Grand Challenge Scholars Program Application

Survey Instructions
This is the application for the Grand Challenge Scholars program. Please fill out the entire application and submit. You can NOT save your progress and return at a later time. Therefore we recommend that you go through the PDF version of this application on our website and write your answers down in a separate document. Then copy and paste your answers into the appropriate boxes in this application and submit.

Before you start, make sure you have an electronic copy of your resume. You will need to attach a copy of your resume to this application at the end.

Don't have a resume? Contact the Hegi Career Center (all majors), the Hart Center for Engineering Leadership (Lyle majors), or the Cox Career Center (Cox majors) and schedule an appointment with a career advisor to help you build or edit your resume.

We encourage you to utilize all services SMU offers to students. You can even go to the SMU Writing Center to get feedback on your application essay.

If you have any questions about this application, please email Beryl Hellinghausen at mhellinghaus@smu.edu.

Good Luck!

Q1. Please enter your first and last name in the form below.
  First Name __________________________________________________
  Last Name __________________________________________________

Q2. Please enter your SMU ID Number (this is an 8 digit number)

Q3. What is your current year at SMU?
  o First-year
  o Sophomore
  o Junior
  o Senior
Q4 What is your anticipated graduation semester and year?
   - Spring _________________________________
   - Summer ________________________________
   - Fall ________________________________

Q5. What are your current Major/Majors and Minor/Minors?
   Major/Majors __________________________________________________________
   Minor/Minors __________________________________________________________

Q6. Who is your current academic adviser?
   _______________________________________________________________________

Q7. What is your GPA (4.0 Scale)?
   *If you do not have a college GPA, please use your high school GPA.*
   Cumulative GPA _______________________________________________________
   Major GPA ____________________________________________________________

Q8. Which of the Grand Challenges are you interested in?
   Please rank up to three challenges you are interested in. Write a 1 next to the topic you would most like to study, then 2 and then 3 if need be.
   ______ Make solar energy economical
   ______ Provide energy from fusion
   ______ Develop carbon sequestration methods
   ______ Provide access to clean water
   ______ Manage the nitrogen cycle
   ______ Restore and improve urban infrastructure
   ______ Advance health informatics
   ______ Engineer better medicines
   ______ Reverse-engineer the brain
   ______ Prevent nuclear terror
   ______ Secure cyberspace
   ______ Enhance virtual reality
   ______ Advance personalized learning
   ______ Engineer the tools of scientific discovery
Q9. Why are you interested in engaging in this particular challenge(s)? Please answer between 100-300 words.

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

Q10. Please list all current involvement in student organizations, clubs, sports and other extra-curricular activities:

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

Q11. Please list prior and current involvement in research, internships, co-ops, fellowships and other co-curricular activities.

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________
Q12. Please list prior and current involvement in community engagement, alternative breaks, service learning and other volunteer activities:

_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________

Q13. In 300 to 500 words, please discuss why you want to be a Lyle Engineering Grand Challenges Scholars:

_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________

Q14. Please upload your Resume

Q15. Please sign below as confirmation that everything in the above application is true and accurate to the best of your knowledge.

Your Signature _______________________________________________________