## NTID
### Ophthalmic Optical Finishing Program
#### Outcomes and Assessment

**Program Goal:** To provide graduates with entry level skills specifically related to occupations in the ophthalmic laboratory field.

<table>
<thead>
<tr>
<th>Skill Area</th>
<th>Performance</th>
<th>Assessment Mechanisms</th>
<th>Timeline</th>
<th>Use of Results</th>
</tr>
</thead>
</table>
| 1. Prescription Analysis (technical) | a. Students will be able to completely fill out all of the various categories of an ophthalmic lens prescription. 
b. Students will be able to identify and edit inconsistencies of ophthalmic lens prescriptions. | a–b. To occur through a comprehensive written exam at the end of 0827-115 Prescription Analysis | a-b. Fall 20021  | Fall 20031      |
| 2. Lens Surfacing (technical)     | a. Students will be able to enter all prescription specifications into a database and produce an accurate printout of production coordinates. 
b. Students will be able to surface (grind & polish) single vision and multifocal lens curves to produce a given power using a variety of surfacing | -b. To occur through a comprehensive written exam and series of lab practical tests at the end of 0827-280 Application to Lens Surfacing | a-b. Winter 20022 | a-b. Winter 20022 Winter 20023 |
| 3. Lens Finishing (technical) | a. Students will be able to analyze, neutralize lens power and layout single vision and multifocal prescriptions.  
b. Students will be able to automatically edge and hand bevel lenses to fit given frames.  
c. Students will be able to properly heat temper glass lenses in accordance with ANSI standards.  
d. Students will be able to apply cosmetic and therapeutic features designed to enhance lens performance. | a-e. To occur through a series of written tests and hands-on practical tests at the end of 0827-121 & 225 Lab Simulation I & II | a. Given the frame, prescription specifications and uncut lenses of various powers and axis orientation, (85% of) all students will be able to determine the lens power, identify the lens major reference point, identify the 180 degree cutting line, calculate decentration, and accurately “block” a lens using the Vertometer/Lensometer and AIT Speede blocking system.  
b. Given a blocked lens and frame, (85% of) the students will cut (edge) lenses to proper size and shape, and manually produce a proper vee and safety bevel using specified instrumentation.  
c. Given photochromic, clear, soflite, G-15 and G-31 lenses and access to standard instrumentation, (85% of) the students will be able to temper and test the impact resistance of lenses in accordance with industry standards.  
d. Given untreated plastic lenses, access to a lens tinting unit and spectrometer, (85% of) the students will accurately tint lenses to within + or – 5% of | a-e. Winter 2002 & Spring 2003 | Spring 2003 |
<table>
<thead>
<tr>
<th>Job Placement</th>
<th>Students will gain entry-level employment in OFT field.</th>
<th>NCE</th>
<th>_____% of graduates will be employed in the field.</th>
<th>TBD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Satisfaction</td>
<td>Graduating students will indicate satisfaction with program courses.</td>
<td>Student Satisfaction Survey</td>
<td>____% of students will rate program courses as satisfactory better as measured by a score of _____ or above in Student Satisfaction Survey.</td>
<td>Spring 20023</td>
</tr>
<tr>
<td>Co-op Work Experience</td>
<td>Students will demonstrate technical competency on the job</td>
<td>Co-op Supervisor Evaluation Form</td>
<td>Score of _____ or higher on Co-op Supervisor Evaluation Form of job performance items #_____, _____, _____, _____.</td>
<td>Spring 20023</td>
</tr>
</tbody>
</table>

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