

# ACADEMIC PATHWAYS



Sinclair College – Associate of Science in Engineering and Engineering Technology University Transfer

To

University of Dayton - Bachelor of Science in Engineering Technology  
Major - Electronic and Computer Engineering Technology

This Academic Pathway is to be used only by students who are formally admitted to the University of Dayton and enrolled in the UD-Sinclair Academy Program. Being a prospective transfer student from Sinclair College is not the same as a UD-Sinclair Academy student. Students interested in taking advantage of this Academic Pathway must apply to the Program through the UD-Sinclair Academy website at <https://www.udayton.edu/academy/index.php>.

SUBJECT CODE	COURSE NUMBER	SINCLAIR CREDIT HOUR	COURSE TITLE	UD COURSE #	UD CREDIT HOUR
CHE	1211	5	General Chemistry I	CHM 1GF+ 1GFL+1XX*	3+1+1
COM	2206 or 2211**	3	Interpersonal Communication Effective Public Speaking	CMM 320 or CMM 351	3
EGR	1101	4	Introductory Mathematics for Engineering Applications	SET 150+1XX	2+2
ENG	1101	3	English Composition I	ENG 100	3
HIS	1112	3	Western Civilization II	HST 103	3
MAT	2270	5	Calculus & Analytic Geometry I	MTH 168+1XX	4+1
MAT	2280	5	Calculus & Analytic Geometry II	MTH 169+1XX	4+1
MET	1301	4	SolidWorks Basics	MCT 110L+ 1XX	2+2
PHI	2205 or 2206	3	Introduction to Philosophy Introduction to Ethics	PHL 103 or PHL 1XC	3
PHY	1141	4	College Physics I	PHY 201+201L	4
PHY	1142	4	College Physics II	PHY 202+202L	4
ECO ECO PLS PSY SOC	2180, 2160, 1120, 1100, or 1101***	6	<b>Select Two Ohio Transfer Module Social Science Courses from Two Different Disciplines:</b> Principles of Microeconomics Principles of Macroeconomics American Federal Government General Psychology Introduction to Sociology	ECO 203, ECO 204, POL 201, PSY 101, or SOC 101	6
EET	1131	5	<b>Major Elective - Complete 12-15 Sinclair Hours from:</b> Digital Electronics	ECT 224+224L	3+1+1

# ACADEMIC PATHWAYS



**Sinclair College – Associate of Science in Engineering and Engineering Technology University Transfer**  
**To**  
**University of Dayton - Bachelor of Science in Engineering Technology**  
**Major - Electronic and Computer Engineering Technology**

EET	1150+1155	4+3	DC Circuits and AC Circuits	+1XX ECT 110+110L	3+1+3
EET	2201	5	Electronic Devices and Circuits	+1XX ECT 206+206L	3+1+1
EET	2259	4	Programming for Electronics Technology	+2XX ECT 400 (Tech Elective) +2XX	3+1
EET	2261	4	Microprocessor	ECT 400 (Tech Elective) +2XX	3+1
EGR	2261	4	Engineering Problem Solving Using C & C++	ECT 361+2XX	3+1
MAT	1450	4	Introductory Statistics	MTH 207+1XX	3+1
MET	2201	3	Statics	MCT 215	3
<b>TOTAL</b>		<b>61-64</b>			<b>61-64</b>

- **\*CHE 1211 will substitute for CHM 123+123L requirement for Electronic and Computer Engineering Technology Program.**
- **\*\*COM 2206 or 2211 will meet the communication requirement at the University of Dayton with the completion of the Associate Degree. This exception applies to only UD-Sinclair Academy students. Consult with your UD advisor if you are eligible for this exception.**
- **\*\*\*ECO 2160, ECO 2180, PLS 1120, PSY 1100, or SOC 1101 will meet the social science integrated course requirement at the University of Dayton with the completion of the 30 credit hours.**
- **ECT 110 and 110L credit will be granted only after both EET 1150 and 1155 courses are completed at Sinclair.**
- **PHL 1XC at UD will substitute for PHL 103 requirement. This exception applies to only UD-Sinclair Academy students. Consult with your UD advisor if you are eligible for this exception.**
- **132 hours minimum are required for a BS degree at UD. Required GPA at the time of transfer to UD is 3.0.**

**Students must complete the following additional coursework at Sinclair in order to graduate in a timely manner from UD:**

SUBJECT CODE	COURSE NUMBER	SINCLAIR CREDIT HOUR	COURSE TITLE	UD COURSE #	UD CREDIT HOUR
			Major Elective – Courses Beyond 12-15 Required Sinclair Hours from:		

# ACADEMIC PATHWAYS



**Sinclair College – Associate of Science in Engineering and Engineering Technology University  
Transfer  
To  
University of Dayton - Bachelor of Science in Engineering Technology  
Major - Electronic and Computer Engineering Technology**

SUBJECT CODE	COURSE NUMBER	SINCLAIR CREDIT HOUR	COURSE TITLE	UD COURSE #	UD CREDIT HOUR
EET	1131	5	Digital Electronics	ECT 224+224L +1XX	3+1+1
EET	1150+1155	4+3	DC Circuits and AC Circuits	ECT 110+110L +1XX	3+1+3
EET	2201	5	Electronic Devices and Circuits	ECT 206+206L +2XX	3+1+1
EET	2259	4	Programming for Electronics Technology	ECT 400 (Tech Elective) +2XX	3+1
EET	2261	4	Microprocessor	ECT 400 (Tech Elective) +2XX	3+1
EGR	2261	4	Engineering Problem Solving Using C & C++	ECT 361+2XX	3+1
MAT	1450	4	Introductory Statistics	MTH 207+1XX	3+1
MET	2201	3	Statics	MCT 215	3
<b>TOTAL</b>		<b>21-24</b>			<b>21-24</b>

- ECT 110 and 110L credit will be granted only after both EET 1150 and 1155 courses are completed at Sinclair.

# ACADEMIC PATHWAYS



Sinclair College – Associate of Science in Engineering and Engineering Technology University  
 Transfer  
 To  
 University of Dayton - Bachelor of Science in Engineering Technology  
 Major - Electronic and Computer Engineering Technology

<b>UDSA Electronic and Computer Engineering Technology Pathway – 4 Semester Plan for UD</b>			
<b>Semester 5 Fall</b>	<b>CR</b>		<b>Semester 6 Spring</b>
			<b>CR</b>
ECT 120	3		ECT 357
ECT 306	3		ECT 362
ECT 306L	1		ECT 465
ECT 358	3		MFG 431
ECT 358L	1		REL 103
EGR 103	2		Approved CAP Course
SET 153L	1		
SET 250	2		
SET 300	0		
<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>
			<b>18</b>
<b>Semester 7 Fall</b>	<b>CR</b>		<b>Semester 8 Spring</b>
			<b>CR</b>
ECT 408	2		ECT 452
ECT 466	3		ECT 490 (Capstone)
ENG 200	3		Tech Elective
IET 317	3		Tech Elective
IET 323	3		Approved CAP Course
SET 400	1		Approved CAP Course
Approved CAP Course	3		
<b>TOTAL</b>	<b>18</b>		<b>TOTAL</b>
			<b>18</b>

- Review your DegreeWorks audit with your UD academic advisor to fully understand the CAP course requirements, remaining degree requirements, and specific course options.