



**DRAFTING, CAD TECHNOLOGY
Degree Program**

Career Curriculum 00DRT0008
Associate in Applied Science
Minimum Hrs. 67
Major Code: 1.2 151302C

FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.	
DRT 181	Technical Drafting I	4	—
DRT 185	Computer Graphics I	2	—
ENG 101	English Composition I ¹ OR ENG 113 Professional Technical Writing ¹	3	—
IND 121	Manufacturing Processes I	2	—
IND 201	Metallurgy	2	—
MAT 113	Introduction to Contemporary Mathematics OR MAT 106 Technical Mathematics OR MAT 120 Elementary Statistics	3-4 16-17	—

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.	
ARC 184	Architecture Documents I	4	—
CIS 207	Computer Applications	3	—
DRT 182	Technical Drafting II	4	—
DRT 190	Computer Graphics II	2	—
SPE 115	Speech	3	—
		16	

SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.	
ARC 201	Strength of Materials	3	—
DRT 183	Detail and Assembly	2	—
DRT 187	Product Design	3	—
DRT 281	Computer Graphics III	3	—
DRT 283	Advanced Technical Drawing II	3	—
PSC 131	American Government OR HIS 201 United States History I OR HIS 202 United States History II	3 17	—

SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.	
DRT 186	Geometric Dimensioning and Tolerancing	2	—
DRT 282	Tool Design	3	—
DRT 286	Computer Graphics IV	3	—
IND 122	CAD-CAM Operations	2	—
MFT 101	Production Technology	3	—
PHY 121	Technical Physics	3	—
PSY 132	General Psychology	3	—
		19	

OPTIONAL

Dept. No.	Hrs.	Gr.	
ATI 200	Applied Technologies Internship	1-3	—

¹ Requires a grade of "C" or higher.

The Drafting, CAD Technology AAS Degree Program (00DRT0008) is the parent program to:

- General Drafting Certificate Program (00DRT0088)
- General Drafting II Certificate Program (00DRT0089)
- General Drafting III Certificate Program (00DRT0090)

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog).

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

*John A. Logan College reserves the right to modify this curriculum guide as needed.
Please verify with your academic advisor the accuracy and time lines of this document.*

Effective Date: Fall 2008

Additional Information: This curriculum is designed to prepare students for positions in the field of mechanical and architectural drafting. Emphasis is placed on the use of computer-aided drafting (CAD) to accomplish these goals. All practical work experience in layout and detailing is in accordance with standard practices recommended by the U. S. Department of Defense, American Society of Automotive Engineers, and other recognized standardized agencies. This is an ADDA certified drafting program.

Career Opportunities: CAD technician, draftsperson, detailer, junior tool designer, engineering draftsperson, CAD operator, CAD technician draftsperson, mechanical/industrial/architectural drafter.