Lake Land College

Pre-Engineering

(AS.PENG) Associate in Science Degree

Science, Technology, Engineering & Mathematics

You might also like:

Workforce Ready
- Geospatial Technology – page 72

Transfer Ready
- Biological Science – page 138
- Chemistry – page 141
- Conservation–Pre-Forestry – page 143
- Conservation–Pre-Wildlife – page 144
- Earth Science – page 147
- Electronic Engineering Tech – page 65
- Engineering – page 150
- Environmental Science – page 152
- Mathematics – page 156
- Physics – page 159
- Pre-Engineering – page 163

This is a sample of major requirements. Consult a counselor or academic advisor before registering. Four-year college requirements vary from college to college. This degree is designed for students who do not plan to transfer to the University of Illinois. Students who are planning to transfer to the U of I should see the Engineering (AES.ENGR) degree program.

Specific graduation requirements are identified through degree audit. Additional developmental courses in math, reading and English may be required based on placement scores.

FIRST YEAR

First Semester		Hours
☐ CHM 150	General Chemistry I *	4
☐ MAT 241	Analytic Geometry/Calculus I *	5
☐ ENG 120	Composition I *	3
☐ ECO 231	Principles of Economics I	3
☐ TEC 103	Engineering Graphics	3
	SEMESTER TOTALS	**18**

Second Semester		
☐ CHM 151	General Chemistry II *	4
☐ MAT 242	Analytic Geometry and Calculus II *	4
☐ ENG 121	Composition II *	3
☐ PHY 140	University Physics I * †††	4
☐ ECO 232	Principles of Economics II *	3
	SEMESTER TOTALS	**18**

SECOND YEAR

First Semester		Hours
☐ PHY 141	University Physics II * †	4
☐ SPE 111	Introduction to Speech Communication	3
☐ BIO 100	Bio-science I	4
☐ MAT 151	C Programming/ Engineering Applications * †	3
☐ PHY 239	Mechanics I * †	3
☐	Humanities (IAI H)	3
	SEMESTER TOTALS	**20**

Second Semester		
☐ MAT 245	Differential Equations * †††	3
☐ PHY 240	Mechanics II * †††	3
☐ MAT 243	Analytic Geometry and Calculus III * †††	4
☐	Fine Arts (IAI F)	3
☐	Humanities *or* Fine Arts (IAI H, IAI F, *or* IAI HF)	3
☐	Social/Behavioral Science (IAI S)	3
	SEMESTER TOTALS	**19**

* There are prerequisites, course requisites or minimum placement test scores for this course
† Course only offered fall semester
††† Course only offered spring semester

See page 134 for specific general education requirements and course listings.

NOTES:_____

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