

# CEMS HONORS SCHOLARS

Welcome to the CEMS Honors Scholars Program! As part of the CEMS Honors Scholars Program, you will participate in an Annual Leadership Retreat in January, participate in extra curricular research or design experiences, and complete a thesis in your senior year. The Table below provides details about requirements and opportunities.

Year	Fall	Spring
1	HCOL Fall Course HCOL 1000	HCOL 1500
2	HCOL 2000	HCOL 2000  t
Must be completed by April of the Junior year	<p>1 RESEARCH, DESIGN, OR CATCODERS EXPERIENCE</p> <ul style="list-style-type: none"> <li>- Research Experience with a faculty member (for credit or pay)</li> <li>- Internship in your field</li> <li>- Work on Catcoders project</li> <li>- Significant role on a project run by one of the CEMS clubs</li> </ul> <p>ATTENDANCE AT 4 HCOL Workshops. Examples include</p> <ul style="list-style-type: none"> <li>- Writing Patents</li> <li>- Basics of Business Plan / Proposal Writing</li> <li>- Leadership in Industry Talk</li> <li>- Using Github and Open Source Resources</li> <li>- Quick Introduction to R</li> <li>- Accessing the Scientific Literature through the Library</li> </ul>	
3	CEMS 2010 Seminar Series from Industry, National Labs, Faculty, and Students	CEMS 2020 Thesis Proposal and Preparation

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**THESIS**

*Select one of the following (Options 2 and 3 Require significant pre-planning):*

1. Traditional Research Thesis 3 credits Fall / 3 credits Spring of senior year. Please see the curriculum checksheets to see what courses the thesis replaces.

2. 3 credit industry internship for credit (CEMS 190 or a new course for HCOL internshipsW2i 0.9t

Thesis Prep Actions for Junior Year