



**DRAFTING, CAD TECHNOLOGY**  
**Toward an Associate in Applied Science Degree**

Career Curriculum  
 Associate in Applied Science  
 Minimum Hrs. 68  
 Major Code: 1.2 150810C

**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 <sup>2</sup> OR ENG 113 Professional Technical Writing <sup>2</sup>	3	___
IND 121	Manufacturing Processes I	2	___
IND 201	Metallurgy	2	___
MAT 106	Technical Mathematics <sup>1</sup>	4	___
		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 128	Human Relations OR PSY132 General Psychology	2-3 18-19	___

**Optional**

ATI 200 Applied Technologies Internship 1-3

<sup>1</sup> MAT 106 offered only in fall  
<sup>2</sup> Requires a grade of "C" or higher.

*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: Spring, 2006**

**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, draftsman, detailer, junior tool designer, engineering draftsman, CAD operator, CAD technician draftsman, mechanical/industrial/architectural drafter.