

## Fall 2021 Start - Dual Degree - Course Plan

### Master of Science in Technology Ventures Dual Degree: MSTV & CMU Engineering Dept.

This course plan is for students considering dual degree program with the following engineering departments at CMU:

- [Mechanical Engineering](#)
- [Biomedical Engineering](#)
- [Civil & Environmental Engineering](#)
- [Materials Science & Engineering](#)
- [Chemical Engineering](#)

#### Fall 2021: First Term (Pittsburgh)

Required Course units: 48

##### Curriculum Plan

Course #	Course Title	Semester	Units	Code
Various	Home Engineering: Course Work*		48	R

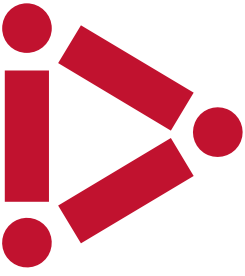
#### Spring 2022: Second Term (Pittsburgh)

Required Course units: 48

##### Curriculum Plan

Course #	Course Title	Semester	Units	Code
	Required MSTV Course			
49-850	Grand Challenge Innovation	Semester	12	R
	Required courses from various engineering departments			
Various	Applied Engineering & Technology Courses		36	R

#### Summer 2022: Third Term (Silicon Valley)



**Required Course units: 3**

**Curriculum Plan**

Course #	Course Title	Semester	Units	Code
49-859	MTSV - Internship	Semester	3	R

**Fall 2022: Fourth Term (Silicon Valley)**

**Required Course units: 48**

Minimum Units: 48

Maximum Units: 60

**Curriculum Plan**

Course #	Course Title	Semester	Units	Code
Required Courses				
49-802	Innovation & Entrepreneurship	Semester	12	R
49-853	Product Management	Mini 1	6	R
49-854	Business Models & Strategy	Mini 2	6	R
49-855	Venture Governance	Mini 2	6	R
49-856	Legal Issues in New Venture Creation	Mini 1	6	R
Elective Course(s)				
Various	Elective		12	E

**Spring 2023: Fifth Term (Silicon Valley)**

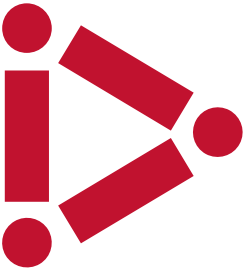
**Required Course units: 48**

Minimum Units: 48

Maximum Units: 60

**Curriculum Plan**

Course #	Course Title	Semester	Units	Code
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Required Courses				
49-804	The Leadership Challenge	Mini 4	6	R
49-851	Financial Fundamentals for New Ventures	Mini 3	6	R
49-852	Agile Marketing for New Ventures	Mini 4	6	R
49-857	Dynamic Global Teams	Mini 3	6	R
Elective Course(s)				
Various	Elective(s)		24	E

Key for Code:

R = a required course

E = elective

#### **MSTV & CMU Engineering - Dual Degree Curriculum Requirements**

- The 3-semester curriculum requires students to complete a minimum of 147 units of course work over three semesters and a summer: Spring, Fall & Spring; plus, a summer internship.
- 48 units will double-count towards the MS in Engineering & MSTV degree requirements.
  - 12 units, 49-850, Grand Challenge Innovation
  - 36 units, Applied Engineering Courses (fall or spring terms)
- Students must have a minimum QPA of 3.0 to graduate.
- For additional details regarding degree requirements, review the full Graduate Student Handbook [here](#).

\*All degree course plans are reviewed and updated annually during the spring semester. If you have any questions regarding updates, please email: [iii@cmu.edu](mailto:iii@cmu.edu).

Last Updated: 3/3/2021