

Datatel Program Code	EGRCV.AAS
COTC Major Number	003430
CIP Code	15.0201

A grade of C (2.00) or better is required for all Technical category 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 Engineering Technology, Civil Engineering Major.

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-135	Technical Drawing	3.00	5.00	T	AU	-----	DDT-3728 & DDT-3758	3.00 & 3.00
* ENGL-112	Composition I	3.00	4.00	NT	SM,AU,SP	OTM	COM-1535	4.00
ENGR-100	INTRODUCTION TO ENGINEERING TECHNOLOGIES	1.00	1.00	T	AU	-----	None	-----
ENGR-106	COMPUTER APPLICATIONS FOR ENGINEERING TECHNOLOGIES	2.00	3.00	T	AU	-----	None	-----
IDS-100	Campus Connections	1.00	2.00	NT	SM,AU,SP	-----	None	-----
* MATH-150	Pre-Calculus	5.00	5.00	NT	SM,AU,SP	OTM	MTH-1216	5.00
TOTAL CREDIT & CONTACT HOURS		17.00	23.00					
SEMESTER 2								
* ARCH-111	Advanced CAD	2.00	3.00	T	SP	-----	DDT-3707 & DDT-3708	2.00 & 2.00
CIVL-120	AutoDesk Civil 3D	1.50	2.50	T	SP	-----	DDT-3704	2.00
CIVL-160	Introduction to Civil Engineering Technology	2.00	3.00	T	SP	-----	DDT-3731	3.00
* CIVL-245	Surveying	2.00	3.00	T	SP	TAG	None	-----
* ENGL-208	TECHNICAL WRITING	3.00	4.00	NT	SM,AU,SP	TAG	COM-1525	3.00
* MECH-201	FLUID MECHANICS	2.00	3.00	T	SP	-----	None	-----
* PHYS-100	General Physics	4.00	5.00	NT	SM,AU,SP	-----	PHY-1721	5.00
TOTAL CREDIT & CONTACT HOURS		16.50	23.50					

The College Reserves the Right to Change Curricula Without Notice.

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SEMESTER 3

* CIVL-170	Site Engineering	3.00	5.00	T	AU	-----	DDT-3733	4.00	
* CIVL-235	Structural Steel & Concrete	2.00	4.00	T	AU	-----	DDT-3771	3.00	
* CIVL-240	Statics & Strengths of Materials I	2.00	2.00	T	AU	-----	DDT-3257	3.00	
* CIVL-260	CONSTRUCTION MATERIALS AND TESTING	2.00	4.00	T	AU	-----	None	-----	
* PHIL-200	INTRODUCTION TO ETHICS	3.00	3.00	NT	SM,AU,SP	OTM,TAG	BHS-1340	3.00	
SPCH-100	Fundamentals of Communication	3.00	3.00	NT	SM,AU,SP	TAG	COM-1534	4.00	
	Non-Technical Elective - Social & Behavioral Science	3.00	3.00	NT Elec	See Choices Below				
TOTAL CREDIT & CONTACT HOURS		18.00	24.00						

SEMESTER 4

ARCH-249	Construction Compliance	3.00	5.00	T	AU	-----	None	-----	
BIO-105	Environmental Science	4.00	5.00	NT	SM,AU,SP	OTM	BIO-1730	5.00	
* CIVL-241	Statics & Strengths of Materials II	2.00	2.00	T	SP	-----	DDT-3258	3.00	
* CIVL-265	SOIL MECHANICS AND FOUNDATIONS	3.00	5.00	T	SP	-----	None	-----	
ENGR-205	ENGINEERING TECHNOLOGY LEADERSHIP AND SUPERVISION	2.00	2.00	T	SP	-----	None	-----	
* ENGR-279	ENGINEERING TECHNOLOGY CAPSTONE	2.00	6.00	T	SP	-----	ARCH-255	2.00	
ENGR-296	ENGINEERING TECHNOLOGY CO-OP EXPERIENCE	3.00	21.00	T	SP	-----	ARCH-294/295	1.00 & 2.00	
TOTAL CREDIT & CONTACT HOURS		19.00	46.00						

Total Semester Credit Hours Required for Completion of Degree 70.50

Non-Technical Required Semester Credit Hours 29.00

Technical Required Semester Credit Hours 41.50

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
* PSY-100	Introduction to Psychology	3.00	3.00	NT Elec	SM,AU,SP	TAG,OTM	BHS-1376	5.00
* 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 Electives

ENGR-105	Introduction to the Oil and Gas Industry	3.00	3.00	T	AU	-----	None	-----
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