

Datatel Program Code	ACDCV.AAS
COTC Major Number	003322 OR 003011
CIP Code	15.1304

A grade of C (2.00) or better is required for all Drafting & Design Technology courses listed as prerequisites for advanced courses.

The student who successfully completes the courses listed below on this Plan of Study will earn an Associate of Applied Science Degree in Drafting & Design Technology, Civil Design Option.

KEY: * Indicates this course has a prerequisite; please see the Course Description Section on the COTC Web Page
 NT - Indicates this course fulfills a Non-Technical Course Requirement on this Plan of Study
 NT Elec - Indicates Elective Choice in the Non-Technical course requirement category
 T - Indicates this course fulfills a Technical Course Requirement on this Plan of Study
 T Elec - Indicates Elective Choice in the Technical course requirement category

TAG, C-TAG, OTM - Designation in this column indicates this course has been approved by the Ohio Board of Regents as a Transfer Assurance Guide (TAG), Career Technical Assurance Guide (C-TAG), or Ohio Transfer Module (OTM) course. Please follow this link on the COTC web site for more information: <http://www.cotc.edu/current-students/tags-transfer-module/Pages/index.aspx>

Course Name	Course Title	Course Credit Hours	Weekly Contact Hours	Tech, Non-Tech or Elective	Semester(s) Course Offered	SEM Course Approved As A TAG, C-TAG or OTM	Equivalent Quarter Course	Equivalent Quarter Cr Hrs
SEMESTER 1								
ARCH-110	CAD Fundamentals	2.00	3.00	T	AU	----	DDT-3706 & DDT-3707	2.00 & 2.00
ARCH-115	3D Design with SketchUp	1.50	2.50	T	AU	----	DDT-3759	2.00
ARCH-135	Technical Drawing	3.00	5.00	T	AU	----	DDT-3728 & DDT-3758	3.00 & 3.00
ARCH-150	Introduction to Design	2.50	4.50	T	AU	----	DDT-3757	4.00
CIVIL-160	Introduction to Civil Engineering Technology	2.00	3.00	T	AU	----	DDT-3731	3.00
* ENGL-110	Composition I	3.00	3.00	NT	SM,AU,SP	OTM	COM-1535	4.00
IDS-100	Campus Connections	1.00	2.00	NT	SM,AU,SP	----	None	----
TOTAL CREDIT & CONTACT HOURS		15.00	23.00					
SEMESTER 2								
* ARCH-111	Advanced CAD	2.00	3.00	T	SP	----	DDT-3707 & DDT-3708	2.00 & 2.00
ARCH-168	Construction Materials	3.00	4.00	T	SP	----	DDT-3748	5.00
ARCH-176	Architecture History Survey	3.00	3.00	NT	SP	OTM	DDT-3718	3.00
CIVIL-120	AutoDesk Civil 3D	1.50	2.50	T	SP	----	DDT-3704	2.00
* CIVIL-170	Site Engineering	3.00	5.00	T	SP	----	DDT-3733	4.00
* MATH-110	Trigonometry	3.00	3.00	NT	SM,AU,SP	OTM	MTH-1226	5.00
	Non-Technical Elective	2.00	2.00	NT Elec	See Choices Below			
TOTAL CREDIT & CONTACT HOURS		17.50	22.50					
SEMESTER 3								
ARCH-249	Construction Compliance	3.00	5.00	T	AU	----	None	----
* CIVIL-240	Statics & Strengths of Materials I	2.00	2.00	T	AU	----	DDT-3257	3.00
* CIVIL-245	Surveying	2.00	3.00	T	AU	----	None	----
* CIVIL-270	Land Development Drafting & Design	3.00	5.00	T	AU	TAG	DDT-3736	4.00
* PHYS-100	General Physics	4.00	5.00	NT	SM,AU,SP	----	PHY-1721	5.00
	Non-Technical Elective - Social & Behavioral Science	3.00	3.00	NT Elec	See Choices Below			
TOTAL CREDIT & CONTACT HOURS		17.00	23.00					

The College Reserves the Right to Change Curricula Without Notice.

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SEMESTER 4								
* ARCH-230	Building Mechanical Systems	2.00	4.00	T	SP	----	DDT-3737	3.00
* CIVIL-235	Structural Steel & Concrete	2.00	4.00	T	SP	----	DDT-3771	3.00
* CIVIL-241	Statics & Strengths of Materials II	2.00	2.00	T	SP	----	DDT-3258	3.00
* CIVIL-250	Soils, Asphalt and Concrete	2.00	3.00	T	SP	----	DDT-3717	2.00
* ENGL-111	Composition II	3.00	3.00	NT	SM,AU,SP	OTM	COM-1536	4.00
SPCH-100	Fundamentals of Communication	3.00	3.00	NT	SM,AU,SP	TAG	COM-1534	4.00
	Non-Technical Elective	3.00	3.00	NT Elec	See Choices Below			
	Technical Elective	2.00	6.00	T Elec	See Choices Below			
TOTAL CREDIT & CONTACT HOURS		19.00	28.00					

Total Semester Credit Hours Required for Completion of Degree	68.50
<i>Non-Technical Required Semester Credit Hours</i>	28.00
<i>Technical Required Semester Credit Hours</i>	40.50

Non-Technical Electives								
Total of 5.00 Semester Credit Hours Required to Complete this Degree								
BIO-105	Environmental Science	4.00	5.00	NT Elec	SM,AU,SP	OTM	BIO-1730	5.00
* BIO-120	General Biology	4.00	5.00	NT Elec	SM,AU,SP	----	BIO-1740	5.00
BUS-155	Spreadsheet Applications	3.00	4.00	NT Elec	SM,SP	----	BMS-2037 & BMS-2038	3.00 & 3.00
BUS-165	Presentation Applications	3.00	4.00	NT Elec	SM,SP	----	BMS-2205	4.00
DMD-100	Fundamentals of Drawing	3.00	7.00	NT Elec	AU,SP	TAG	DMD-3831	4.00
DMD-105	Digital Photography I	3.00	5.00	NT Elec	SP	TAG	DMD-3822 & DMD-3825	3.00 & 3.00
ENGRCH-200	Alternative & Renewable Energy Sources	3.00	5.00	NT Elec	SP	----	EMT-3201	3.00
* PHIL-100	Critical Thinking	3.00	3.00	NT Elec	SM,AU,SP	OTM	BHS-1006	3.00
* PHIL-200	Introduction to Ethics	3.00	3.00	NT Elec	SM,AU,SP	TAG,OTM	BHS-1340	3.00
Non-Technical Elective - Social and Behavioral Sciences								
Total of 3.00 Semester Credit Hours Required to Complete this Degree								
ECON-105	Principles of Microeconomics	3.00	3.00	NT Elec	SM,AU,SP	TAG,OTM	BMT-2025	4.00
* PSYCH-100	Introduction to Psychology	3.00	3.00	NT Elec	SM,AU,SP	TAG,OTM	BHS-1376	5.00
* PSYCH-200	Abnormal Psychology	3.00	3.00	NT Elec	SM,AU,SP	TAG,OTM	BHS-1376	5.00
* PSYCH-210	Developmental Psychology	3.00	3.00	NT Elec	SM,AU,SP	TAG,OTM	BHS-1345	5.00
* PSYCH-220	Social Psychology	3.00	3.00	NT Elec	SM,AU,SP	TAG,OTM	BHS-1370	5.00
* PSYCH-230	Organizational Psychology	3.00	3.00	NT Elec	SM,AU,SP	----	BHS-1385	3.00
* SOC-100	Introduction to Sociology	3.00	3.00	NT Elec	SM,AU,SP	TAG,OTM	BHS-1382	3.00
* SOC-110	Cultural Diversity	3.00	3.00	NT Elec	SM,AU,SP	TAG,OTM	BHS-1379	3.00
Technical Elective								
Total of 2.00 Semester Credit Hours Required to Complete this Degree								
ARCH-255	Architectural & Civil Design Capstone	2.00	6.00	T Elec	SP	----	DDT-3786	5.00
* ARCH-294	Architectural & Civil Design Co-op I	1.00	10.00	T Elec	SP	----	DDT-3910	5.00
* ARCH-295	Architectural & Civil Design Co-op II	1.00	10.00	T Elec	SP	----	DDT-3910	5.00
* ARCH-296	Architectural & Civil Design Co-op III	2.00	20.00	T Elec	SP	----	DDT-3910	5.00
* CIVIL-197-199	Special Topics in Civil Design	0.50-3.00	0.50-3.00	T Elec	SP	----	None	----
* CIVIL-297-299	Special Topics in Civil Design	0.50-3.00	0.50-3.00	T Elec	SP	----	None	----
* ENGRCH-105	Introduction to the Oil & Gas Industry	3.00	4.00	T Elec	SP	----	None	----