Electrical & Computer Engineering Professional Co-op

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Career Services & Cooperative Education Center

Spring 2013
### UML Students in Professional Co-op Sites

<table>
<thead>
<tr>
<th>Year</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>29</td>
</tr>
<tr>
<td>2011</td>
<td>43</td>
</tr>
<tr>
<td>2012</td>
<td>124</td>
</tr>
</tbody>
</table>

### 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

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www.uml.edu/co-op
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)

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# Academic Credits & Sequence

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

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

= 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
Mechanical Engineering Co-op Employers

SIEMENS
MDEVION medical systems
PERIMETER BRAND PACKAGING
Pfizer
RSCC Aerospace & Defense
KEURIG
BD
DRAPER LABORATORY
POLARTEC
MERCURY COMPUTER SYSTEMS
Chemical Engineering Co-op Employers

- Implant Sciences Corporation
- Pfizer
- MILLENNIUM
- VICOR
- ATRIUM
- Seabrook International
- STORZ KARL STORZ - ENDOSKOP
- TURI TOXICS USE REDUCTION INSTITUTE
- Trelleborg Vibracoustic
- CREATIVE MATERIALS
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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