

Academic Quality and Student Success

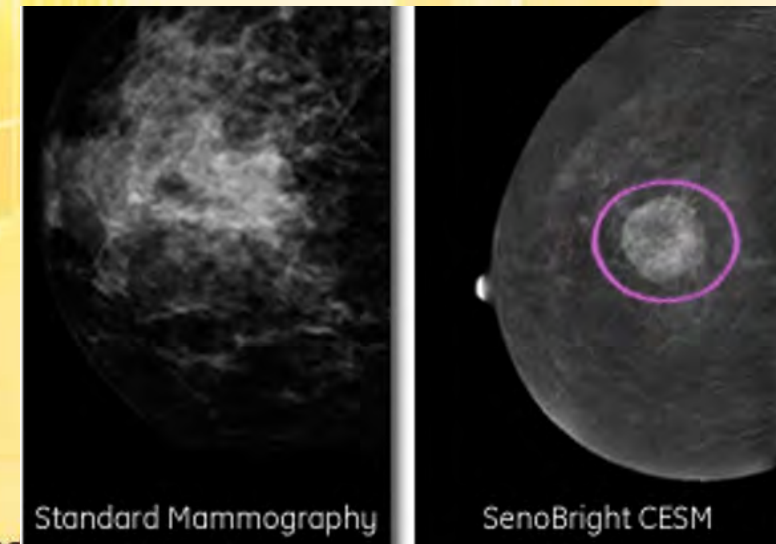
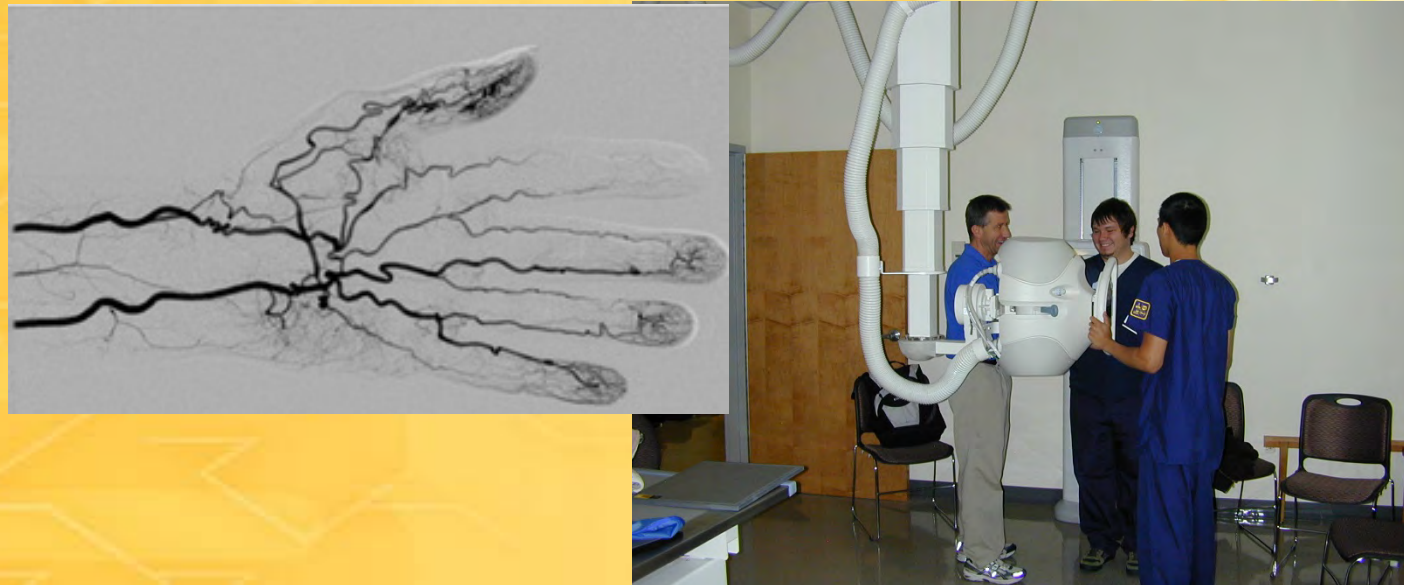
Medical Imaging Technology (MIT): Externships & Industry Partnerships



Background: Medical Imaging Programs

1. Radiologic Science

1. (**12**) Radiographic Xray Imaging Units/Suites
 1. (1) Flourosocopy unit
 2. (4) GE mammography units

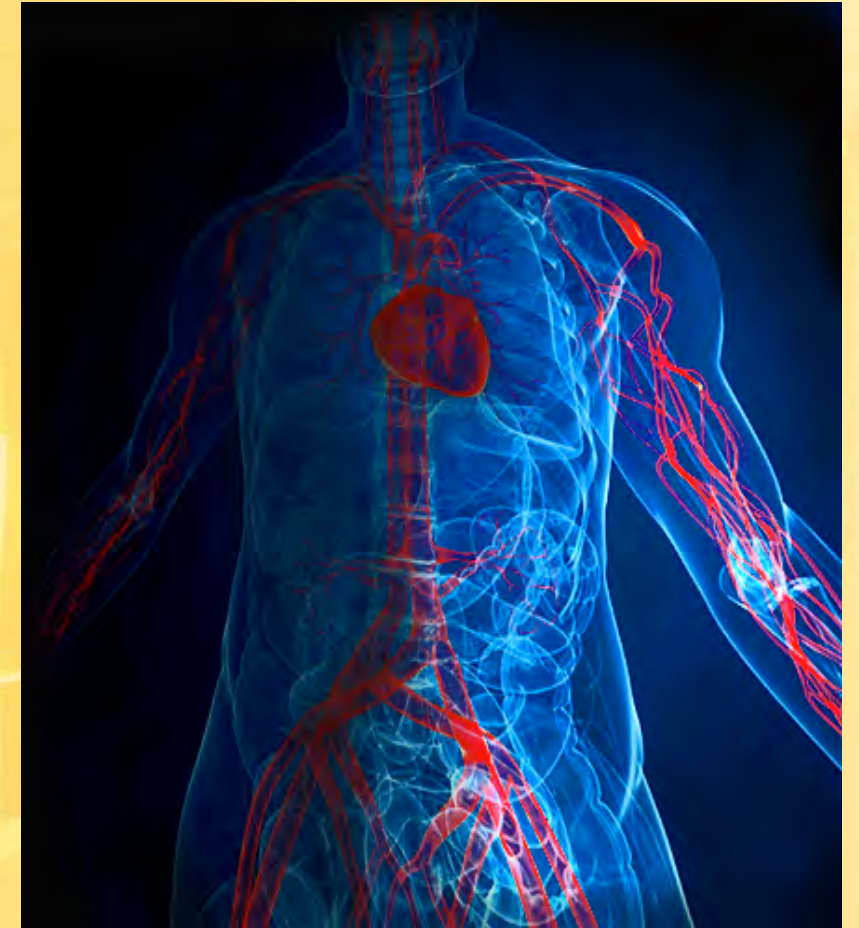




Background: Medical Imaging Programs

2. Vascular Technology

1. (10) Sonography Units/Suites





Background: Medical Imaging Programs

3. Diagnostic Medical Sonography

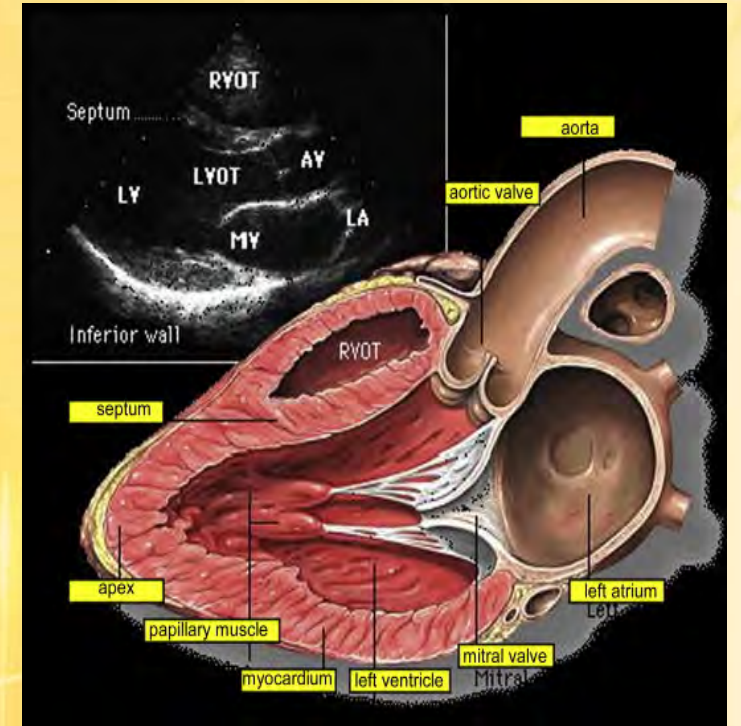
1. (10) Sonography units/Suites



Background: Medical Imaging Programs

4. Echocardiography

1. (5) sonography units

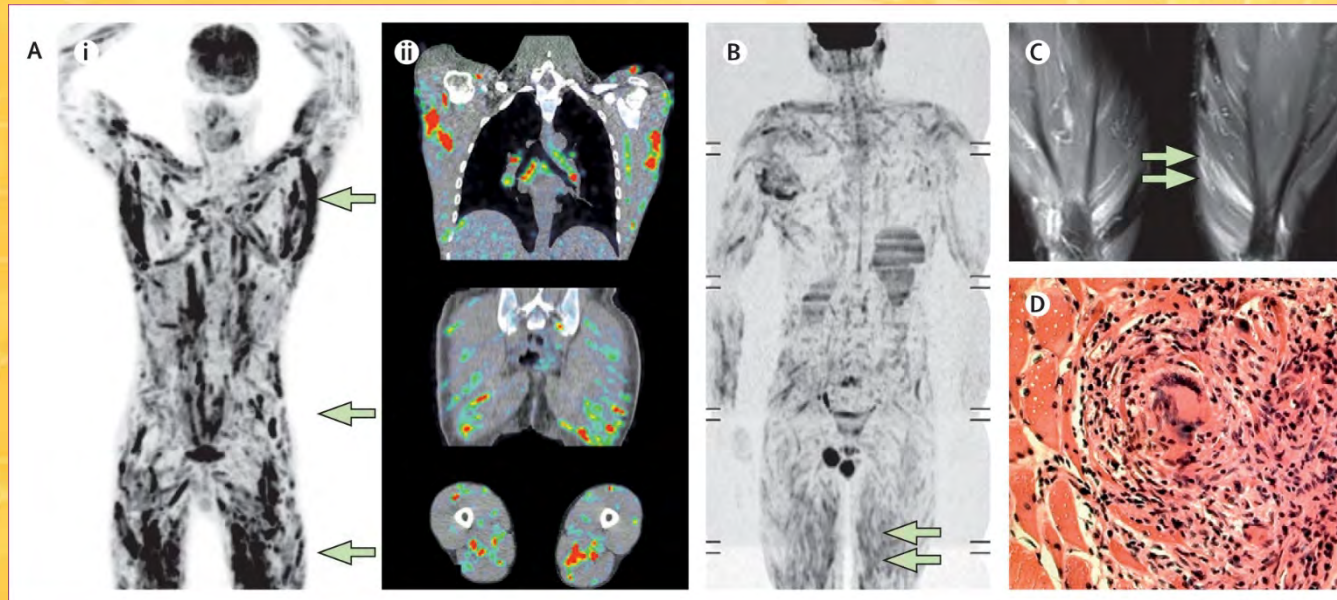




Background: Medical Imaging Programs

5. Nuclear Medicine & Molecular Imaging

1. (3) Gamma Cameras





Background: Medical Imaging Programs

Oregon Tech Competitive Differentiators:

1. **All B.S. degree** programs.
2. **Equipment** and **Space** on campus to gain experience.

“Hands-on education.....”

3. **11 month hospital externship**

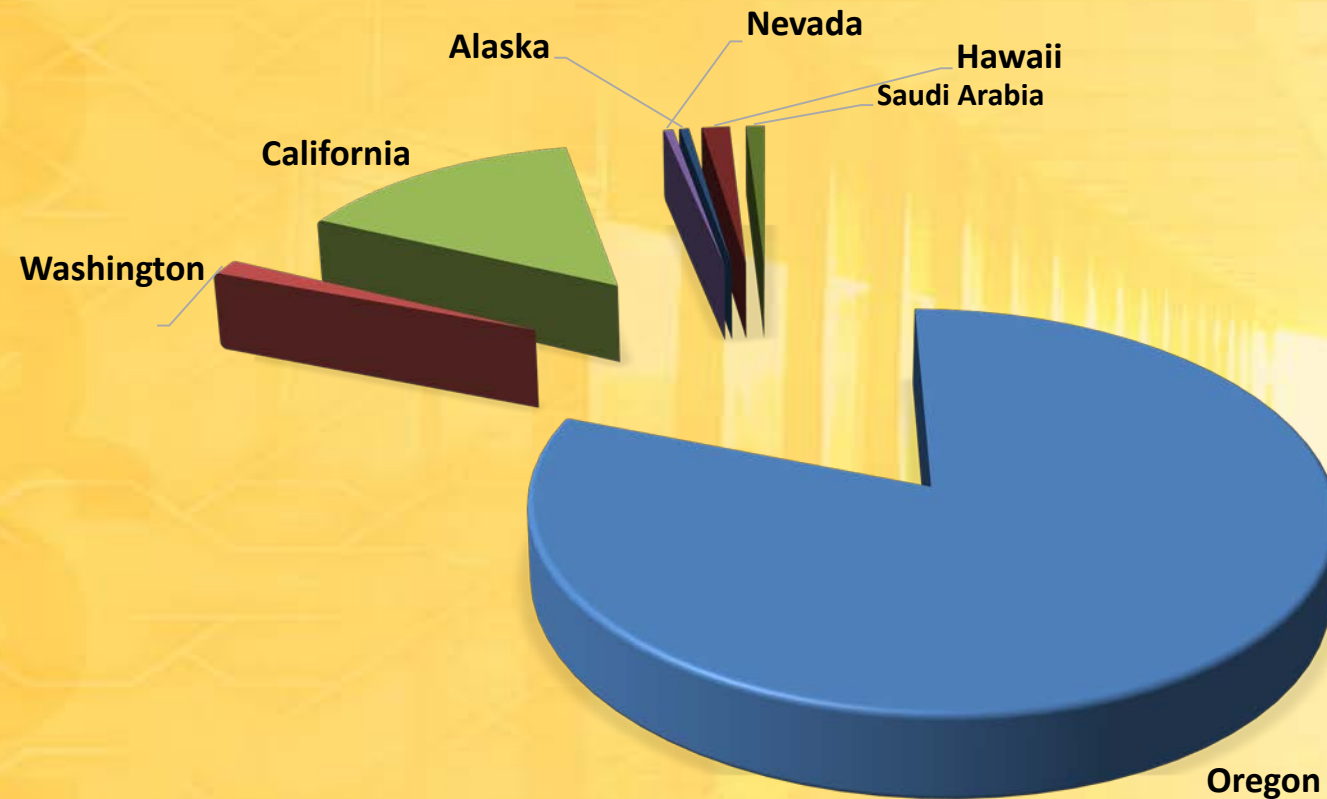
“Hands-on education.....”



Hands-on education for real-world achievement.

MIT: Where are our students coming from?

In State vs. Out of State

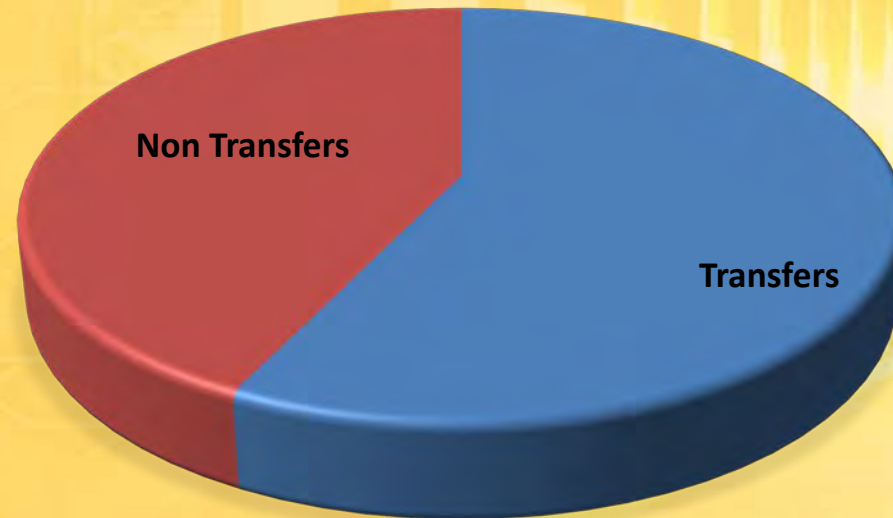


TOTAL MIT IN STATE VS. OUT OF STATE

MIT: Where are our students coming from?

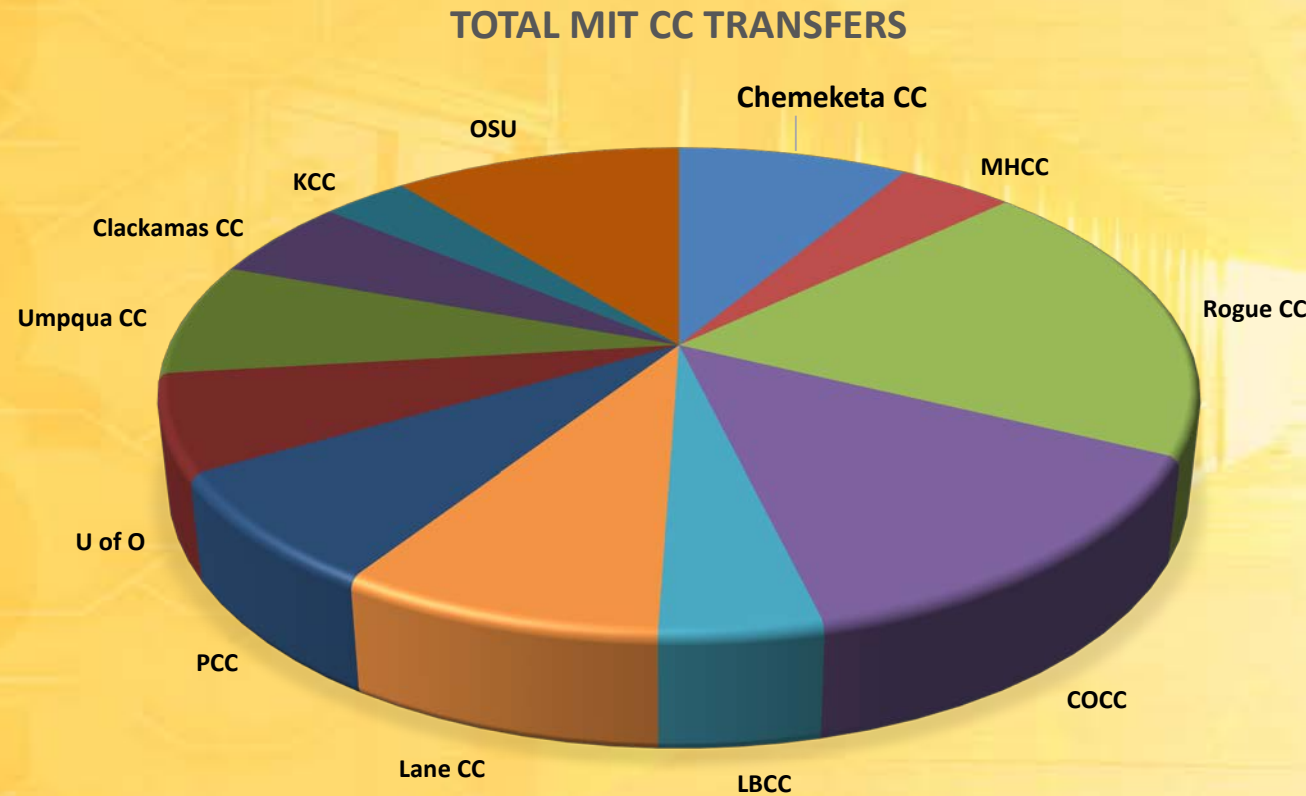
Transfers vs. Non-Transfers

TOTAL MIT TRANSFERS VS. NON TRANSFERS



MIT: Where are our students coming from?

Oregon CC Transfers



MIT: Impact at Oregon Tech

Pre-Medical Imaging: **200-287 Students/year**

1. Radiologic Science: **144** students total
2. Vascular Technology: **50-60** students total
3. Diagnostic Medical Sonography: **80-90** students total
4. Echocardiography: **50-60** students total
5. Nuclear Medicine and Molecular Imaging: **50-60** students total

Total: ~650 students/year (12% Total Oregon Tech enrollment)

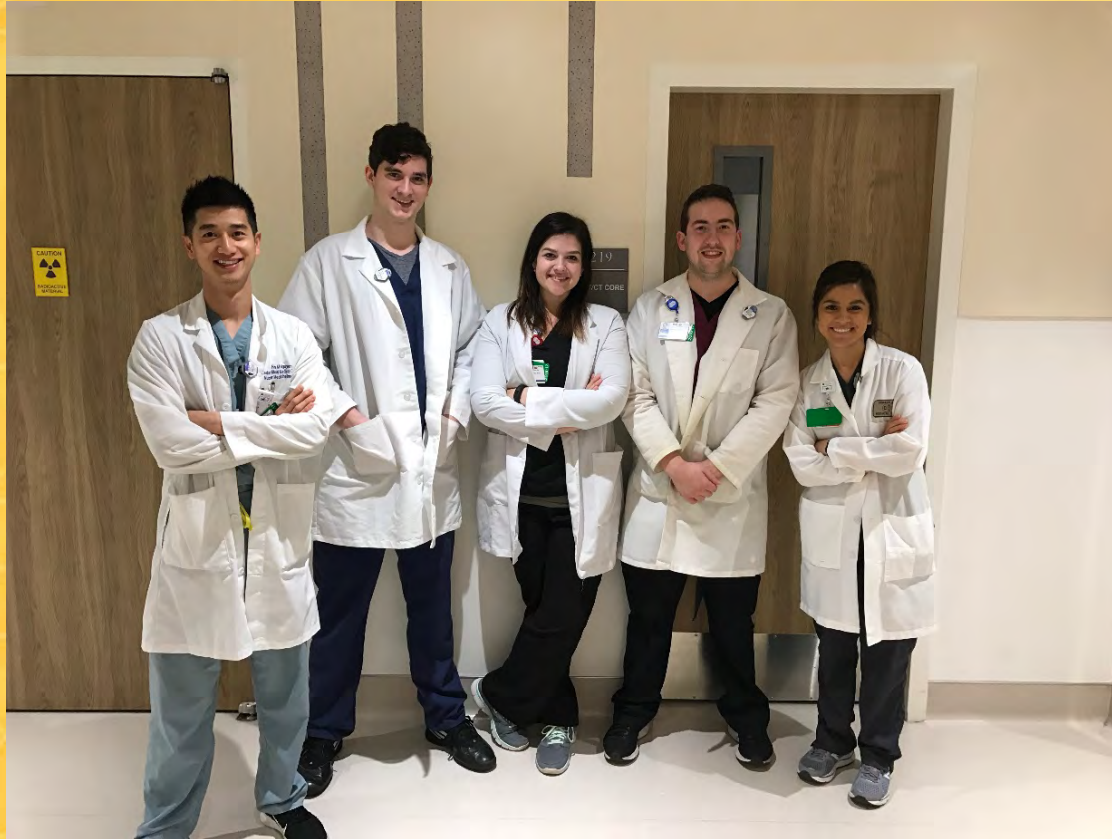
MIT: Tuition and Fees

- Klamath Falls**
 - Undergraduate**
 - Resident Tuition**
 - 15 credits**
 - \$9,541.00 tuition and fees per student per year**
- (Does not include programmatic tuition or differential tuition)**

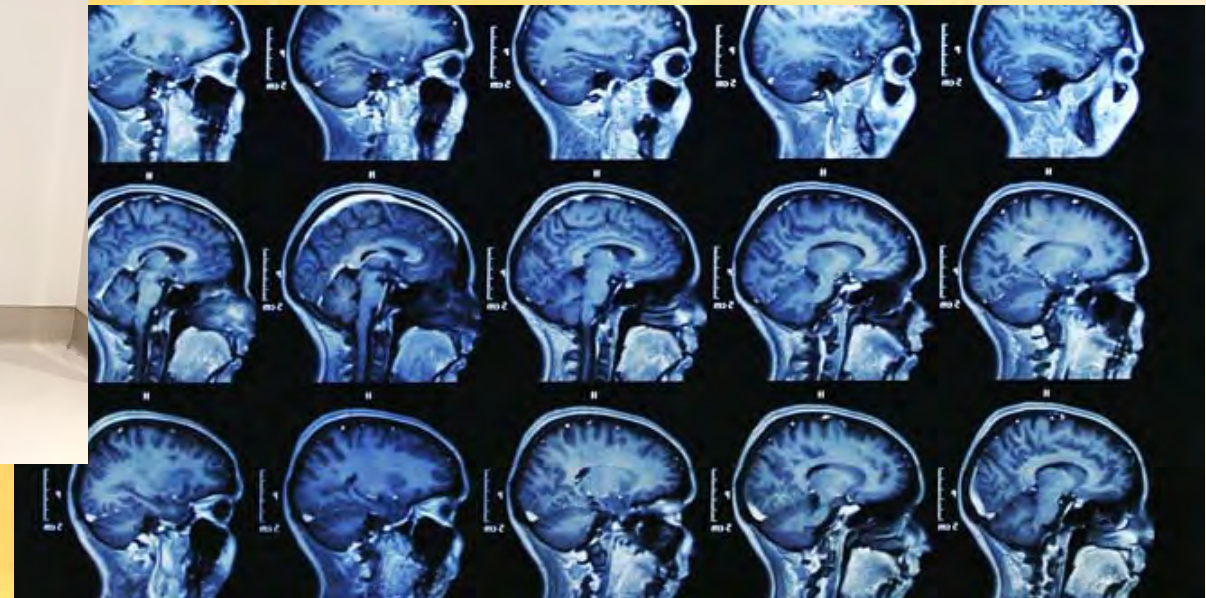
MIT: Tuition and Fees (Klamath Falls Undergraduate Resident Tuition-15 credits)

Pre-Medical Imaging: 250 students.	\$2,285,250.00
1. RDSC: 144 students/year.	\$1,373,904.00
2. Vascular: 50-60 students/year.	\$524,755.00
3. DMS: 90 students/year.	\$858,690.00
4. Echo: 50-60 students/year.	\$524,755.00
5. Nuc Med: 50-60 students/year.	\$524,755.00
Total: 650 students/year	<u>\$6,092,109.00/yr</u>

Academic Quality & Student Success



Graduates at Cedar Sinai Hospital, Beverly Hills, CA



**Academic Quality
Determines**



Student/Program Success

Student/Program Success

1. Define Success. What would success look like for our graduates?
2. How would/do we measure success?

Academic Quality Determines

Refine
Adjust
Develop

Inform

Student/Program Success Measures

Defining Success for our students:

1. Define Success: What would success look like?
 - A. Competitive in the job market.
 - B. 100% national registry board pass rates.
 - C. Ability to grow beyond the degree.
 - D. Satisfaction with career.
 - E. Grow Brand **recognition** through graduate success.
 - F. Grow Brand **reputation** through graduate success.
 - G. Positive student experience at/through Oregon Tech.
 - H. Address Professionalism and Emotional Intelligence.

The Nexus: **Academic Quality**

2. How do we Develop/Ensure success?

A. Curriculum development.

1. Lab Practicals in each lab.
2. Professional Evaluations: every student/every term.

B. Hire & retain Experienced/Motivated Faculty.

C. Development of Industry (Externship) Partnerships.

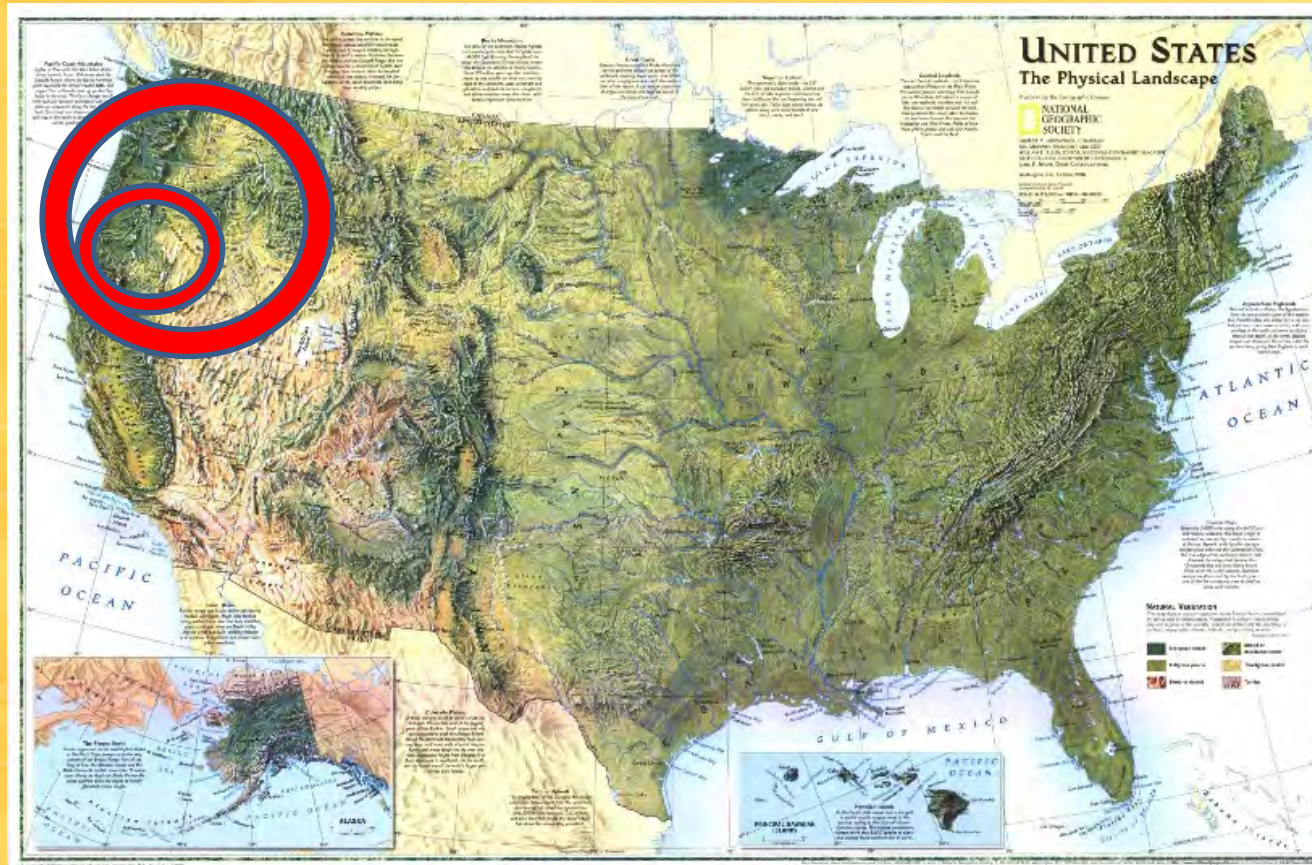
1. Sky Lakes Medical Center.
2. Clinical 11 month Externship sites/Industry Partners.
 - a. Develop diverse training opportunities.
 - b. Develop diverse geographical locations.

Maps of Externship Sites

1. Oregon Tech/MIT's primary market/focus/mission: **Oregon First!**



2. MIT's market development: **Northwest**



3. MIT's market development: **Western U.S.**



MIT potential enrollment increases

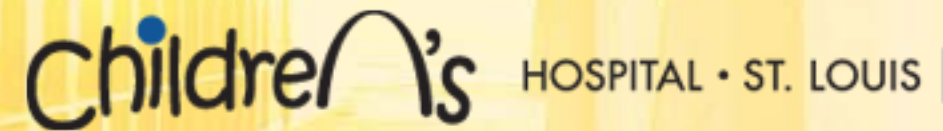
4. MIT's development: **Anywhere**



Develop Industry Partnerships:

1. “Cold Calls”. We contact them or they contact us.
2. Referrals from former graduates/networking.
3. Summer Productivity Grant: Summer 2016 (~\$7,000)

Barnes Jewish Hospital & St. Louis Children's Hospital



Baylor Scott & White Hospital College Station, TX



Baylor Scott & White, Temple, TX



l-world achievement.

The Nexus: **Academic Quality**

2. How do we develop/ensure success through Academic Quality?

A. Curriculum development.

1. Lab Practicals in each lab.
2. Professional Evaluations: every student/every term.

B. Experienced/Motivated Faculty.

C. Industry Partnerships.

1. Sky Lakes Medical Center.
2. Externship sites.
 - a. 11 month clinical externships.
 - b. Develop diverse opportunities.
 - c. Develop diverse geographical locations.

D. Updated Equipment/Space on campus for students to gain “Hands on education”

Academic Quality/Student Success: Equipment Support

- | | |
|--|--|
| 1. Equipment must be updated every: | 7-10 years. |
| 2. Medical Imaging equipment: | 2006 |
| 3. Echocardiography, Vascular, DMS Equipment: | 2017 |
| 4. Radiologic Science: (12) Imaging Units | 12 years old.
Needs updated |
| 5. Nuclear Medicine: (2) Imaging Units | 12 years old.
Needs updated |

Academic Quality/Student Success: Equipment Support

4. Radiologic Science: **(12) Imaging Units** **12 years old.**
Needs updated
- (3) Units down.
 - Cannibalized to support existing Units.
 - expecting other units to go down.
 - approaching double the life expectancy of equipment.

Academic Quality/Student Success: Equipment Support

5. Nuclear Medicine: **(2) Imaging Units** **12 years old.**
Needs updated

- Approaching double the life expectancy (7 years).
- Difficulty finding parts.
- Need updated software/equipment.

Academic Quality/Student Success: Equipment Support

“Fuel the engine that drives you”

Defining Success for our students:

1. Define Success: What would success look like?
2. How do we develop/ensure success through Academic Quality?
3. How do we measure success?

Student/Program Success

3. How do we measure success?

Measurement

A. We measure employment.

Surveys/First Focus.

2017 Graduates: (14 students) (243 graduates total)

Retention Rate: 14/16 88%

Student A	Seattle, WA	PT Alliance/PD Family Care
Student B	Castro Valley, CA	Full Time, Eden Medical Center
Student C	Medford, OR	Per Diem, RPMC
Student D	Scottsdale, AZ	Full time, MAYO
Student E	Eugene, OR	Full time, Sacred Heart
Student F	Urbana, ILL	Per Diem, Carle Foundation Hospital
Student G	Portland, OR	Full time, OHSU
Student H	Reno, NV	Full time, Renown
Student I	Billings, MT	Full time, St. Vincent's Hospital
Student J	Portland, OR	Full time, Cardiology NMCS
Student K	Anaheim, CA	Full time, Vascular Imaging Professionals
Student L	Parker, CO	Per Diem, Parker Adventist
Student M	San Diego, CA	Full time, Alliance Health PET/CT
Student N	Roseburg, OR	Full time. Alliance PET/CT

Student/Program Success

2. How do we measure success?

Measurement

A. Competitive in the job market.

B. 100% registry board pass rates.

Track Registry pass Rates

Look for trends

Student/Program Success

2. How do we measure success?

Measurement

- A. Competitive in the job market.
- B. 100% registry board pass rates.
- C. Ability to grow beyond the degree.

B.S. Degree
Encourage/Facilitate opportunities.
P.A. School
Medical School
Masters Degree Offerings
Leadership Training

Student/Program Success

2. How do we measure success?

Measurement

- A. Competitive in the job market.
- B. 100% registry board pass rates.
- C. Ability to grow beyond the degree.
- D. Satisfaction with career.

Alumni connections
First Focus Survey F/U
Clinical Instructors

Student/Program Success

2. How do we measure success?

Measurement

- A. Competitive in the job market.
- B. 100% registry board pass rates.
- C. Ability to grow beyond the degree.
- D. Satisfaction with career.
- E. Grow Brand reputation through graduate success.

Career Fair Feedback
Letters of Recommendation
Develop new extern sites

Student/Program Success

“We’ve found that the students from Oregon Tech are superior and better prepared....there was something about them.”

Tim Blakely

Director of Imaging

Renown Health, Reno, NV

March, 2017

Student/Program Success

2. How do we measure success?

Measurement

- A. Competitive in the job market.
- B. 100% registry board pass rates.
- C. Ability to grow beyond the degree.
- D. Satisfaction with career.
- E. Grow Brand reputation through graduate success.
- F. Positive student experience at/through Oregon Tech.

**Student/Graduate surveys
Exit Interviews**

Student/Program Success

2. How do we measure success?

Measurement

- A. Competitive in the job market.
- B. 100% registry board pass rates.
- C. Ability to grow beyond the degree.
- D. Satisfaction with career.
- E. Grow Brand recognition through graduate success.
- F. Grow Brand reputation through graduate success.
- G. Positive student experience at/through Oregon Tech.
- H. Address Professionalism and Emotional Intelligence.

Industry Surveys/Exit interviews

Academic Quality Future: Expanding the Influence

1. Update & Replace Equipment.

1. Mindray Sonography Partnership (30 units in 2017)
2. RDSC & NMMI next.

2. Addition of new programs?

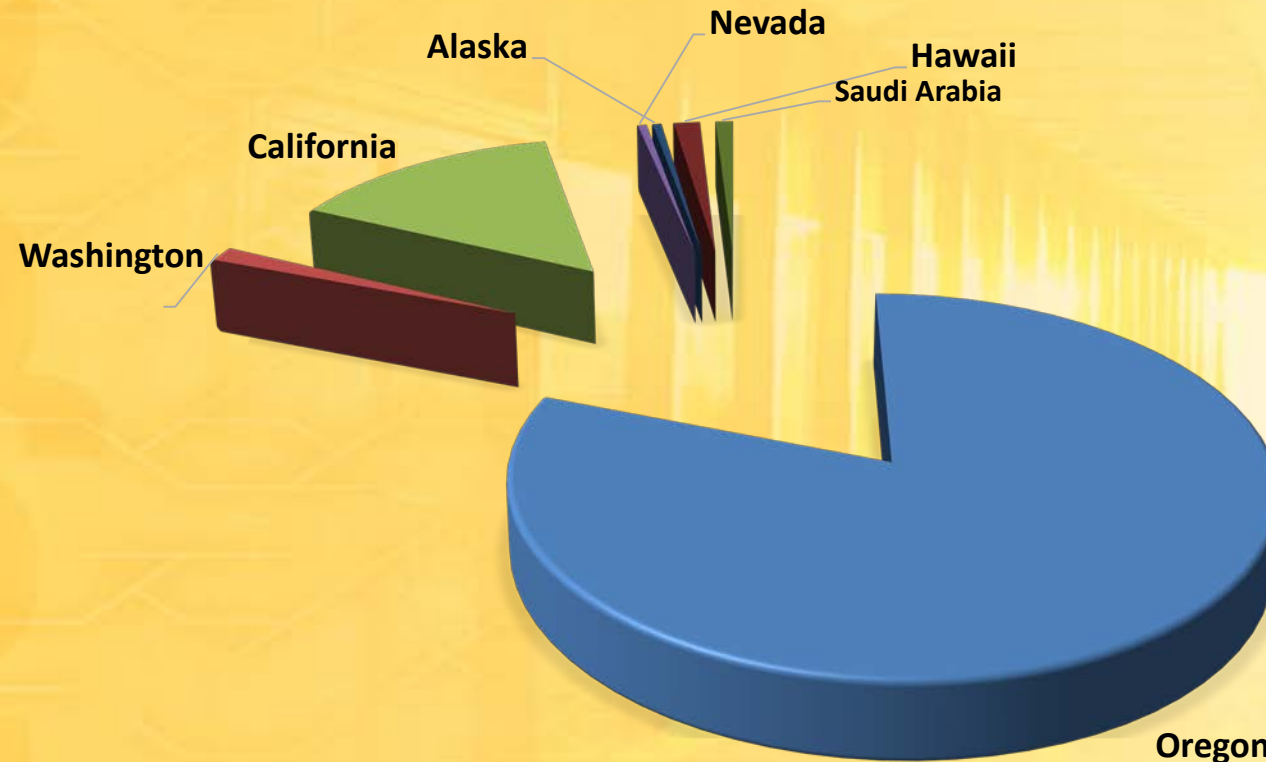
1. MRI Program?
2. RPA Program?
3. Radiation Therapy Program?

3. Grow/Develop Out of State Partnerships.

1. Expand Geographic Opportunities
2. Increase Out of State Profile
3. Attract Out of State Students

Medical Imaging Programs

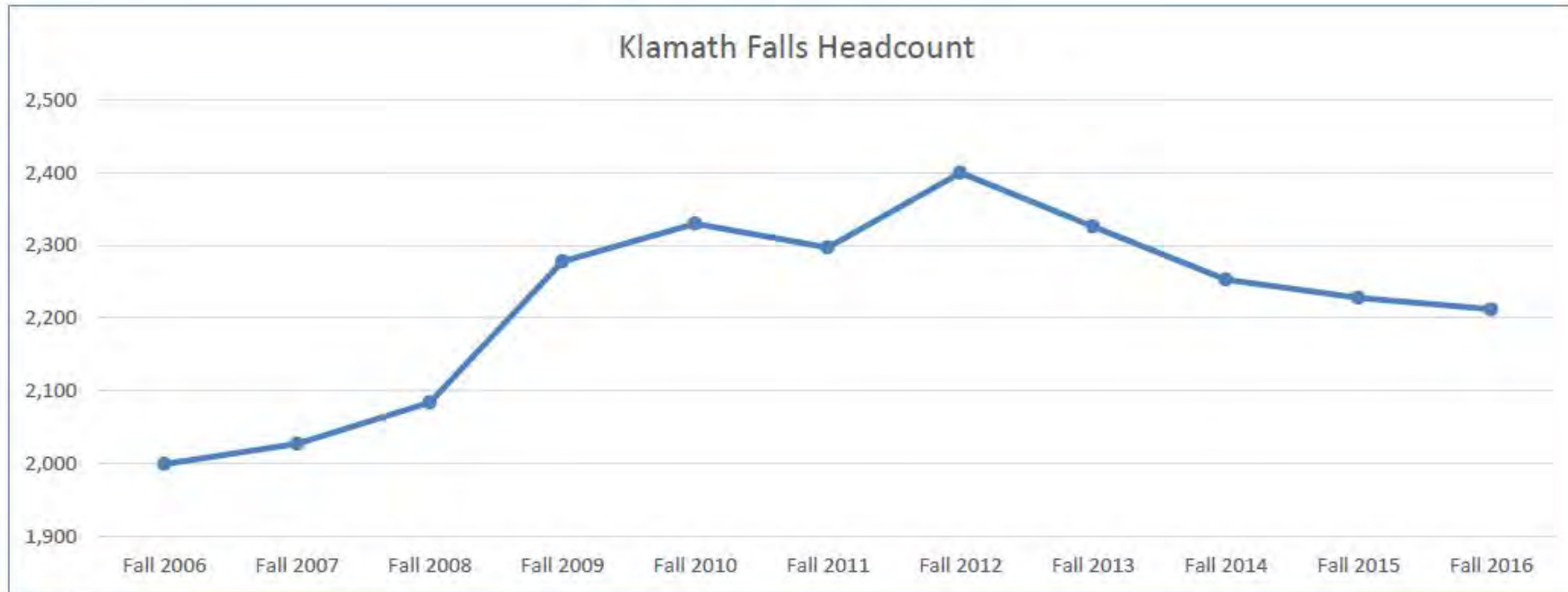
In State vs. Out of State



TOTAL MIT IN STATE VS. OUT OF STATE

Klamath Falls Headcount - Fall 4th Week

November 18, 2016



Headcount

	Fall 2006	Fall 2007	Fall 2008	Fall 2009	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015	Fall 2016
Resident	1,747	1747	1762	1858	1913	1880	1909	1,743	1693	1,693	1,693
Non-Resident	133	123	131	199	193	205	227	251	230	230	231
WUE	101	145	179	209	214	201	241	254	259	270	286
International/Foreign	13	12	12	12	10	11	23	30	21	35	37
Total	1,999	2,027	2,084	2,278	2,330	2,297	2,400	2,326	2,253	2,228	2,212

Percent Resident	87.6%	86.2%	84.5%	81.6%	82.1%	81.8%	79.5%	77.0%	77.4%	76.0%	75.0%
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-world achievement.

New model options for Out of state Tuition:

Option 1:

First Year at Oregon Tech: Full Out of State Tuition.

Second Year: Tuition decreases by _____%

Third Year: Tuition decreases by _____%

Fourth Year: In state tuition.

Beyond Fourth Year: Full Out of State Tuition.

Advantages:

1. “Casts a wider net” to out of state students.
2. Makes coming to Oregon Tech more attractive for out of state students.
3. Rewards students if they are accepted into a program.
4. Rewards students if they stay.
5. Rewards retention!

New model options for Out of state Tuition:

Option 2:

- Market to health care facilities/externship sites.
- First year taken at student's local college/university.
- Years 2 & 3 – Out of state tuition.
- Year 4 – externship in home town – In-state tuition.

Advantages:

1. “Casts a wider net” to out of state students.
2. Makes coming to Oregon Tech more attractive.
3. Focused marketing.
4. Develop new extern sites.
5. Financially attractive to the student.
6. Serves the needs of rural hospitals nation wide.

Thank You.

