### General Education Requirements (41)*

#### Area I - Oral Communications (3)
- Pick one of the following: COMM 110, THR 250
- Course: **COM 100/110/225/230** (3) [Blue]
- or Transfer: TGE (COMM 175) [Highlighted]

#### Area I - Written Communications (6)
- ENGL 101 Comp & Rhetoric I (3) **ENG 101 or 107**
- ENGL 102 Comp & Rhetoric II (3) **ENG 102 or 108**
- or Transfer: TGE (ENGL 175) for ENGL 102 only

#### Area II - Mathematics (3)
- MATH 105, 106, 121, 131, 132 or 171
- Course: **MAT 150** ( ) [Blue]
- or Transfer: TGE (MATH 175) [Highlighted]

#### Area III - Laboratory Science (8)
- Pick two courses (plus labs) from the following:
  - BIOL 101, 102, 202, 204, 206, [Blue] CHEM 121, 151, 152
  - BIOL 212, 254, 255 [Blue] PHSC 101, 115, 171
  - GEOL 101, 102, 201 [Blue] PHYS 151, 152, 171, 172
  - Course: **recommend: BIO 181** (4) [Blue]
  - Course: **recommend: BIO 182** (4) [Blue]
  - or TGE (BIOL 175, CHEM 175, GEOL 175, PHSC 175, PHYS 175) [Highlighted]

#### Area IV - Social and Behavioral Sciences (6-9) **
- Pick 2-3 courses from different groups of the following:
  - 1) ANTH 201, 202, 212/214; GEOG 201, 202, 205
  - 2) ECON 200, 201, 202 or POLS 201, 202
  - 4) PSY 102 or SOC 101, 102, BSAD 100, CJUS 111, SWK 101
  - Course: **recommend: Global Awareness** (3) [Blue]
  - Course: **recommend: Cultural Diversity** (3) [Blue]
  - Course: **recommend: Social/Behavioral Sci w/ awareness** (3) [Blue]
  - or TGE (ANTH 175, ECON 175, GEOG 175, POLS 175, PSY 175, SOC 175) [Highlighted]

#### BS Requirement (6)
- MATH 321 Statistics, plus one CMPS course beyond Gen'l. Ed or BIOL/GEPG 361/363 Intro to GIS
- Course: **MATH 321 Statistics** (3) [Blue]
- Course: **recommend: BIO 283** (3) [Blue]

#### OR

#### BA Requirement (minimum of 3)
-Completion of one of the following: SPAN 202, SPAN 252, SPAN 214 or any upper level Spanish course.
- Course: **recommend: SPA202** (3) [Blue]

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*Includes 35 hours of the NM Common Core plus 6 additional WNMU hours.

**The total credits from Area IV and Area V must be 18 hours.

Note: TGE = Transferred General Education courses listed by HED or other transfer agreements, but with no WNMU equivalent.

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**Key:** BLUE = GCC course

Highlighted: WNMU = Purple

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Western New Mexico University and Glendale Community College

Degree Plan - Cell & Molecular Biology Major (0406)

Department of Natural Sciences

Student Name: ___________________________  ID: ___________________________  Tel #: ___________________________  Degree Type: BS [ ]  BA [ ]

Address: __________________________________________________________ [complete - incl street, city, state, zip]  Email: ___________________________

Catalog Authority: 2015-16  Expected Completion: ___________  Advisor: ___________

Key: BLUE = GCC course  Highlighted: WNMU = Purple

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2015-16 Catalog  Page 1 of 2  revised 06/15
Degree Plan - Cell & Molecular Biology Major

SUPPORTING COURSEWORK (16-20 credit hours)

<table>
<thead>
<tr>
<th>Course(Credits)</th>
<th>Sem/Year</th>
<th>Grade</th>
<th>Course(Credits)</th>
<th>Sem/Year</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 151/153 Gen Chem I*</td>
<td>(4)</td>
<td>CHM 150/151 w/lab</td>
<td>CHEM 152/154 Gen Chem II*</td>
<td>(4)</td>
<td>CHM 152 w/lab</td>
</tr>
<tr>
<td>Organic Chem I</td>
<td>CHM 235 (4) w/lab</td>
<td>Organic Chem II</td>
<td>CHM 260 (3 or 4)</td>
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LIFE SCIENCE CORE REQUIREMENTS (22-23 credit hours)

<table>
<thead>
<tr>
<th>Course(Credits)</th>
<th>Sem/Year</th>
<th>Grade</th>
<th>Course(Credits)</th>
<th>Sem/Year</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 201/203 Mjr I:Plant FFD*</td>
<td>(4)</td>
<td>BIO 211AA,AB, or AE each need 2 crd</td>
<td>BIOL 301/303 Ecology</td>
<td>(4)</td>
<td>Summer 2</td>
</tr>
<tr>
<td>BIOL 204/205 Mjr II:Animal FFE</td>
<td>(4)</td>
<td>BIO 208</td>
<td>BIOL 366/368 Genetics</td>
<td>(4)</td>
<td>Fall 1</td>
</tr>
<tr>
<td>BIOL 206/207 Mjr III:Cell Biology</td>
<td>(4)</td>
<td>BIO 209</td>
<td>BIOL 422 Evolution</td>
<td>(3)</td>
<td>Spring 3</td>
</tr>
</tbody>
</table>

*May count as General Education Lab Science.

CELL & MOLECULAR BIOLOGY MAJOR REQUIREMENTS (30 credit hours)

<table>
<thead>
<tr>
<th>Course(Credits)</th>
<th>Sem/Year</th>
<th>Grade</th>
<th>Course(Credits)</th>
<th>Sem/Year</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>BIOL 360/362 Cell Biology</td>
<td>(4)</td>
<td>Fall 2</td>
<td>BIOL 476/478 Immunology</td>
<td>(4)</td>
<td>Fall 3</td>
</tr>
<tr>
<td>BIOL 460 Cell Physiology</td>
<td>(3)</td>
<td>Spring 1</td>
<td>BIOL 486 Senior Project</td>
<td>(2)</td>
<td>Summer 3</td>
</tr>
<tr>
<td>BIOL 465/467 Molecuir Genetics</td>
<td>(4)</td>
<td>Summer 1</td>
<td>6 credits of advisor approved Upper Division BIOL electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 471/473 Mjrs Microbiology</td>
<td>(4)</td>
<td>Spring 2</td>
<td>Course: BIO 215 Intership</td>
<td>3</td>
<td></td>
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<tr>
<td>BIOL 474 Virology</td>
<td>(3)</td>
<td>Spring 3</td>
<td>Course: BIO 210 Advanced Lab</td>
<td>3</td>
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</table>

ADDITIONAL COURSES (to fulfill the 120 hour requirement)

<table>
<thead>
<tr>
<th>Course(Credits)</th>
<th>Sem/Year</th>
<th>Grade</th>
<th>Course(Credits)</th>
<th>Sem/Year</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course: CRE 101</td>
<td>3</td>
<td>College Critical reading</td>
<td>Course: BIO 211</td>
<td>1</td>
<td>Lab Protocol</td>
</tr>
<tr>
<td>Course: BIO 173</td>
<td>1</td>
<td>Basic Instruction</td>
<td>Course: BIO 211-required</td>
<td>1</td>
<td>Business and Regulation Issues</td>
</tr>
<tr>
<td>Course: BIO 175</td>
<td>1</td>
<td>Research Methods</td>
<td>Course: BIO 215-required</td>
<td>3</td>
<td>Internship or special project</td>
</tr>
<tr>
<td>Course: BIO 211</td>
<td>1</td>
<td>Bio Med apps</td>
<td>Course: CHM 130</td>
<td>4</td>
<td>Fundamental Chem</td>
</tr>
</tbody>
</table>

Service Learning 3 credits: part of intership or waive Sem/Year: Grade: 

Upper Division Hours (54 minimum): substitute 200 Writing Intensive Hours (12 minimum): waive or find course

Total Hours (120 minimum required): Copy to Registrar: date: 

Original completed on (date): Grad. Audit sent: date: 

Updated: Grad. Audit sent: date: 

Student Signature: date: 

Advisor Signature: date: