AEROSPACE ENGINEERING GRADUATE PATHWAY

Saint Louis University's Aerospace Engineering Graduate Pathway prepares students to enter the next semester of the Master of Science in Aerospace Engineering (https://catalog.slu.edu/colleges-schools/science-engineering/aerospace-mechanical/aerospace-engineering-ms/) or Ph.D. in Aerospace Engineering (https://catalog.slu.edu/colleges-schools/science-engineering/aerospace-mechanical/aerospace-engineering-phd/) degree. Upon successfully completing the graduate pathway program and meeting SLU's requirements for matriculation, students may enter the next semester of graduate study.

Program Entry Requirements

One-semester (Accelerated) Pathway

- Undergraduate degree or equivalent in engineering or a closely related field with 2.75 GPA on 4.0 scale
- Current résumé
- Professional goal statement
- Language requirement (one of the following):
  - TOEFL 75 (17 in reading and writing)
  - IELTS 6.0 (6.0 in reading and writing)
  - PTEA 50
  - Duolingo 105

Two-semester (Standard) Pathway

- Undergraduate degree or equivalent in engineering or a closely related field with 2.75 GPA on a 4.0 scale
- Current résumé
- Professional goal statement
- Language requirement (one of the following):
  - TOEFL 70 (13 in reading and writing)
  - IELTS 6.0 (5.5 in reading and writing)
  - PTEA 48
  - Duolingo 95
  - Completion of Academic English Level 4

Learning Outcomes

1. Students will be able to execute a variety of verbal tasks in academic settings using English that can be understood by those unaccustomed to non-native speakers.
2. Students will be able to execute a variety of written tasks in academic settings using English that can be understood by those unaccustomed to non-native writers.
3. Students will be able to apply a process-driven approach to completing verbal and written academic assignments in multiple disciplines and modes.
4. Students will be able to deploy reflective and self-regulated learning strategies.

Requirements

One-Semester (Accelerated) Pathway

Code	Title	Credits
Required Courses		
EAP 4200	Advanced Reading and Writing as Researchers for International Graduate Students	3
EAP 4250	Advanced Listening and Speaking for International Graduate Students II	2
CVNG 5010	Scholarly Practices in Engineering	3
MENG 5840	Numerical Methods	3
Total Credits		**11**

Two-Semester (Standard) Pathway

Code	Title	Credits
Required Courses		
EAP 4100	Introduction to Reading and Writing for International Graduate Students I	3
EAP 4150	Listening and Speaking for International Graduate Students I	2
EAP 4200	Advanced Reading and Writing as Researchers for International Graduate Students	3
EAP 4250	Advanced Listening and Speaking for International Graduate Students II	2
CVNG 5010	Scholarly Practices in Engineering	3
MENG 5840	Numerical Methods	3
AENG 5xxx	AENG Core	6
Total Credits		**22**

Continuation Standards

- Fulfillment of the continuation standards of the receiving degree program
- No C / C- / D / F / I / NP / U grades

Progression Requirements

- Fulfillment of the continuation standards of the receiving degree program
- No C / C- / D / F / I / NP / U grades
- Successful completion of program portfolio

Roadmap

This roadmap is just one example of a semester-by-semester plan of study for this program. There are other plans students can and do take. The plan of study for each particular student is established in consultation with each student's academic advisor; *this roadmap does not replace academic advising appointments.*

Roadmap notes:

- This Roadmap assumes full-time enrollment unless otherwise noted.
- Courses/Milestones marked with an "!" are critical and must be completed in the semester listed in the Roadmap to ensure a timely graduation.
- Course availability and sequencing are subject to change.

One-semester (Accelerated) Pathway

Course	Title	Credits
Year One		
EAP 4200	Advanced Reading and Writing as Researchers for International Graduate Students	3
EAP 4250	Advanced Listening and Speaking for International Graduate Students II	2
CVNG 5010	Scholarly Practices in Engineering	3
MENG 5840	Numerical Methods	3
	Credits	**11**
	Total Credits	**11**

Two-semester (Standard) Pathway

Course	Title	Credits
Year One		
Fall		
EAP 4100	Introduction to Reading and Writing for International Graduate Students I	3
EAP 4150	Listening and Speaking for International Graduate Students I	2
CVNG 5010	Scholarly Practices in Engineering	3
MENG 5840	Numerical Methods	3
	Credits	**11**
Spring		
EAP 4200	Advanced Reading and Writing as Researchers for International Graduate Students	3
EAP 4250	Advanced Listening and Speaking for International Graduate Students II	2
AENG 5xxx	AENG Core	3
AENG 5xxx	AENG Core	3
	Credits	**11**
	Total Credits	**22**