



Louisiana Tech College of Engineering & Science Grand Challenge Scholars Program

Congratulations! You are now a Grand Challenge Faculty Mentor!

This **guide** outlines what you need to do next:

- 1) REVIEW THEIR CURRICULAR PLAN. Be familiar with the requirements and review their plan to sure its meets each of the criteria. Make sure they send the GCSP Director a copy of their plan.
- 2) REVIEW FOR CURRICULAR CONNECTIVITY. Their Curricular Plan must demonstrate intellectual and thematic connectivity across the five curricular components and a Grand Challenge theme or problem.
- 3) KEEP AN EYE ON GPA. Your Apprentice should maintain a 3.2 GPA on all attempts of all courses to stay in the program. If they are making good progress, we will be lenient on this issue.
- 4) MEET ONCE A QUARTER WITH YOUR APPRENTICE. Before Advising, remind your Apprentice to stop by to that you can review their progress and Curricular Plan.
- 5) REVIEW THEIR ANNUAL PROGRESS REPORT. Your Apprentice must submit an Annual Report to you each year by May 1, outlining their accomplishments for the past academic year and a detailed plan for the upcoming academic year. Remind them to forward a copy of the report to the GCSP Director.
- 6) UPON COMPLETION OF THEIR CURRICULAR PLAN (and no later than the first day of classes of their final quarter) your Apprentice needs to:
 - a. submit a final report to you which must be forwarded to the GC Oversight Committee verifying the completion of their Plan;
 - b. YOU need to write a letter of recommendation to the GC Oversight Committee verifying that your Apprentice has satisfactorily completed the program requirements;
 - c. Work with your Apprentice to schedule a capstone presentation (to take place no later than the third week of their final quarter) to present and share information about their scholarship and project experiences (to be attended by the Oversight Committee, Faculty Mentor, other GC Scholar Apprentices, and others).
- 7) UPON SUCCESSFUL COMPETITION OF THE PROGRAM your Apprentice will be designated a Louisiana Tech University College of Engineering and Science Grand Challenge Scholar upon graduation and receive similar recognition from the National Academy of Engineering.

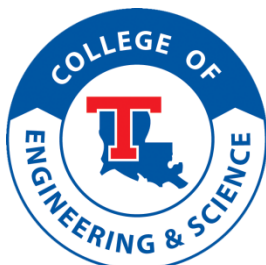
Want more Info on the **Louisiana Tech College of Engineering and Science GSCP?**

Check out the website at:

<http://www.latech.edu/coes/gcscholars>

or contact:

Dr. Jenna Carpenter, Director, Grand Challenge Scholar Program, at: jenna@latech.edu



Summary of 5 GC Curricular Component Options and Requirements

COMPONENTS	REQUIREMENTS	
Research Experience	Senior capstone research or design team or individual project and course(s)* related to a GC theme or problem	
Interdisciplinary Curriculum	ENGR 120,121,122 MATH 240, 241, 242 CHEM 100, 101 and PHYS 201*	and
	or	<u>One of the following courses*</u> : <ul style="list-style-type: none"> • BISC 470 (Medical Ethics) • BLAW 255 (Legal Environment of Business) • HNRS 110 (Foundations of Sociological Thought) • HNRS 114 (Foundations of Behavioral Thought) • HNRS 212 (Foundations of American Political Thought) • POLS 350 (International Relations)
All ISC MATH, CHEM, BISC, PHYS courses* required by science curriculum		
Entrepreneurship	GC-related project in the Top Dawg Business Plan Competition	or <u>Both of the following courses*</u> : <ol style="list-style-type: none"> 1) ENTR 430 (Innovative Product Design); <li style="text-align: center;">and 2) ENTR 460 (Innovative Venture Research)
Global Dimension	Louisiana Tech University Study Abroad Program	
	or	
	Approved International Study Program	
	or	
	Internship with significant global focus	
	or	
GEOG 205 (Cultural Geography)* and one of the following courses*: <ul style="list-style-type: none"> • HIST 406 (Modern Eastern Europe) • HIST 441 (History of Latin America since 1824) • HIST 436 (History of the Modern Near East) • POLS 460 (Politics of Developing Nations) • POLS 465 (Asian Politics) • GEOG 470 (Urban Geography) • POLS 302 (Comparative Foreign Governments) • POLS 350 (International Relations) • POLS 355 (American Foreign Policy) • SOC 360 (Sociology of Terrorism and Social Movements) 		
Each option under <u>Global Dimension</u> must submit a justification of how the proposed option will help cultivate an enhanced global awareness in the chosen field.		
Service Learning	One or more years as a Supplemental Instruction Tutor	
	or	
	One or more years as a BARC Tutor	
	or	
Sustained contribution for one or more years to Engineers Without Borders project(s) or LTESA service project(s) or equivalent approved experience		

*** All course(s) must be completed with a grade of "B" or higher**