GRADUATE EMBEDDED CERTIFICATE IN SPACE ENTREPRENEURSHIP

Students complete 3 hours from each area to earn the certificate.

Students may also petition to substitute a course not listed as an option.

Code	Title	Credit Hours
Engineering		**3**
AE 6310	Optimization for the Design of Engineered Systems	
AE 6322	Spacecraft and Launch Vehicle Design I	
AE 6353	Orbital Mechanics	
AE 6372	Aerospace Systems Engineering	
AE 6450	Rocket Propulsion	
AE 6451	Electric Propulsion	
AE 6561	Reliable Control Software for Aerospace and Embedded Applications	
AE 8803	Special Topics (Satellite Orbit Determination)	
AE 8803	Special Topics (Spacecraft Attitude Determination and Control)	
ECE 6390	Satellite Communications and Navigation Systems	
ECE 8873	Special Topics (Technology Entrepreneur)	
NRE 8803	Special Topics in Nuclear Engineering	
Science		**3**
BIOL 6607	Molecular Biology of Microbes: Disease, Nature, and Biotechnology	
BIOL/EAS 6765	Geomicrobiology	
AE/EAS 8803	Special Topics (Space Instrumentation)	
CHEM 8813/8823	Special Topics in Inorganic Chemistry (Instrument Design)	
EAS 6360	Space Physics and Space Instrumentation	
EAS 6380	Land Remote Sensing	
EAS 6370	Physics of Planets	
International Affairs		**3**
INTA 6011	International Trade and Technology Transfer	
INTA 6740	Innovation, the State and Industrial Development in International Perspective	
INTA 6753	Comparative Science and Technology Policy	
INTA 8803	Special Topics (Space Policy)	
INTA 8803	Special Topics (Space Security)	
Business		**3**
MGT 6056	Electronic Commerce-Conducting Business on the Internet	
MGT 6059	Emerging Technologies	
MGT 6086	Entrepreneurial Finance and Private Equity	
MGT 6165	Venture Creation	
MGT 6667	Strategic Entrepreneurship	
MGT 6663	Technology Strategy	
MGT 8803	Special Topics in Management (Innovation Analysis)	
Total Credit Hours		**12**