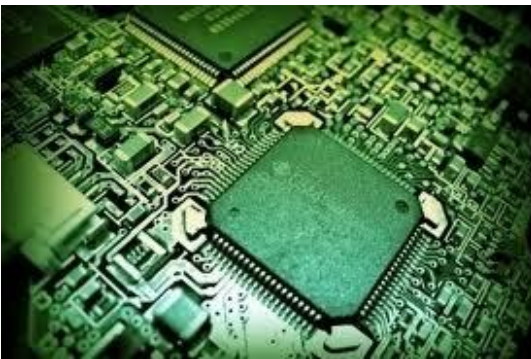


Electrical & Computer Engineering Professional Co-op



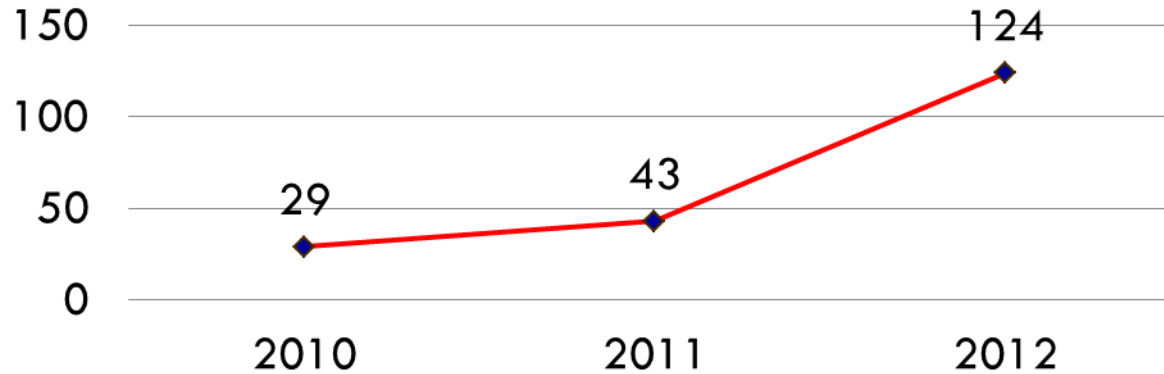
**Jessica Paquin, Asst. Director
Cooperative Education, ECE**



**Career Services &
Cooperative Education Center**

Spring 2013

UML Students in Professional Co-op Sites



College of Sciences

- Computer Science
- EEAS
- Math
- Physics
- Biological Sciences
- Chemistry

College of Engineering

- Electrical & Computer
- Chemical
- Mechanical
- Plastics



College of Management

- Management
- Accounting
- Finance
- Entrepreneurship
- Marketing
- MIS
- Operations & Supply Chain Management



Professional Co-op is...

- ▣ a program that systematically **alternates and integrates classroom studies** with **professional work experiences**
- ▣ a **partnership** among **students, the University and employers**; administered by the UMass Lowell Career & Co-op Center
- ▣ a **credit-bearing program** and is coordinated and supervised by the **professional co-op coordinator** and **faculty** affiliated with each participating College
- ▣ a **package of services**, including pre-course, full-time work experience & post-experience courses
- ▣ a **structured, selective, and voluntary** program for students

Professional Co-op is not...

A placement office

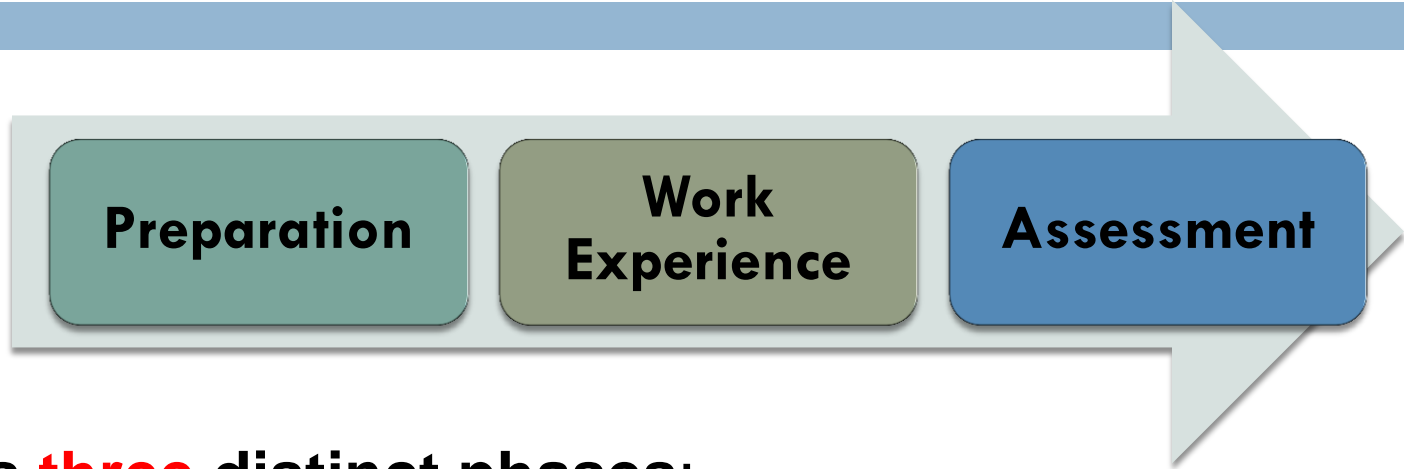
Whenever you feel like it

Unstructured

Unsupervised

Unpaid

Professional Co-op Sequence



Includes **three** distinct phases:

Preparation:

Enrollment/
Completion of
*Professional
Development
Seminar* (Fall 2013)

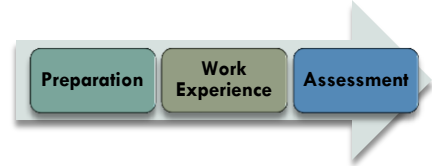
Work Experience:

Apply and accept
full-time work
opportunity for
3 or **6** months

Assessment:

Assess and review
your coop work
performance and
learning (online/in
person)

Academic Credits & Sequence



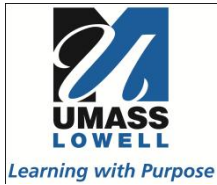
Preparation	Work Experience #1	Assessment 1
<p>Professional Development Seminar 25.210 (1 credit, Letter Graded)</p> <p>Provide necessary structure, resources, and support to successfully secure and engage in first cooperative education experience</p>	<p>CE 25.300 (0 credits)</p> <p>Co-op experience listed on transcript Name of employer, Term</p>	<p>Co-op Assessment 1 25.310 (1 credit, S/U)</p>

Work Experience #2	Assessment 2
<p>CE 25.400 (0 Credits)</p> <p>Co-op experience listed on transcript Name of employer, Term</p>	<p>Co-op Assessment 2 25.410 (1 credit, S/U)</p>

**= 3 credits
or Tech
Elective**

Services for Co-op Students

- On-going and individualized guidance and assistance
- Specially hosted networking event(s) for co-op students & regional employers
- Immediate access to all co-op positions listed on **CareerLINK** and direct referral to employers



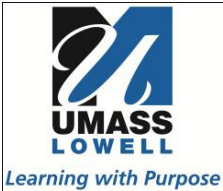
College of Science – Co-op Employers



STATE STREET



Plastics Engineering Co-op Employers



Freudenberg-NOK

HONDA
Honda of America Mfg., Inc.

CORNING



SPARTECH



SIGNODE
An ITW Company



NEX
Performance Films

RSCC
Aerospace & Defense
Innovation for Demanding Applications

DePuy
a Johnson & Johnson company

BEMIS

Sterilite

Boston
Scientific

Nypro

TEXTRON
Systems

CONFORMIS



X
XENITH

3M
3M Purification Inc

FRX
polymers



TW **SMC Ltd.**
IVI EMD MILLIPORE

NYPROMOLD INC.

TE
connectivity

TESCO
Associates

Aptar

Center for High-rate
Nanomanufacturing
nan
manufacturing center of UML

Navilyst
Medical

Reliance Engineering
a division of Built-Rite Tool & Die, Inc.



S & E SPECIALTY
POLYMERS

plastek

Mechanical Engineering Co-op Employers



SIEMENS





Learning with Purpose

Chemical Engineering Co-op Employers



ECE Targeted Employers

Raytheon



JUNIPER
NETWORKS

EMC²

BAE SYSTEMS



UTC Aerospace Systems

**More Technologies.
More United.**

Goodrich is now a part
of United Technologies.

The future of aerospace calls for
smarter, more efficient aircraft
systems and controls. Integrating
Goodrich and Hamilton Sundstrand
to create UTC Aerospace Systems
positions us to meet this demand.
[Learn more >>](#)



MITRE

Next Steps....

- Think about your next few years here...
- Attend **ECE Co-op Information Session**
(RSVP via **CareerLINK**)
 - How does co-op work?
 - What's expected of me if I participate in co-op?
 - How much does it cost to participate?
 - Will it take me longer than 4 years to graduate?
 - What about financial aid?
 - What do I do if I'm interested in co-op?

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