

University of Portland Grand Challenges Scholars Program

Program Elements: The GCSP at UP requires that each student completes five components designed to prepare him/her to successfully contribute solutions to the Grand Challenges. Components designated at the expertise level include a direct connection to a Grand Challenge that helps the student to develop higher order competencies of application, analysis, evaluation, and/or creation. Components designated at the exposure level provide students with the breadth needed to understand Grand Challenges. The basic structure for the proposed program is outlined below.

1. **Creative Learning Experience** (Expertise Level Only)
2. **Interdisciplinary Experience** (Exposure Level Only)
3. **Entrepreneurship and Innovation Experience** (Exposure and Expertise Levels)*
4. **Global and Cross-Cultural Perspectives** (Exposure and Expertise Levels)*
5. **Social Consciousness Through Service-Learning** (Exposure Level Only)

* Either component 3 or 4 **must** be completed at the **expertise** level

	Description and ties to GCSP	Level
1.	Creative Learning Experience	
	<input type="checkbox"/> Senior Design Project <input type="checkbox"/> Report/Presentation Submitted	Faculty Member/Project Description: Expertise
	or	
	<input type="checkbox"/> Summer Research Project <input type="checkbox"/> Report/Presentation Submitted	Faculty Member/Project Description: Expertise
	or	
	<input type="checkbox"/> Directed Study Course <input type="checkbox"/> Report/Presentation Submitted	Faculty Member/Project Description: Expertise
2.	Interdisciplinary Experience	
	<input type="checkbox"/> History, Theology, Social Science, Literature, or Fine arts course <input type="checkbox"/> Assignment or paper with embedded elements of a grand challenge	Course number/Instructor: Exposure
	and	
	<input type="checkbox"/> Ethics course <input type="checkbox"/> Assignment or paper with embedded elements of a grand challenge	Course number/Instructor: Exposure

3. Entrepreneurship and Innovation			
<input type="checkbox"/> E-Scholars Program	Project Description:	Expertise	
or <input type="checkbox"/> Venture Competition and paper completed			
<input type="checkbox"/> Innovation Fellows Program	Project Description:	Expertise	
or <input type="checkbox"/> Reflective Paper or Presentation Submitted			
<input type="checkbox"/> ENT or INV or BUS course completed	Course number/Instructor:	Exposure	
or <input type="checkbox"/> Reflective Paper or Presentation Submitted			
<input type="checkbox"/> Franz Create-a-Thon completed	Project Description	Exposure	
or <input type="checkbox"/> Reflective Paper or Presentation Submitted			
4. Global and Cross-Cultural Perspectives			
<input type="checkbox"/> International Summer Research Project	Project Description:	Expertise	
or <input type="checkbox"/> Reflective Paper Submitted			
<input type="checkbox"/> Engineering Semester/Summer Abroad	Project Description:	Expertise	
or <input type="checkbox"/> Reflective Paper Submitted			
<input type="checkbox"/> International Engineering Internship	Project Description:	Expertise	
or <input type="checkbox"/> Reflective Paper Submitted			
<input type="checkbox"/> Global Engineering or International Structures (EGR430 or CE 456)	Course number/Instructor:	Exposure	
or <input type="checkbox"/> Reflective Paper Submitted			
<input type="checkbox"/> E-Scholars Immersion Program	Project Description:	Exposure	
or <input type="checkbox"/> Reflective Paper Submitted			
<input type="checkbox"/> Moreau Center Service Plunge	Project Description:	Exposure	
or <input type="checkbox"/> Reflective Paper Submitted			
<input type="checkbox"/> Service club international immersion project	Project Description:	Exposure	
or <input type="checkbox"/> Reflective Paper Submitted			
<input type="checkbox"/> Other study abroad experience	Project Description:	Exposure	

<input type="checkbox"/> Reflective Paper Submitted		
5.	Social Consciousness Through Service Learning	Exposure
<input type="checkbox"/>	Semester long/significant engineering service project.	Exposure
Project Description:		
<input type="checkbox"/> Reflective Paper Submitted		

Two of the GCSP components may be combined for curricular connectivity, e.g., E-Scholars meets the expertise level for component #3 and the exposure level for component #4. Similarly, the service-learning experience can be associated with an international community, meeting both components #4 and #5 at the exposure level. As the GCSP Program matures, we expect to add additional options for each component.