

ENGINEERING CONCEPT, CREATION, AND COMMERCIALIZATION - CERTIFICATE

The Engineering Concept, Creation, and Commercialization Certificate provides students with the training and experience to develop their ideas, create/design solutions to solve customer needs, and to understand the process of commercializing developed solutions. The program focuses on developing an entrepreneurial mindset which will be valuable to the students as employees of companies or as creators of their own startup. Students from any engineering major may find great value in the knowledge and skills this certificate develops. The certificate is offered by the Engineering Entrepreneurship Program (<https://engineering.tamu.edu/student-life/eep/>), which offers a range of engagement opportunities to complement in-class learning.

Program Requirements

| Code | Title | Semester Credit Hours |
|---|--|-----------------------|
| ENGR 262 | | 1 |
| | or ENGR 462 or Engineering Entrepreneurship Hour | |
| ENGR 461 | Engineering Product Lean Launch | 3 |
| Select three of the following: ¹ | | 9 |
| BMEN 406 | Medical Device Path to Market | |
| BMEN 469 | Entrepreneurial Pathways in Medical Devices | |
| ENDS 101 | Design Process | |
| ENGR 311 | Enterprise Basics for Technical Entrepreneurs | |
| ENGR 312 | Sales, Operations and Manufacturing for Technology Companies | |
| ENGR 421 | Technology Company Management, Leadership, and Corporate Culture | |
| MEEN 490 | | |
| PETE 453 | Petroleum Entrepreneurship | |
| Total Semester Credit Hours | | 13 |

¹ Other courses may be approved as prescribed electives by the Certificate Program Director.