

Drafting Technology

Diploma Program

DT12

Updated: 5/06/2015
Effective Term: 201516

[Click here to jump to Program Description, Admissions Requirements, and Financial Aid.](#)

Curriculum

Basic Skills – Total of 8 Hours

ENGL 1010 *Fundamentals of English I* (3)
EMPL 1000 *Interpersonal Relations* (2)

MATH 1012 *Foundations of Mathematics* (3) - OR -
MATH 1013 *Algebraic Concepts* (3)

Program-Specific Core – Total of 11 Hours

DFTG 1015 *Practical Math for Drafting Tech* (3) - OR -
MCHT 1013 *Machine Tool Math*

DFTG 1101 *CAD Fundamentals* (4)
DFTG 1103 *Multiview/Basic Dimensioning* (4)

Choose a Specialization – Total of 27 Hours

Mechanical Drafting Specialization

DFTG 1105 *3D Mechanical Drawing* (4)
DFTG 1107 *Adv. Dimensioning/Sect. Views* (4)
DFTG 1109 *Auxiliary Views/Surface Dev.* (4)
DFTG 1111 *Fasteners* (4)
DFTG 1113 *Assembly Drawings* (4)

Mechanical Drafting Electives – Choose 7 Hours

Architectural Drafting Specialization

DFTG 1125 *Architectural Fundamentals* (4)
DFTG 1127 *Architectural 3D Modeling* (4)
DFTG 1129 *Residential Drawing I* (4)
DFTG 1131 *Residential Drawing II* (4)
DFTG 1133 *Commercial Drawing I* (4)

Architectural Drafting Electives – Choose 7 Hours

Mechanical Drafting Electives

COMP 1000 *Introduction to Computers* (3)
DFTG 1125 *Architectural Fundamentals* (4)
DFTG 1127 *Architectural 3D Modeling* (4)
DFTG 1129 *Residential Drawing I* (4)
DFTG 1131 *Residential Drawing II* (4)
DFTG 1133 *Commercial Drawing I* (4)
DFTG 2010 *Engineering Graphics* (4)
DFTG 2020 *Visualization & Graphics* (3)
DFTG 2030 *Adv. 3D Modeling Architectural* (4)
DFTG 2040 *Adv. 3D Modeling Mechanical* (4)
DFTG 2110 *Print Reading I* (2)
DFTG 2120 *Print Reading/Architecture* (3)
DFTG 2130 *Manual Drafting Fundamentals* (2)
DFTG 2210 *Print Reading II* (2)
DFTG 2300 *Drafting Practicum/Internship III* (3)
DFTG 2400 *Drafting Practicum/Internship IV* (4)
DFTG 2500 *Drafting Exit Review* (3)
DFTG 2600 *Drafting Practicum/Internship VI* (6)
MGMT 1125 *Business Ethics* (3)
MGMT 2155 *Quality Management Principles* (3)
MGMT 2210 *Project Management* (3)

Architectural Drafting Electives

COMP 1000 *Introduction to Computers* (3)
DFTG 1105 *3D Mechanical Drawing* (4)
DFTG 1107 *Adv. Dimensioning/Sect. Views* (4)
DFTG 1109 *Auxiliary Views/Surface Dev.* (4)
DFTG 1111 *Fasteners* (4)
DFTG 1113 *Assembly Drawings* (4)
DFTG 2010 *Engineering Graphics* (4)
DFTG 2020 *Visualization & Graphics* (3)
DFTG 2030 *Adv. 3D Modeling Architectural* (4)
DFTG 2040 *Adv. 3D Modeling Mechanical* (4)
DFTG 2110 *Print Reading I* (2)
DFTG 2120 *Print Reading/Architecture* (3)
DFTG 2130 *Manual Drafting Fundamentals* (2)
DFTG 2210 *Print Reading II* (2)
DFTG 2300 *Drafting Practicum/Internship III* (3)
DFTG 2400 *Drafting Practicum/Internship IV* (4)
DFTG 2500 *Drafting Exit Review* (3)
DFTG 2600 *Drafting Practicum/Internship VI* (6)
MGMT 1125 *Business Ethics* (3)
MGMT 2155 *Quality Management Principles* (3)
MGMT 2210 *Project Management* (3)

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>

Drafting Technology

Diploma Program

DT12

Program Description

The Drafting Technology diploma program prepares students for employment in a variety of positions in the drafting field, such as drafter, CAD operator, or Civil Tech based on the specialization area a student chooses to complete. The program provides learning opportunities which introduce, develop, and reinforce academic and technical knowledge, skills, and attitudes required for job acquisition, retention, and advancement. Additionally, the program provides opportunities to upgrade present knowledge and skills or retrain in drafting practices and software.

Program Specific Information

Students are accepted each semester based on space and course 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](#)

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>