



**Specialty Track Title:**

Ophthalmology Surgery MSSP

**Synopsis/Background**

The Ophthalmology MSSP is structured to give motivated students early exposure and longitudinal specialty mentorship in Ophthalmology. The objective of this MSSP is to support students interested in ophthalmology with guided career exploration, academic engagement, and goal specific mentoring. The specific goals and objectives are outlined as follows:

1. Explore the scope of ophthalmology and its subspecialties.
2. Enhance classroom knowledge via clinical observation and practical experience. Expand fund of knowledge via grand rounds, symposia, and case discussions
3. Completion of a scholarly project in ophthalmology basic or clinical science
4. Foster longitudinal mentoring relationships with ophthalmology faculty.
5. Mentor junior members of the MSSP via ophthalmology interest group and informal settings
6. Foster skills of self-reflection and professional/career development.

**MSSP Logistics:**

Course Director: Lisa Kelly, MD

Coordinator: Michele Wyan

Number of students accepted per year: three

**Financial Support**

Where will financial support come from Crawley Scholarship.

How much money offering for summer research: \$3000 summer stipend.

**General Description & Curricular Overview** (please address each of these for each year noted below: clinical, didactic, scholarship/research, mentorship, leadership/service, anything else unique to your MSSP)

- Year 1

Ophthalmology related activities (estimated time commitment of 12-15 hours. Students are expected to keep a log of their work). Activities consist of but are not necessarily limited to the items below:

1. Ophthalmology Student Interest Group didactic and informational sessions
2. Community Service/Leadership via the Ophthalmology Student interest group clinical activities
3. Clinical -(min 10 hour over 4 years) Shadowing and Clinical Experience – in the Hoxworth Eye Clinic.
4. Grand rounds, regional ophthalmology symposium, resident, and medical student workshops (min 15 hours over 4 years)
5. Meet with mentor a minimum of two times prior to end of M1 year.
6. Discuss summer research project prior to end of M1 year.

**Community service** will be conducted via the Bearcat Eye service, the student run free clinic arm of the Ophthalmology Interest group. (Minimum of 8 hours over 4 years)

**Mentoring.** One to one session with the course director a minimum of twice per academic year in each year M1 through M4. The Mentor session will focus on the student's career questions, discussion of professional development and optimizing application for ophthalmology residency if warranted.

- Summer Research

*M1-M2 Summer:* 200 hours minimum for scholarly project with entry into M2 Fall Symposium and Ophthalmology Regional symposium.

1. Research 101 prior to M1/M2 summer
2. Scholarly Project (Min 30 hours/week for 8 weeks)
3. Shadowing and Clinical Experience one half day per week.
4. There is the potential for publication and national presentation of scholarly work.

**Research** will be conducted in the laboratory of Dr Chia-Yang Liu. The details and scope of their research project will be discussed and outlined in the Spring of the M1 year.

- Year 2

Minimum two activities per month averaged over a six-month time period (estimated time commitment of 12-15 hours per 6-month period). The activities will consist of a combination of.

1. Student interest group meetings or informational activities
2. Clinical- (min 10 hour over 4 years) Shadowing and Clinical Experience at Hoxworth Eye Clinics
3. Didactics -Grand rounds, symposia and/or medical student/ resident workshops (min 15 hours over 4 years)
4. Student interest group Community Service/Leadership
5. Present M1/M2 Project at the Ophthalmology regional symposium in April
6. Meet with mentor a minimum of once per semester.

- Year 3

Clinical component

1. Participate in the ophthalmology 2-week specialty elective (MSSP students receive priority access to the elective).
2. Support for writing a clinical case or case series for publication.
3. Meet with mentor a minimum of one time per semester.

Students encouraged, to continue prior research, leadership, and community outreach work of M1/M2

- Year 4

1. Complete 4-week home ICE in Ophthalmology if pursuing a career in ophthalmology, but alternatives include Neurology, Radiology, EM, Anesthesiology or Plastic Surgery.
2. Meet with mentor a minimum of one time per semester.

Students encouraged to continue prior research, leadership, and community outreach work of M1/M2. Professional development in the form of near peer mentorship of M1-M3 students will be encouraged.