

# Grand Challenges of Engineering Minor

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(16 credits)

Requires approval by Grand Challenge Scholar Program coordinator.

<b>Code</b>	<b>Title</b>	<b>Credits</b>
ENGR 290	Pers of the Grand Challenges	1
ENGR 423	Drone Science Fundamentals	3
or CHE 415	Introduction to 3D Printing	
or ENGR 301	Engineering Applications of Data Science	
or MTSE 318	Engineering Materials	
or OPSE 301	Introduction to Optical Science and Engineering	
or OPSE 310	Virtual Instrumentation	
or OPSE 410	Biophotonics	
ENGR 491	Research and Independent Study I	3
ENGR 492	Research and Independent Study II	3
IE 463	Invention and Entrepreneurship	3
or IE 492	Engineering Management	
or ENTR 210	Introduction to Entrepreneurship	
or ENTR 320	Financing New Venture	
or ENTR 330	Entrepreneurial Strategy	
or ENTR 440	Lean Startup Accelerator	
or ENTR 485	ST in Entrepreneurship	
ENGR 493	Service Learning Experience for Engineers	3
<b>Total Credits</b>		<b>16</b>