Pre-Optometry
Provided by Mrs. Kimberly Ruit, Health Sciences Advisor, UND College of Arts and Sciences, March 2010

Pre-Opt is not a major and does not lead to a degree from UND! In order to graduate with a degree from UND, students must:

1. Choose a **Major** and complete the specific requirements determined by the department responsible for that major
2. Complete the **Essential Studies Requirements**
3. Complete 125 semester credits (36 of which must be upper divisional credits)

In order to **join** the Pre-Opt Program at UND, freshmen students (planning to finish in 4 years) must:

1. Officially declare Pre-Opt in the main office of the College of Arts and Sciences (Montgomery Hall 125)
2. Activate and use UND e-mail account (make sure Campus Connection lists the UND e-mail as the primary e-mail account)
3. Attend all freshmen group advising meetings during fall semester
4. Attend one freshmen group advising meeting during spring semester
5. Complete the following courses, with a C grade or better, before the start of sophomore year:
   - Bio 150-151, with labs
   - Math 103 (may test out of this with an ACT Math score of 26, or UND Math ALG Test score of 18)
   - Chem 121-122, with labs
6. Maintain a cumulative GPA of 3.0 or higher
7. Visit with their major advisor

In order to **stay** in the Pre-Opt Program at UND, students must:

1. Complete the prerequisites for Optometry school(s) as advised
2. Maintain a competitive cumulative GPA (3.0 minimum)
3. Take the OAT
4. Visit with the Health Sciences Advisor regularly
5. Visit with their major advisor regularly

**Summary:**

<table>
<thead>
<tr>
<th>Major</th>
<th>GPA</th>
<th>Entrance Test</th>
<th>Letters of Recommend</th>
<th>Relevant Life Experiences</th>
<th>WICHE Apply for in jr year</th>
</tr>
</thead>
<tbody>
<tr>
<td>While most optometry schools require 90 semester hours – most accepted applicants have a degree</td>
<td>3.4 - 3.6</td>
<td>Computerized OAT – plan to take in late spring/early summer after junior year</td>
<td>Required</td>
<td>Needed</td>
<td>Available for residents of AK, AZ, CO, HI, ID, MT, NV, ND, UT, WA, WY</td>
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**Suggested Pre-Optometry Schedule:**

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<thead>
<tr>
<th></th>
<th>Freshman</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
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</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td>Bio 150, 150L, Chem 121, 121L, Math 103, 146, 107 or 165, *Electives from Group 1</td>
<td>Organic Chem 341, 341L, Anat 204, Math 166(?)*, *Electives from Group 2</td>
<td>Physics 211, 211L, *Electives from Group 2 or 3</td>
<td>*Electives from Group 2, 3 or 4</td>
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<tr>
<td><strong>Spring</strong></td>
<td>Bio 151, 151L, Chem 122, 122L, Math 146, 107, 165 or 166, *Electives from Group 1</td>
<td>Organic Chem 342, 342L, PPT 301, *Electives from Group 2</td>
<td>Physics 212, 212L, Biochem 301, *Electives from Group 2 or 3</td>
<td>*Electives from Group 2, 3 or 4, MBio 302, 302L</td>
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<td><strong>Summer</strong></td>
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*Electives

**Group 1:** Eng 110, 120 and 125, Psych 111, Comm 110, Foreign Language 101 & 102 (if required by major)

**Group 2 (Science):** Cell Biology (Bio 341), Genetics (Bio 315)

**Group 2 (Non-science):** Accounting, Anthropology, Business, Econ, English Lit, History, Political Science, Sociology, Statistics (see below)

**Group 3:** Biochem 301, Analytical Chemistry (Chem 333), Anatomy 204, a course in Physiology (either PPT 301 or Bio 442)

**Group 4:** Histology (Bio 369), Neuroscience (Bio 420), Developmental Biology (Bio 378)

**Please note:**
- Students may substitute Chem 240 for the Chem 341-342 sequence for some optometry schools.
- All Optometry schools require some level of calculus – some require 1 semester (for those, Math 146 is fine), others require a full year (Math 165-166)
- All Optometry schools require a statistics class – students may choose from: Psych 241, Soc 326 or Math 321
- Sophomore Bio majors will need to replace Anatomy 204 and PPT 301 with these required classes: Genetics, Ecology, Cell Biology, Evolution
- Bio majors should take Bio 442 instead of PPT 301
- Sophomore Chem majors will need to replace Anatomy 204 and PPT 301 with these required classes: Physics 211-212, Chem 333

**WICHE Forms Due**
(Complete over Spring Break)

**OAT**
(1st one by 6/30)

**Optometry School Apps Due**
(Primary OptomCAS by July 30th)