# Ophthalmology and Visual Sciences

**Chair**
- Keith D. Carter

- **Professional certificate:** orthoptics  
- **Faculty:** [https://medicine.uiowa.edu/eye/people/](https://medicine.uiowa.edu/eye/people/)  
- **Website:** [https://medicine.uiowa.edu/eye/](https://medicine.uiowa.edu/eye/)

## Courses

### Ophthalmology and Visual Sciences Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>OPHT:8301</td>
<td>Clinical Ophthalmology</td>
<td>2 s.h.</td>
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<tr>
<td></td>
<td>All aspects of clinical ophthalmology; clinical experience, lectures, case presentations; clinical duties with staff, residents, and faculty in University of Iowa Hospitals &amp; Clinics and VA Iowa City Health Care ophthalmology clinics.</td>
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<td></td>
<td>Requirements: M.D. enrollment.</td>
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<tr>
<td>OPHT:8401</td>
<td>Cornea and Anterior Segment of the Eye</td>
<td>4 s.h.</td>
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<td></td>
<td>Common diseases of eyelid, conjunctiva, and cornea.</td>
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<tr>
<td>OPHT:8402</td>
<td>Elective in Neuro-Ophthalmology</td>
<td>4 s.h.</td>
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<td>Visual, ocular motor dysfunction due to neurologic disease; patient work-up, readings, neuro-ophthalmology rounds.</td>
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<tr>
<td>OPHT:8403</td>
<td>Molecular Ophthalmology</td>
<td>4 s.h.</td>
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<td>Use of recombinant DNA, tissue culture, protein electrophoresis in study of inherited eye diseases.</td>
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<tr>
<td>OPHT:8404</td>
<td>Elective in Ocular Pathology</td>
<td>4 s.h.</td>
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<tr>
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<td>Pathophysiology of eye disease.</td>
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<tr>
<td>OPHT:8405</td>
<td>Advanced Ophthalmology - Veterans Affairs</td>
<td>4 s.h.</td>
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<td>Opportunity for in-depth clinical experience in assessment and management of ophthalmology patients; students serve on the VA Iowa City Health Care ophthalmology team and see outpatients and emergency room visits alongside residents and faculty.</td>
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<tr>
<td>OPHT:8406</td>
<td>Plastic and Reconstructive Surgery</td>
<td>4 s.h.</td>
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<tr>
<td></td>
<td>Topics in ophthalmic plastic and reconstructive surgery.</td>
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<tr>
<td>OPHT:8497</td>
<td>Research in Ophthalmology</td>
<td>arr.</td>
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<td>Medical research, clinical or laboratory projects; individual study.</td>
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<tr>
<td>OPHT:8498</td>
<td>Ophthalmology On Campus</td>
<td>arr.</td>
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<tr>
<td>OPHT:8499</td>
<td>Ophthalmology Off Campus</td>
<td>arr.</td>
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