

<b>Course #:</b>	<b>I420</b>																		
<b>Course Title:</b>	<b>Internship and Professional Practice</b>																		
<b>Course Type:</b>	Upper level elective																		
<b>Prerequisites:</b>	P: Approval of the director of informatics and completion of 100 and 200 level requirements in informatics.																		
<b>Credits:</b>	3																		
<b>Text Book:</b>	N/A																		
<b>References:</b>	<a href="http://www.cs.iusb.edu/internship/index.html">http://www.cs.iusb.edu/internship/index.html</a>																		
<b>Current Catalog Description:</b>	Students gain professional work experience in an industry or research organization setting, using skills and knowledge acquired in informatics course work.																		
<b>Course Goals</b>	<p>The student who completes this course will enhance their:</p> <p><b>Job Seeking Skills:</b></p> <ul style="list-style-type: none"> <li>- Resume preparation, job seeking and interviewing skills.</li> </ul> <p><b>Technical Skills:</b></p> <ul style="list-style-type: none"> <li>- Data modeling and database design</li> <li>- Process modeling and application development</li> <li>- Human computer interaction and user interface design</li> <li>- Software Engineering</li> </ul> <p><b>Professional Skills:</b></p> <ul style="list-style-type: none"> <li>- Professional writing and documentation skills</li> <li>- Presentation tools and skills</li> <li>- Brainstorming skills</li> <li>- Interpersonal skills</li> <li>- Project and time management skills</li> <li>- Working within a team (leading and following skills)</li> <li>- Ethics (Examination of ethical issues facing the information technology professionals)</li> </ul>																		
<b>Major Topics Covered in the Course</b>	Depends on the internship position																		
<b>Laboratory projects (specify number of weeks on each)</b>	Depends on the internship position																		
<b>Estimate Curriculum Category Content (Semester hours)</b>	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Area</th> <th>Core</th> <th>Advanced</th> </tr> </thead> <tbody> <tr> <td>Algorithms</td> <td></td> <td></td> </tr> <tr> <td>Software Design</td> <td></td> <td></td> </tr> <tr> <td>Comp. Arch.</td> <td></td> <td></td> </tr> <tr> <td>Data Structures</td> <td></td> <td></td> </tr> <tr> <td>Prog. Languages</td> <td></td> <td></td> </tr> </tbody> </table> <p>Curriculum content will vary depending on the internship position.</p>	Area	Core	Advanced	Algorithms			Software Design			Comp. Arch.			Data Structures			Prog. Languages		
Area	Core	Advanced																	
Algorithms																			
Software Design																			
Comp. Arch.																			
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<b>Oral and Written</b>	Every student is required to submit at least 3 written reports																		

<b>Communications</b>	typically 3 to 5 pages and to meet and discuss their work environment on a weekly basis. A final paper (typically 15 pages) is also prepared.
<b>Social and Ethical Issues</b>	Social and Ethical issues are discussed as situations arise.
<b>Theoretical Content</b>	Depends on the internship position
<b>Problem Analysis</b>	Depends on the internship position
<b>Solution Design</b>	Depends on the internship position
<b>Prepared By</b>	Hakimzadeh