

**Eastern New Mexico University  
College of Liberal Arts & Sciences  
2005-2007 Catalog**

|                    |  |
|--------------------|--|
| <b>Date:</b> _____ | <b>Major:</b> <u>Chemistry Plan I(ACS Certified)</u> |
| <b>Name:</b> _____ | <b>Minor:</b> _____                                  |
| <b>ID #:</b> _____ | <b>Degree:</b> <u>Bachelor of Science</u>            |

| BACHELOR'S DEGREE REQUIREMENTS | Course# | Credits | Semester<br>Enrolled | Grade |
|--------------------------------|---------|---------|----------------------|-------|
|--------------------------------|---------|---------|----------------------|-------|

**Includes:**  
 UNIV 101 Freshman Seminar UNIV 101    3    \_\_\_\_\_  
**128 total hours which must include 40 upper division hours(300/400 level).**

| GENERAL EDUCATION REQUIREMENTS: 49-50 HOURS | Course# | Credits | Semester<br>Enrolled | Grade |
|---|---------|---------|----------------------|-------|
|---|---------|---------|----------------------|-------|

**Communicating Effectively: 12 hours**

|                         |                          |       |   |       |
|-------------------------|--------------------------|-------|---|-------|
| ENG 102 or 108          | ("C" or better required) | _____ | 3 | _____ |
| ENG 104 or 109          | ("C" or better required) | _____ | 3 | _____ |
| COMM 101/101L or 102    |                          | _____ | 3 | _____ |
| CIS 151, 251, or CS 114 |                          | _____ | 3 | _____ |

**Mathematics: 6-7 hours**

**Option A:** 6-7 hours TWO from MATH 107, 113, 114, 119,120, or STAT 213 \_\_\_\_\_    3    \_\_\_\_\_

**Option B:** 3-4 hours ONE from MATH 124 or any class with a 124 prerequisite \_\_\_\_\_    4    \_\_\_\_\_

**Wellness: 2 hours**

|                     |                                     |            |       |   |
|---------------------|-------------------------------------|------------|-------|---|
| HPE 142             | Fundamentals of Physical Well-Being | (required) | _____ | 1 |
| HPE Activity Course |                                     |            | _____ | 1 |

**Science with Laboratories: 8 hours**

|                                |            |  |       |   |
|--------------------------------|------------|--|-------|---|
| Life Science (Biology)         |            |  | _____ | 4 |
| CHEM 151/L General Chemistry I | (required) |  | _____ | 4 |

**Appreciating the Arts: 6 hours**

Any TWO from different areas:

|  |  |  |       |   |
|--|--|--|-------|---|
| ART 101, 106, 131, 165, 166, 210, 231, 271 |  |  | _____ | 3 |
| DNC 101, 102, 108, 210                     |  |  | _____ | 3 |
| MUS 101, 113, 151, 163, Music Ensembles    |  |  | _____ | 3 |
| THTR 111, 121, 222                         |  |  | _____ | 3 |

**Social Sciences: 6 hours**

Any TWO from different areas:

|                                       |  |  |       |   |
|---------------------------------------|--|--|-------|---|
| ANTH/GEOG 103; 233, ANTH 243          |  |  | _____ | 3 |
| BUS 151                               |  |  | _____ | 3 |
| ECON 221, 222                         |  |  | _____ | 3 |
| FCS/ELED 221                          |  |  | _____ | 3 |
| PSCI 101, 102, PSY 101, 134, 201, 202 |  |  | _____ | 3 |
| SOC101,212,215                        |  |  | _____ | 3 |

**Humanities: 6 hours**

Any TWO from different areas:

|                                       |  |  |       |   |
|---------------------------------------|--|--|-------|---|
| ENG 201, 211, 221, 222,251, 252, 275  |  |  | _____ | 3 |
| FR 101, 102, 201, 202                 |  |  | _____ | 3 |
| HIST 101, 102, 121, 122, 203          |  |  | _____ | 3 |
| HUM 221, 222; PHIL 201, 202, 211      |  |  | _____ | 3 |
| REL 101, 103; SPAN 101, 102, 201, 202 |  |  | _____ | 4 |

**Upper Division - Diversity / Global: 3 hours:**

|  |  |  |       |   |
|--|--|--|-------|---|
| AG 312;ANTH 310,333,340;BUS 302,310;COMM 330;DNC 394 |  |  | _____ | 3 |
| ENG 319,378;FCS 310; HPE 321;PSCI 330;SOC302         |  |  | _____ | 3 |

|                               |  |  |  |  |  |                    |
|-------------------------------|--|--|--|--|--|--------------------|
| <b>Date:</b> _____            |  |  |  |  |  | <b>Final Check</b> |
| <b>Hours Completed:</b>       |  |  |  |  |  |                    |
| <b>Hours In Progress:</b>     |  |  |  |  |  |                    |
| <b>U/D Hours Completed:</b>   |  |  |  |  |  |                    |
| <b>U/D Hours In Progress:</b> |  |  |  |  |  |                    |
| <b>GPA:</b>                   |  |  |  |  |  |                    |

All course requirements in the major and minor must have a grade of "C" or better. All acceptable transfer work from a junior or community college will be recorded as lower division credit.

**Chemistry Core Requirements ( 25 hours)**

|                                   |       |   |       |       |
|-----------------------------------|-------|---|-------|-------|
| CHEM 151/I General Chemistry I    | _____ | 4 | _____ | _____ |
| CHEM 152/L General Chemistry II   | _____ | 4 | _____ | _____ |
| CHEM 233/L Quantitative Analysis  | _____ | 4 | _____ | _____ |
| CHEM 321/L Inorganic Chemistry    | _____ | 4 | _____ | _____ |
| CHEM 341/L Organic Chemistry I    | _____ | 4 | _____ | _____ |
| CHEM 342/L Inorganic Chemistry II | _____ | 4 | _____ | _____ |
| CHEM 492 Undergraduate Seminar    | _____ | 1 | _____ | _____ |

**Chemistry-Plan I (ACS certified) additional requirements: 25 hours**

|  |       |        |       |       |
|--|-------|--------|-------|-------|
| CHEM/PHYS 411/L Physical Chemistry I/Thermodynamics                | _____ | 4      | _____ | _____ |
| CHEM 412/L Physical Chemistry II                                   | _____ | 4      | _____ | _____ |
| CHEM 450 Instrumental Analysis                                     | _____ | 4      | _____ | _____ |
| CHEM 452 Biochemistry  | _____ | 3      | _____ | _____ |
| CHEM 470 Investigative problems (1-4 hrs must take at least 3 hrs) | _____ | 1 to 4 | _____ | _____ |
| CHEM 495 Senior Chemistry Review                                   | _____ | 1      | _____ | _____ |
| <b>6 hours of Upper Division chemistry electives</b>               | _____ |        | _____ | _____ |
| _____  | _____ | 3      | _____ | _____ |
| _____  | _____ | 3      | _____ | _____ |

**Required Courses in Related Areas 20-22 hours**

|                                       |       |   |       |       |
|---------------------------------------|-------|---|-------|-------|
| MATH 124 Calculus I                   | _____ | 4 | _____ | _____ |
| MATH 132 Calculus II                  | _____ | 4 | _____ | _____ |
| MATH 202 Calculus III                 | _____ | 4 | _____ | _____ |
| PHYS 151/L General Physics <b>AND</b> | _____ | 4 | _____ | _____ |
| PHYS 152/L General Physics <b>OR</b>  | _____ | 4 | _____ | _____ |
| PHYS 201/L Physics I <b>AND</b>       | _____ | 5 | _____ | _____ |
| PHYS 202/I Physics II                 | _____ | 5 | _____ | _____ |

**Minor:**

|   |  |
|---|--|
| _____<br><i>Student</i>                 | _____<br><i>Advisor Signature</i>                |
| _____<br><i>Dean's Office Signature</i> | _____<br><i>Official Degree Plan Filing Date</i> |