### **Application Form**

Name and Student ID:

Major(s):

Intended semester and year of graduation:

**Part I** – Proposed Plan of Study: A minimum of three semesters of participation is required.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Grand Challenge Problem:** **Mentor:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Immersion level | Talent | Multicultural  | Multidisciplinary | Business / Entrepreneurship | Social Consciousness |
| High (pick two) | X |  |  |  |  |
| Medium (pick two) |  |  |  |  |  |
| Low (pick one) |  |  |  |  |  |

Explain briefly how you will satisfy the selected level of immersion for each competency. Please elaborate more in Part II (b). |
| **Talent:**  |
| **Multicultural:**  |
| **Multidisciplinary:**  |
| **Business/Entrepreneurship:**  |
| **Social Consciousness:**  |
| **Connectivity:** Participation in Grand Challenge Scholar events, peer mentor program and portfolio |

**Part II -** Explain in two pages or less (a) what you hope to accomplish through participation in the Grand Challenge Scholars Program and (b) how your plan of study relates to your specific Grand Challenge theme and fulfills the student learning outcomes listed below.

1. **Talent Competency**: Mentored research or creative experience on a Grand Challenge-like topic
2. **Multidisciplinary Competency**: Understanding of multidisciplinary of engineering systems solutions developed through personal engagement
3. **Multicultural Competency**: Understanding different cultures, preferably through multicultural experiences, to ensure cultural acceptance of proposed engineering solutions
4. **Viable Business/Entrepreneurship Competency**: Understanding, preferably developed through experience, of the necessity of a viable business model for solution implementation
5. **Social Consciousness Competency**: Understanding that the engineering solutions should primarily serve people and society reflecting social consciousness