# Ophthalmology

## Program Requirements

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<td><strong>Elective Opportunities</strong></td>
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<td>Elective courses must be approved by the course director listed.</td>
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<td>Course descriptions and additional details can be found at:</td>
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<td><a href="https://www.hopkinsmedicine.org/som/students/academics/electivebook.pdf">https://www.hopkinsmedicine.org/som/students/academics/electivebook.pdf</a></td>
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### Ophthalmology Clinical Electives

- **Clinical Elective in Ophthalmology; Dr. Henry Jampel**
- **Advanced Work and Research in Ophthalmology and Neurosurgery; Dr. Henry Brem**
- **Clinical Neuro-Ophthalmology: Drs. Amanda Henderson, Dr. Michael Carper, Dr. Andrew Carey and Dr. Neil Miller**
- **Elective in Oculoplastic Surgery; Drs. Ashley Campbell, Dr. Fatemah Rajaii, and Dr. Nicholas Mahoney**
- **Signal Acquisition and Processing in Ophthalmic Optics; Dr. Boris Gramatikov**
- **Clinical Elective in Ophthalmology at Green Spring Station; Drs. Kraig S. Bower and Dr. Albert Jun**
- **Clinical elective in ophthalmology at Odenton and Columbia; Dr. Divya Srikumaran**
- **Investigating the basis of inherited ocular dystrophies; Dr. S Amer Riazuddin**
- **Argus II retinal implant, intracortical visual prosthesis and ultra low-vision assessment; Drs. Gislin Dagnelie, Dr. James Handa, and Dr. Judith Goldstein**
- **Pediatric ophthalmology and strabismus; Drs. Courtney Kraus and Dr. Alex Cristoff**
- **Clinical Elective In Ocular Immunology, Dr. Meghan Berkenstock**
- **Glaucoma Clinical Research Elective; Dr. Pradeep Ramulu**
- **Clinical/Research Elective in Ophthalmology – Bethesda Campus; Dr. Mona Kaleem**

### Research opportunities (contact preceptor to arrange research)

- **Medical retina; Dr. Morton Goldberg and Dr. Sharon Solomon**
- **Cornea and cataract; Drs. Esen Akpek, Allen Eghrari, Irene Kuo, Oliver Schein, Shameema Sikder, Uri Soiberman and Robert Weinberg**
- **Neuro-ophthalmology; Drs. Neil Miller, Amanda Henderson, and Andrew Carey**
- **Pathophysiology of Eye-Movement Disorders and Nystagmus; Dr. David Zee**
- **Ocular Tumors; Methods of Diagnosis and Treatment; Dr. James Handa**
- **Ocular Epidemiology; Drs. Pradeep Ramulu, and Oliver Schein**
- **Angiogenesis Research and Controlled Drug Delivery; Dr. Henry Brem**
- **Uveitis; Scleritis, Cytomegalovirus Retinitis, Autoimmune Diseases of the Eye; Drs. Meghan Berkenstock, Richard Semba and Jennifer Thorne**
- **Surgical Retina: Drs. Peter Campochiaro, and James Handa**
- **Medical Informatics and Electronic Health Record; Dr. Michael Boland**
- **Retinal Molecular Biology; Dr. Don Zack**
- **Pediatric ophthalmology and adult strabismus; Dr. Megan Collins**
- **Pediatric ophthalmology and Public Health and/or Health care policy; Dr. Megan Collins**
- **Medical ethics; Dr. Megan Collins**
- **Retina: Dr. Cindy Cai**