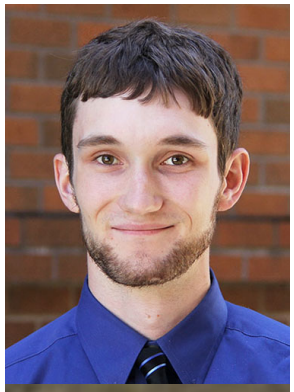
Ram Rajagopal
Graduated: 2016
Internship: NemaMetrix
Current: NemaMetrix

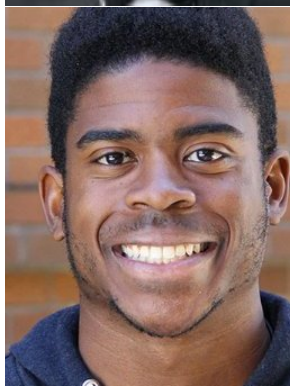
Calvin Millar
Graduated: 2016
Internship: HP
Current: HP

Distefano Garcia
Graduated: 2016
Internship: Los Alamos National Lab (LANL)
Current: LANL



Christian Reitz
Graduated: 2014
Internship: Thermo Fisher Scientific
Current: Cree

Reuven Ballaban
Graduated: 2010
Internship: nLight
Current: nLight



Robert Leonard
Graduated: 2015
Internship: Cascade Microtech
Current: National Instruments

University of Oregon

Master's Industrial Internship Program

Building a bridge from academia to industry.

Nima Dinyari, PhD Physics,
Director of Optical Materials & Devices

What is it?

A program that combines concentrated lab and course work with a 9-month paid internship in industry.

Industry-focused tracks:

PV / Semiconductor Device Processing

Optical Materials & Devices

Polymer Science

What we're about.

With input from industry, our focus is on preparing students for success in the industrial environment.

What's unique about the industrial environment?

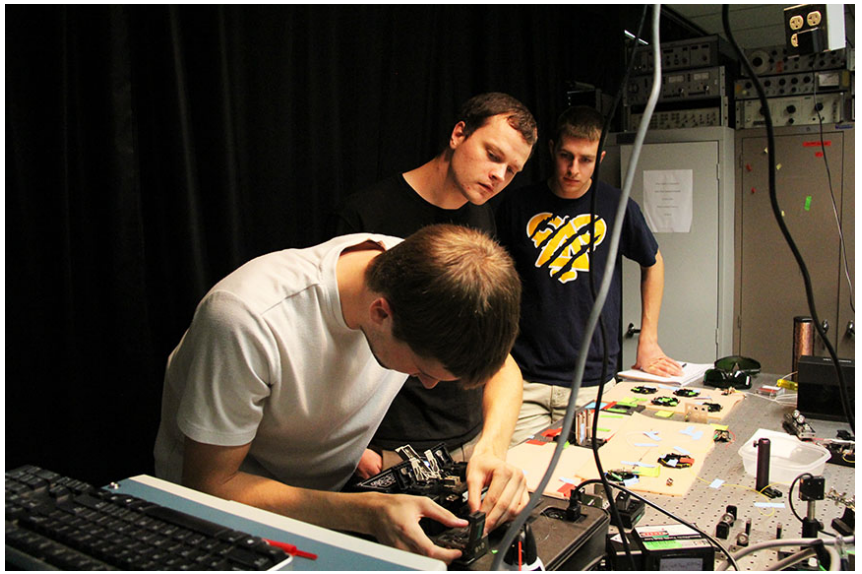
It's team oriented.

Success relies on communication.

It requires you to problem-solve in real time with a business purpose ($).

We emulate the industrial environment by:

Creating labs that require students to work in teams to solve open-ended problems with little to no instruction.



Professional Skills

In addition to science, we help you hone your professional skills:

- Resume Writing
- Interviewing
- Networking
- Leadership
- Communication
- Job Hunting Strategies

Program Timeline

Summer Term

Intensive course work and labs in chosen area of study.

Professional development classes.

Networking event at the end of summer term launches interview season.

Program Timeline continued…

Academic Year

Complete remaining course work (at UO or elsewhere).

Apply and interview for full-time paid positions in industry.

Internships last 9 months and typically begin in October or January.

Pay helps offset the cost of tuition.

You may complete course work while interning and finish degree in just over a year.

In just over a year, you can gain:

Nine-months work experience
earning $3,000 - $5,400 per month
Average, annualized income was about $54,000 last year.

A master's degree
in chemistry or applied physics

A professional network
that will provide the foundation for a career

A resume
with something on it.
Close to 90% of student interns receive regular offers at the end of their internships.

Why consider a program like this?

You want to launch your career in industry.

Financially, this is a great way to go.

You want a Phd and need more data.

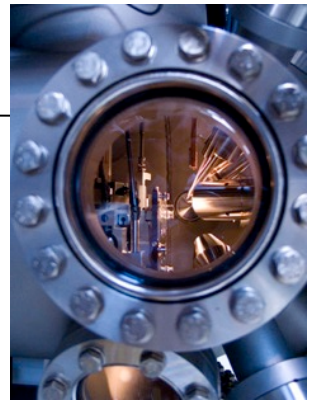
Get the lay of the land in industry.

Figure out what you want before you commit to 5-7 years – be strategic.

Consider the *market value* of the skill set you're developing.

Build a network that will help you when you graduate
(it's competitive out there).

Applying



Who Can Apply?

Typical students have a BS or BA degree in one of the following:

Physics, Chemistry, Engineering and related fields.

What are we looking for?

Academic success, solid communication skills, research experience.

When Can You Apply?

After you begin your senior year.

Priority Application Deadline: February 15th

Application online at http://internship.uoregon.edu

Classes Begin Mid-June

How the Credits Add Up

54 Total Credits

24 course work credits (6 classes) + 30 internship credits

Summer Term

12-16 course-work credits (3-4 classes depending on track)

Academic Year

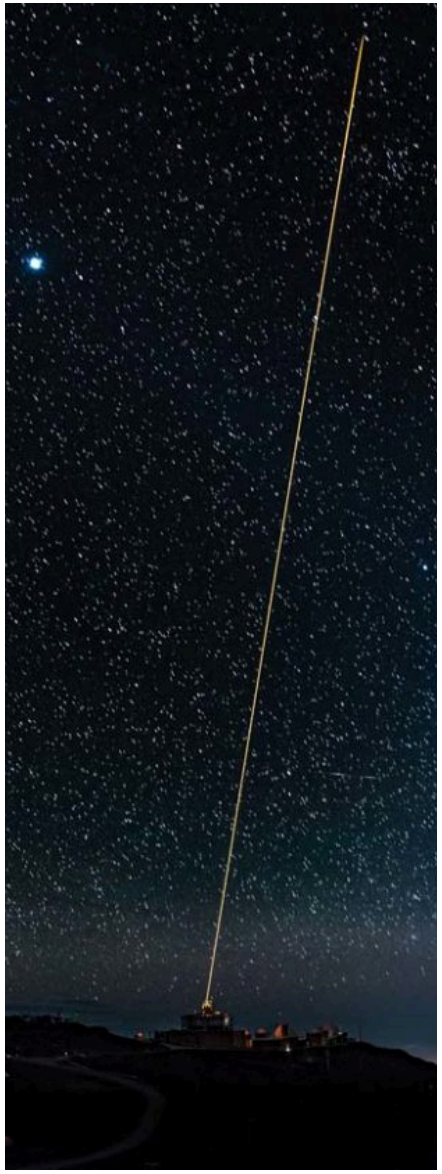
10 credits per term of internship – total of 30

8-12 (2-3 classes) additional course work credits

Approximate Cost

Summer & Internship Credit – anticipated , $540/credit

Remaining 8-12 Credits – at regular tuition rate of institution



Financial works out over the course of a year

If all 54 Credits were at $540/credit

$29,190 over 12-15 months (student fees range from $1,200 - $2,000)

Average Internship Salary

$54,840 over 12 months (insurance, moving stipend, benefits, …)

Students typically use financial aid to cover the upfront costs of course work and living expenses. Once a student has started their research position they can begin saving to pay off the costs of the degree.

Personal & Academic Achievement Scholarships

The Knight Campus Internship Program offers scholarships to help cover part of the costs.

Contact Lynde for more info: lynde@uoregon.edu

Recent Internships:

Photovoltaic & Semiconductor Device Processing

Center for Advanced Materials Characterization in Oregon, Cascade Microtech, GLOBALFOUNDRIES, Hitachi HTA, HP, Hummingbird Scientific, iBeam Materials, Keysight Technologies, Los Alamos National Lab, Microchip, Micron, MOBILE Semiconductor, Nanohmics, nLight, Polaris Battery Labs, Qorvo, Thermo Fisher Scientific (Materials Science Division), Tokyo Electron, Voxtel, Zemax.

Optical Materials & Devices

Arete´ Associates, Brewer Science, Electro Scientific Industries, Fiberguide Industries, IPG Photonics, Johnson & Johnson Consumer Inc., KLA Tencor, Lockheed Martin Company, Los Alamos National Lab, Moxtek, Nanohmics, NemaMetrix, nLight, Northrop Grumman, Raytheon, Stowers Institute for Medical Research, Thermo Fisher Scientific (Biosciences Division), Thermo Fisher Scientific (Materials Science Division), Thor Labs, Timbercon, Voxtel, Wavelength References, Zemax.

Polymers & Coatings

Arclin, Brewer Science, Center for Advanced Materials Characterization in Oregon, Cascade Microtech, Delphon, Digilens, Emerald Performance Materials, Hexion, HP, Intel, Johnson & Johnson Consumer Inc, Lawrence Livermore National Lab, Lonza (formerly Bend Research), Los Alamos National Lab, MOBILE Semiconductor, Nike IHM, Pacific Northwest National Lab, SACO AEI Polymers, Thermo Fisher Scientific (Biosciences Division), Voxtel, Willamette Valley Company, WR Grace, Xerox.

Internship.uoregon.edu