

Plan of Study for the Associate of Applied Science Degree in  
**ENGINEERING TECHNOLOGY -**  
**Architectural Engineering Major**

Datatel Program Code	EGRAR.AAS
COTC Major Number	003420
CIP Code	15.1303

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, Architectural 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
<b>SEMESTER 1</b>								
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
* 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	-----
	Non-Technical Elective - Social & Behavioral Science	3.00	3.00	NT Elec	See Choices Below			
<b>TOTAL CREDIT &amp; CONTACT HOURS</b>		<b>16.50</b>	<b>23.50</b>					
<b>SEMESTER 2</b>								
* ARCH-111	Advanced CAD	2.00	3.00	T	SP	-----	DDT-3707 & DDT-3708	2.00 & 2.00
* ARCH-125	Revit Architecture	1.50	2.50	T	SP	-----	DDT-3705	2.00
ARCH-168	Construction Materials	3.00	4.00	T	SP	-----	DDT-3748	5.00
* ARCH-190	Architecture I	3.00	5.00	T	SP	-----	DDT-3766	4.00
* MATH-150	Pre-Calculus	5.00	5.00	NT	SM,AU,SP	OTM	MTH-1216	5.00
* PHYS-100	General Physics	4.00	5.00	NT	SM,AU,SP	-----	PHY-1721	5.00
<b>TOTAL CREDIT &amp; CONTACT HOURS</b>		<b>18.50</b>	<b>24.50</b>					

The College Reserves the Right to Change Curricula Without Notice.

Plan of Study for the Associate of Applied Science Degree in  
**ENGINEERING TECHNOLOGY -**  
**Architectural Engineering Major**

Datatel Program Code	EGRAR.AAS
COTC Major Number	003420
CIP Code	15.1303

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
<b>SEMESTER 3</b>								
ARCH-176	Architecture History Survey	3.00	3.00	NT	AU	OTM	DDT-3718	3.00
* ARCH-290	Architecture II	3.00	5.00	T	AU	-----	DDT-3776	4.00
BIO-105	Environmental Science	4.00	5.00	NT	SM,AU,SP	OTM	BIO-1730	5.00
* CIVL-240	Statics & Strengths of Materials I	2.00	2.00	T	AU	-----	DDT-3257	3.00
* ENGL-208	TECHNICAL WRITING	3.00	4.00	NT	SM,AU,SP	TAG	COM-1525	3.00
SPCH-100	Fundamentals of Communication	3.00	3.00	NT	SM,AU,SP	TAG	COM-1534	4.00
<b>TOTAL CREDIT &amp; CONTACT HOURS</b>		<b>18.00</b>	<b>22.00</b>					
<b>SEMESTER 4</b>								
* ARCH-230	Building Mechanical Systems	2.00	4.00	T	SP	-----	DDT-3737	3.00
ARCH-249	Construction Compliance	3.00	5.00	T	SP	-----	None	-----
* CIVL-241	Statics & Strengths of Materials II	2.00	2.00	T	SP	-----	DDT-3258	3.00
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
ENGR-296	ENGINEERING TECHNOLOGY CO-OP	3.00	21.00	T	SP	-----	ARCH-294/295	1.00 & 2.00
* PHIL-200	INTRODUCTION TO ETHICS	3.00	3.00	NT	SM,AU,SP	OTM,TAG	BHS-1340	3.00
<b>TOTAL CREDIT &amp; CONTACT HOURS</b>		<b>17.00</b>	<b>40.00</b>					
<b>Total Semester Credit Hours Required for Completion of Degree</b>								<b>70.00</b>
<i>Non-Technical Required Semester Credit Hours</i>								32.00
<i>Technical Required Semester Credit Hours</i>								38.00

<b>Non-Technical Elective - Social and Behavioral Sciences</b>								
<b>Total of 3.00 Semester Credit Hours Required to Complete this Degree</b>								
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

<b>Technical Electives</b>								
ENGR-105	Introduction to the Oil and Gas Industry	3.00	3.00	T	AU	-----	None	-----