

Engineering Technology

Degree Program

ET33

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Curriculum

General Education Core – Total of 16 Hours

Area I – Language Arts/Communications – Choose 3 Hours

ENGL 1101 *Composition & Rhetoric* (3)

Area II – Social/Behavioral Sciences – Choose 3 Hours

HIST 1111 *World History I* (3)

HIST 1112 *World History II* (3)

Area III – Natural Sciences/Mathematics – Choose 7 Hours

MATH 1113 *Precalculus* (3)

MATH 1131 *Calculus I* (4)

Area IV – Humanities/Fine Arts – Choose 3 Hours

MUSC 1101 *Music Appreciation* (3)

Program-Specific Core – Total of 25 Hours

ENGL 1105 *Technical Communications* (3)

ENGL 1102 *Literature & Composition* (3)

SPCH 1101 *Public Speaking* (3)

PHYS 1111(L) *Introductory Physics + Lab* (4)

PHYS 1112(L) *Introductory Physics II + Lab* (4)

DFTG 2010 *Engineering Graphics* (4)

CHEM 1211(L) *Chemistry I + Lab* (4)

Choose a Specialization – Total 22 – 25 Hours

Electrical Engineering Specialization -

MATH 1132 *Calculus II* (4)

ENGT 1000 *Intro to Engineering Tech* (3)

ECET 1101 *Circuit Analysis I* (4)

ECET 2101 *Circuit Analysis II* (4)

ECET 1110 *Digital Systems I* (4)

ECET 2120 *Electronic Circuits I* (4)

Total: 64 Hours

Industrial Engineering Specialization -

CIST 2361 *C++ Programming I* (4)

ENGT 1000 *Intro to Engineering Tech* (3)

MEGT 1010 *Manufacturing Processes* (3)

MEGT 1321 *Machining & Welding* (2)

ACCT 1100 *Financial Accounting I* (4)

MATH 1127 *Introduction to Statistics* (3)

Occupational-Related Electives – Choose 6 Hours

Total: 66 Hours

Occupational-Related Electives

IDSY 1020 *Print Reading/Problem Solving* (3)

IDSY 1160 *Mechanical Laws/Principles* (4)

IDSY 1240 *Maintenance for Reliability* (4)

Mechanical Engineering Specialization -

CIST 2361 *C++ Programming I* (4)

MEGT 1010 *Manufacturing Processes* (3)

MEGT 1321 *Machining & Welding* (2)

MATH 1132 *Calculus II* (4)

DFTG 2020 *Visualization & Graphics* (3)

ENGL 2130 *American Literature* (3)

ENGT 1000 *Intro to Engineering Tech* (3)

Total: 63 Hours

For more information about our graduation rates, the median debt of students who complete programs, and other important information please visit our website:

<http://www.laniertech.edu/GE.aspx>

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Program Description

The Engineering Technology degree program is intended to provide the opportunity for students to explore a career in engineering at the professional level. Program graduates will receive an Associate of Applied Science degree in Engineering Technology, qualifying them as engineering technicians with a specialization in mechanical engineering technology, electrical engineering technology, or industrial engineering technology.

Program Specific Information

Students are accepted every semester based on course and space availability.

Program Length & Availability

4 Semesters

Campus Availability: Oakwood

Admissions Requirements

- Must be 16 years of age.
- High school diploma or GED is required prior to admission.
(Official transcripts or GED scores must be submitted from all colleges and/or high schools attended for credit.)
- ACCUPLACER Testing, or submit SAT, ACT, CPE, COMPASS, or ASSET test scores.

Financial Aid

This program is eligible for the Pell Grant and may be eligible for Institutional and State Financial Aid. Contact a Financial Aid Counselor for eligibility requirements and application materials.

[Click here to jump back to Curriculum](#)

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