)
  - CHS 748 - Epidemiologic Surveillance (3 units)
  - CHS 749 - Outbreak Investigation (3 units)
  - CHS 781 - Environmental and Occupational Health Risk Assessment (3 units)
  - CHS 782 - Analysis of Categorical Data (3 units)
  - CHS 783R - Regression and Multivariate Analysis in Health Sciences (3 units)
  - CHS 784 - Conduct and Analysis of Clinical Trials (3 units)
  - Other electives with advisor approval

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<thead>
<tr>
<th>ii. Social and Behavioral Health Emphasis (18 units)</th>
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<tr>
<td>Social and behavioral health examines the psychological, behavioral, social, cultural, and institutional factors that affect individual and population health. The social and behavioral health MPH emphasis is designed for students interested in health promotion, health education, and the prevention and reduction of health disparities over the life course. Social/behavioral health researchers and practitioners solve</td>
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</table>

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May 5, 2014
University Courses & Curricula Committee Minutes
Page 23 of 31
public health problems through public health policy, services, and interventions at the individual, family, community, and societal level. In their concentration courses, students are trained to apply health promotion and behavior change theories to design, implement, and evaluate public health policies and programs.

a) Required Courses (12 units)
   - CHS 705 - Theoretical Foundations of Health Promotion (3 units)
   - CHS 720 - Program Planning and Grant Writing (3 units)
   - CHS 721 - Program Evaluation in Public Health (3 units)
   - CHS 746 - Cultural Diversity Issues in Public Health (3 units)

b) Elective Courses (6 units)
Choose two of the following courses (all courses are three credits unless otherwise noted):
   - CHS 605 - Spirituality and Health (3 units)
   - CHS 626 - Medical Anthropology (3 units)
   - CHS 627 - Toxic Communities and Public Health (3 units)
   - CHS 648 - Research Ethics in the Health Sciences (3 units)
   - CHS 661 - The World’s Health (3 units)
   - CHS 676 - AIDS: Psychosocial and Health Care Concerns (3 units)
   - CHS 695R - Special Problems in Public Health (1 to 3 units)
   - CHS 706 - Social Epidemiology (3 units)
   - CHS 711 - Advocacy in Health Promotion (3 units)
   - CHS 738 - Public Health and Aging (3 units)
   - CHS 782 - Analysis of Categorical Data (3 units)
   - CHS 785 - Public Health Ethics (3 units)
   - CHS 791 - Seminar in Public Health (1 to 3 units)
   - Other electives with advisor approval

VI. Health Administration and Policy Emphasis (18 units)
The Health Administration and Policy emphasis is designed for students interested in pursuing leadership and administrative positions in a range of public health and health services organizations. The curriculum centers on management principles, information management, policy development and understanding, systems approaches, and other methods to advance the health of communities. Graduates are prepared for a full range of careers in public health and health care administration, including management, consulting, planning, and marketing positions in a variety of health-related settings (such as hospitals, government agencies, health systems, nonprofits, ambulatory care facilities, insurers, and managed care organizations).

a) Required Courses (12 units)
   - CHS 720 - Program Planning and Grant Writing (3 units)
   - CHS 741 - Methods in Health Policy Analysis (3 units)
   - CHS 756 - Organizational Behavior in Health Services (3 units)
   - CHS 758 - Information Systems in Health Services Management (3 units)

b) Elective Courses (6 units)
Students may sign up for electives in other departments with advisor approval. It is the student’s responsibility to obtain approval and determine if prerequisites are needed BEFORE signing up for the course.

VI. Total Units (45 units)
VII. Notes
For the master’s program, classes are offered during the day, in the evening, and through alternative scheduling formats to accommodate full-time students and working professionals.

VIII. Undergraduate Prerequisites
All applicants are required to take undergraduate courses in statistics. In addition, students who have not completed a course in disease processes, pathophysiology, or a related course must complete CHS 200 - Introduction to Public Health Biology (credits for this course do not count toward a graduate degree) or test out of the course.

Transfer agreements: N/A
Implementation: FL14

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<td>Contact Information:</td>
<td>Secondary Education, Teacher Licensure</td>
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<tr>
<td></td>
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<td>Margaret M. Ferrara, PhD, Associate</td>
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<td>Professor Coordinator of Secondary</td>
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<td>Education College of Education</td>
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<td><a href="mailto:ferrara@unr.edu">ferrara@unr.edu</a></td>
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<td>775-682-7530</td>
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<td>II. Brief Introduction</td>
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<td>enables students who have</td>
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<td>licensed to teach in Nevada. This</td>
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<td>Program should the student decide to</td>
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<td>III. Program Objectives/Student Learning Outcomes</td>
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<td>Unlike the previous Professional Degree</td>
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<td>program in Secondary Education, the</td>
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<td>Certificate Program includes only</td>
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<td>graduate courses that lead to</td>
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<td>certification. In this way, students</td>
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<td>are engaged in learning through</td>
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<td>advanced courses in curriculum,</td>
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<td>instruction, and assessment along</td>
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<td>with students in graduate level</td>
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<td>programs (e.g., Master of Education</td>
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<td>in Secondary Education). As part of this</td>
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<td>program, students will:</td>
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<td>1. Complete an innovative licensure</td>
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<td>and endorsement program that meets the</td>
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<td>needs for school districts to prepare</td>
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<td>teachers and other professionals in</td>
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<td>potential shortage areas in classrooms</td>
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<td>(e.g., the sciences and mathematics).</td>
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<td>2. Be engaged in opportunities to</td>
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<td>continue on beyond the licensure</td>
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<td>program to complete a terminal</td>
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<td>graduate degree in a Master of</td>
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<td>Education in Secondary Education or a</td>
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<td>Master of Arts or a Master of Science</td>
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<td>in Secondary Education.</td>
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<td>3. Demonstrate sound and meaningful</td>
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<td>skills to work in a school setting</td>
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<td>to provide sound and engaging learning</td>
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<td>and content for the 21st century’s</td>
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<td>classroom learners.</td>
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</table>

Approved GC 3/25/2014
### IV. Admission Requirements

Students need to have an earned bachelor's degree. Their undergraduate GPA must be a 2.5 or better on a 4.0 scale. Students need to submit an application; a signed disposition sheet (NCATE set of beliefs in place in the College of Education); transcripts from all previous college work (unless already on file at UNR); an essay of three to five pages, which discusses the candidate's understanding of the purpose of public education and how the complex issues facing secondary educators are going to affect the candidates as a teacher; a resume or curriculum vitae focusing on education-related experiences; and two letters of recommendation that support the candidate's ability to be successful working with students in a learning setting. In addition, the candidate needs to meet pre-professional Praxis I testing requirements. The new test will be available on July 1, 2014.

### V. Program Requirements

Program completers are those who meet the requirements in Nevada Constitution, US History and Nevada School Law, and complete all licensure coursework including the student teaching internship. Students will be required to take CTL 702, EDSP 611, CTL 620, a content methods course, CTL 650, a family engagement course, and the internship or an appropriate substitution.

- CTL 702 – 3 units
- CTL 650 – 4 units
- CTL 620 0r sub – 3 units
- EDSP 611 – 3 units
- Content Methods – 3 units
- Family Involvement – 3 units
- Internship – 9 units
- Additional Course for English majors only – 3 units

### VI. Total Units: 28-31

Transfer agreements: N/A
Implementation: FL14

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**Approved**

### Literacy Studies, M.Ed.

#### I. Contact Information
Diane Barone
Foundation Professor of Literacy Studies
Editor of the Reading Teaching
College of Education/299
barone@unr.edu

#### II. Brief Introduction

The online master’s program at the University of Nevada, Reno offers licensed teachers the opportunity to develop advanced knowledge in the area of Literacy Studies. The online Master of Education (M.Ed.) degree is a rigorous academic curriculum intended for the practicing educator. This degree is 32 units for a non-thesis option with a comprehensive exam or 33 units for a thesis option degree. The degree focuses on research-based literacy instruction from the perspective of Multiple Literacies. Literacy in contemporary society is undergoing change as a
result of social, cultural, economic, and technological practices and advances. As a result of these changes, literacy encompasses many new ways of reading and writing; literate practices are not limited to print decoding or cognitive strategies used for comprehensive or composition. Educators in modern society must attend to the myriad and complex ways that social groups construct and disseminate meanings through new and evolving literate practices. The online master's program places special emphasis on the many literacies used in modern society and assumes a critical perspective about relationships between literacies and empowerment in a multicultural and pluralistic world.

III. Program Objectives/Student Learning Outcomes
The program objectives for the online master’s program are aligned with International Reading Association’s Standards for Reading Professionals. Graduates of the Online Multiple Literacies Master’s program will be able to:
- demonstrate foundational knowledge of literacy and literacy development,
- use curricular and instructional knowledge to meet the literacy needs of diverse students,
- use a variety of assessment tools to determine learning needs and objectives,
- engage students in literacy practices that develop awareness and respect for differences in our society,
- apply a multiple literacies perspective and employ multiple literacies tools in literacy instruction and assessment,
- create a literate environment for students, and
- value the importance of professional learning and leadership in literacy.

Student learning outcomes include summative assessments for each course which demonstrate learning in one or more of the above objectives. Students complete the comprehensive exam or a master’s thesis, based on their enrollment in the thesis or non-thesis option, and this final paper demonstrates learning for all of the program objectives.

IV. Admission Requirements
Priority consideration will be given to M.Ed. graduate program applicants who meet the requirements of the graduate degree admission status listed below:

1. meet the Graduate School admission requirements;
2. have an overall cumulative GPA of 2.75 or better (on a 4-point scale) or 3.0 for the last half of the undergraduate degree;
3. **Submit GRE scores; This is a new addition to our admission requirements.**
4. submit TOEFL scores (international applicants only);
5. complete the Graduate School application
6. complete the Literacy Studies Program Application, including:
   a. application form,
   b. a signed dispositions statement for the degree sought,
   c. confidential letters of recommendation from two persons who can comment on your professional qualifications and/or ability to be successful in graduate work,
   d. a brief (1-2 page) resume, and
   e. a brief (1-3 page) typed essay describing your educational philosophy and purpose for pursuing the degree.

V. Program Requirements
Students must enroll in either the thesis option (33 units) or the non-thesis option (32 units) for the M.Ed. degree. For all students, **15-18** units of core courses are required, and a minimum of 15 units of courses at the 700-level must be taken. In addition to the **15-18** units of core courses, thesis-option students take an additional **12-9** units of electives and 6 thesis units (EDS 797 ). Non-thesis option students take the **15-18** units of core courses,
an additional **12** units of electives, and **2 comprehensive exam units** (EDS 795)

A. Required Courses for all students (**18** units)

- EDUC 770 - Master's Seminar in Educational Specialties (3 units) **OR**
- **EDUC 771H – Special Topics in Educational Specialties: Multiple Literacies (3 units)**

- EDRS 700 - Introduction to Educational Research (3 units)
- EDRL 600 - Foundations of Literacy (3 units)
- EDRL 700 - Literacy Assessment (3 units)
- EDRL 701 - Field Work and Clinical Practice in Reading (3 units)

**EDUC 771E – Special Problems in Educational Specialties: Research (3 units)**

B. Elective Courses (**9 - 12** or **15** units for thesis and non-thesis respectively)

- EDUC 680 - Multicultural Concerns in Diverse Educational Settings (3 units)
- EDUC 740 - Social Class and Schooling (3 units)
- EDUC 741A - Issues in Teaching in Diverse Educational Settings (3 units)
- EDUC 741B - Issues in Teaching in Diverse Educational Settings (3 units)
- EDUC 741E - Issues in Teaching in Diverse Educational Settings (3 units)
- EDUC 746 - Literacy for Developing Civic Understanding (3 units)
- EDUC 761 - Gender Issues in Education (3 units)

- **EDUC 771E – Special Topics in Educational Specialties** (1 to 3 units)
- EDUC 771H - Special Topics in Educational Specialties (1 to 3 units)
- EDRL 607 - Book Selection for Children (3 units)
- EDRL 610 - Word Study, Phonics, Spelling and Vocabulary Instruction (3 units)
- EDRL 612A - Teaching Reading to Older Students (3 units)
- EDRL 612B - Teaching Reading to Older Students (3 units)
- EDRL 643 - Literacy Instruction II (3 units)
- EDRL 690 - Examining Curriculum for Spanish Speakers in U.S. Schools (3 units)
- EDRL 775 - The Psychology of Literacy (3 units)
- EDS 747 - Critical Numeracy Across the Curriculum (3 units)
- EDS 748 - Equity and Diversity in Math and Science Education (3 units)

C. Comprehensive Exam or Thesis (2 or 6 units)

- Comprehensive Exam (2 units) - Required for Non-thesis students ONLY:
- EDS 795 - Comprehensive Examination

**NOTE:** Students usually take EDS 795 with another course to complete the requirement that they take at least 3 units each semester, otherwise if EDS 795 is taken singly, then you will need to enroll in 3 units, except in the summer when only 2 units are required.

- Thesis (6 units) - Required for Thesis students ONLY:
- EDS 797 - Thesis

**VI. Program Total Hours (32 - 33 units)**

**VII. Undergraduate Requirements**

There are no specific undergraduate prerequisites, but this program is designed for practicing teachers. Qualified applicants will have a valid teaching license.
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<tr>
<th>Course</th>
<th>Title</th>
<th>Description</th>
<th>Approval</th>
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<tbody>
<tr>
<td>DHS NURS</td>
<td>OLD: Project Defense</td>
<td>(2 units S/U only) Presentation and discussion of completed DNP projects on campus. Prereq: NURS 787</td>
<td>Approved</td>
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<td>NEW: DNP Project</td>
<td>(1 to 6 units S/U only) Completion of the DNP project design and implementation. The results will be evaluated, culminating with a final written and oral defense. The course may be repeated up to a maximum of 6 units. Prereq: Admission to the DNP program and consent of the instructor.</td>
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Transfer agreements: N/A
Implementation: FL14 – offered scheduled term

CONSENT AGENDA - (Items on the consent agenda are voted upon as a group. Any member of the committee may request that item(s) be removed from the consent agenda for individual consideration)

PROPOSED CHANGES

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### INFORMATIONAL ITEMS

#### PROPOSED CHANGES

| LBA | ENG | ENG 321 105462 Add clarifying statement | Acknowledged  
Expository Writing  
(3 units)  
Advanced composition in various forms of expository prose with attention to structural and stylistic problems. *Does not fulfill a major or minor requirement in English.*  
Transfer agreements: N/A  
Implementation: FL14 |
|----|----|------------------------------------|-------------------------------------------------|
| SCI | BIOL | BIOL 456 115523 Reactivate | Acknowledged  
Reactivate: Molecular Basis of Epigenetics  
(3 units)  
Survey of the molecular basis of epigenetic events on chromatin fibers and nuclear functions (transcriptions, DNA replication, repair) in development and cancer.  
Transfer agreements: No changes  
Implementation: FL14 |
| SCI | GE | GE 481 106826 Reactivate | Acknowledged  
Reactivate: Introduction to Geomechanics  
(3 units)  
Essentials of rock fracture relevant to geological engineering, including stress and strain, properties and classification of continuous and discontinuous rock masses, and mechanism of rock fracture.  
Transfer agreements: N/A  
Implementation: FL14 |
| SCI | MATH | MATH 126E 115505 Correct prerek | Acknowledged  
Prerequisite(s): ACT score of 20, or SAT score of 490.  
Corequisite(s): MATH 096D.  
Transfer agreements: No changes anticipated  
Implementation: FL14 |

### PENDING ITEMS FROM PRIOR MEETINGS -

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University Courses & Curricula Committee Minutes  
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### PROPOSED CHANGES

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