

# WYANT COLLEGE OF OPTICAL SCIENCES

## SCHOLARSHIP REQUIREMENTS

### **UNDERGRADUATE STUDENT SCHOLARSHIPS**

#### ***David H. Cushing Endowed Scholarship in Optical Sciences***

- Undergraduate Student (sophomore, junior, or senior)
- US Citizen
- Course of study in thin films or closely related subject

#### ***Eustace L. Dereniak Family and Friends Endowed Scholarship in Optical Sciences***

- The selected recipient will be entering his/her junior year and will be awarded as renewed support in their senior year if eligibility requirements are successfully satisfied.
- Full-time student who clearly demonstrates their intention to pursue a degree in the field of Optical Engineering
- 3.25 cumulative GPA (3.50 GPA in core optics courses)
- U.S. Citizen
- Preference is to award a candidate who demonstrates financial need and leadership qualities such as participation in volunteer activities, collegiate sports and other similar interests.

#### ***Jack D. Gaskill Endowed Scholarship in Optical Sciences***

- Undergraduate Student achieving junior or senior status and majoring in Optical Sciences
- Applicant's academic record
- Applicant's personal statements on career goals in Optical Sciences

#### ***James M. Palmer Endowed Scholarship in Optical Sciences***

- Undergraduate Student making satisfactory progress (minimum OSC advanced standing GPA of 2.5)
- Engaged in other activities outside of academic pursuits
- Full time status
- Demonstrated an aptitude for optics engineering and engaged in research
- Preference to students who demonstrate financial need (FAFSA)

#### ***John E. Greivenkamp Endowed Scholarship in Optical Sciences***

- Full time student
- Undergraduate entering junior or senior year
- Academic excellence desired but not principal determining factor
- Candidate will demonstrate exemplary work ethic and an interest in activities outside of their usual academic pursuits (preference to those engaged in optics related activities)
- Desirable characteristics include technical creativity and inventiveness
- Additional consideration to those demonstrating financial need

### ***Marathay Family Endowed Undergraduate Scholarship in Optical Sciences***

- Undergraduate Student
- Candidate will be pursuing a Bachelor's degree
- Preference for interest in the fields of Classical optics, Quantum Optics or Optical Engineering
- Minimum 3.0 GPA
- FAFSA- must qualify as a need based student
- Incoming freshman able to compete if high school GPA is 3.4
- Preference given to students from the country of India or of Indian descent.

### ***Norman W. Edmund Merit Scholarship in Optical Sciences***

- Candidate will have completed at least 2 years of undergraduate course studies
- GPA 3.7 or higher
- Preference for demonstrated leadership, including participation in student organizations or community service activities
- U.S. Citizen or enrolled at UA as an international student

### ***Martinez-Araujo Family Scholarship in Optical Sciences***

- Undergraduate Student (entering junior class)
- 3.25 GPA or higher with a 3.5 minimum GPA in Core Optics Classes
- Specific consideration given to a student whose GPA reflects a significant or continued improvement since the beginning of their enrollment in the College of Optical Sciences
- U.S. Citizen
- No previous undergraduate degree on record
- Preference to award to candidate who demonstrates financial need and leadership qualities, such as volunteer activities and/or student groups

### ***ASML Optical Sciences/Optical Engineering Scholarship***

- Recipients must be full-time undergraduate Junior or Seniors pursuing a Bachelor of Science degree in Optical Sciences and Engineering.
- Be a U.S. citizen or permanent resident.
- Preference shall be given to applicants with a 3.0 or greater cumulative GPA and an expressed interest in optical technologies of lithography.

### ***Marisa A. Edmund Advancing Women in Optics Scholarship***

- Full-time undergraduate entering sophomore, junior, or senior year in BS OSE program.
- U.S. Citizen or Permanent Resident
- Applicant must demonstrate interest in or provide evidence of advancing women in the fields of optical sciences and optical engineering; evidence can be measured from an active membership in student groups, such as Women in Optics at OSC etc.
- Preference given to students who have demonstrated financial need based on FAFSA.

## **GRADUATE STUDENT SCHOLARSHIPS**

### ***Mary Jo Lake Memorial Fellowship in Optical Sciences***

- Graduate level student
- U.S. citizen or permanent resident
- Student applicants must demonstrate interest in or provide evidence of advancing women in the fields of optical sciences and optical engineering. This evidence can be measured from an active membership in student and professional affiliation associations that promote women in the sciences.

### ***Philip N. and Joan A. Slater Scholarship in Optical Sciences***

- Graduate Student (Ph.D.)
- U.S. Citizen
- Full-time student
- Demonstrate an aptitude for optical engineering and design, remote sensing, or radiometry
- Preference may be given to students who demonstrate financial need (FAFSA)

### ***Romeo I. and Erlinda Mercado Scholarship in Optical Sciences***

- Graduate Student (MS or PhD)
- Full-time student
- Preference for thesis or dissertation related to the field of optical design

### ***Kenneth E. and Michele L. Moore Endowed Scholarship in Optical Sciences***

- Graduate Student
- U.S. Citizen
- Enrolled Full-time
- Exhibit an aptitude for Optical Engineering
- Preference given to students demonstrating both financial need (FAFSA) and exceptional academic achievement

### ***Joan Schwartz Graduate Student Scholarship in Optical Sciences***

- Graduate Student enrolled in James Wyant College of Optical Sciences
- Be in good academic standing
- Enrolled Full-time
- Preference will be given to candidates pursuing a Master's of Science Degree
- U.S. and international students eligible

### ***Karlton Crabtree Memorial Scholarship in Optical Engineering***

- Ph.D. graduate student
- Demonstrates financial need
- Commitment to advancing the field of optical engineering.
- U.S. citizenship

### ***H. Angus Macleod Scholarship Funded by VIAVI Solutions, Inc.***

- Recipient must be a U.S. Citizen or Permanent Resident
- Enrolled in the Wyant College of Optical Sciences' M.S. Or Ph.D. **on campus** program.
- Applicants should have a demonstrated interest in one or more of the following areas of research:
  - E-M Theory
  - Polarization optics
  - Nonlinear Photonic Devices and Materials
  - Thin Film Devices
  - Light Shaping Optics/ Non-Imaging Optics

***James T. Schwiegerling Graduate Student Scholarship in Optical Sciences***

- Graduate student successfully enrolled in a degree program in the Wyant College of Optical Sciences.
- Demonstrated financial need.
- Preference is for a candidate with expressed research interest in the optics and metrology of the human eye, novel ophthalmic instrumentation, or vision science.

***Perry Family Endowed Scholarship in Optical Remote Sensing***

- Graduate students who are in good academic standing in the James C. Wyant College of Optical Sciences
- Enrolled full-time
- Preference will be given to applicants who have research interests in remote sensing science and engineering. Applicable topic areas include, but are not limited to: (1) optical signature prediction and measurement, including material studies, radiometry, atmospheric propagation effects, and detection; (2) sensor design, performance prediction, fabrication and testing including lab and field trials and ground truth activity; (3) sensor materials and subsystems including optical and electro-optical component specification and testing; and (4) exploitation software and algorithm development for ground, airborne, and space borne remote sensors.
- Preference should also be given to students who have demonstrated financial need based on the FAFSA

***John M. Zavada, Jr. Graduate Student Fellowship in Optical Sciences***

- Doctorate and masters graduate student(s) who are enrolled in the James C. Wyant College of Optical Sciences
- U.S. citizen or permanent resident
- Preference for those seeking a PhD in the field of optics

***Jennifer Turner-Valle Advancing Women in Optics Graduate Student Scholarship***

- Full-time first-or-second year graduate student enrolled in the Wyant College of Optical Sciences M.S. or PhD. Programs.
- Must demonstrate interest in or provide evidence of advancing women in the fields of optical sciences and optical engineering. This evidence can be measured from an active membership in student groups, such as Women in Optics at the Wyant College of Optical Sciences.
- Preference will be given to students who have demonstrated financial need based on the FAFSA

## **BOTH UNDERGRADUATE & GRADUATE SCHOLARSHIPS**

### ***Michael Pate Optical Sciences Memorial Scholarship***

- Undergraduate (Junior or Senior only) or Graduate Student (preference M.S. student)
- Enrolled in the College of Optical Sciences
- 3.5 minimum GPA
- Preference given to those involved in extracurricular activities that demonstrate leadership defined by examples including but not limited to: community or university service; presenting his/her work to a professional audience; the student's work receiving recognition by a professional society or academic enterprise; and/or maintaining family/parent responsibilities while pursuing a degree

### ***The Chuck Hardesty Scholarship in Optical Design***

- Full-time time student with the Wyant College of Optical Sciences
- Pursuing either an undergraduate or graduate degree
- Preference of demonstrated interest in the field of optical design.
- Good academic credentials and
- Financial need should also be considered when choosing a recipient.