

# ACADEMIC PATHWAYS



## Sinclair College - Associate of Arts Degree To

## University of Dayton - Bachelor of Science in Education Major - Adolescence to Young Adult Education - Integrated Mathematics

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>.

**STUDENTS INTERESTED IN THE ASSOCIATE OF ARTS DEGREE AS A PATHWAY TO THE UNIVERSITY OF DAYTON'S INTEGRATED MATHEMATICS PROGRAM MUST FIRST MEET WITH DR. WIEBKE DIESTELKAMP IN THE DEPARTMENT OF MATHEMATICS AT THE UNIVERSITY OF DAYTON. SHE CAN BE REACHED AT 937-229-2511.**

SUBJECT CODE	COURSE NUMBER	SINCLAIR CREDIT HOUR	COURSE TITLE	UD COURSE #	UD CREDIT HOUR
ART ART	1110, 2231,	3	Art Appreciation Art History - Renaissance through Contemporary Periods	CAP Arts Elective (See UD Advisor)	3
MUS MUS THE	1121, 1123, or 1101		Music Appreciation World Music Theatre Appreciation		
CIS	1111	3	Introduction to Problem Solving and Comp Programming	CPS 149	3
COM	2206 or 2211	3	Interpersonal Communication Effective Public Speaking	CMM 320 or CMM 351	3
ENG	1101	3	English Composition I	ENG 100	3
ENG	1201	3	English Composition II	ENG 200	3
HIS	1101 or 1102	3	United States History I United States History II	HST 251 or HST 252	3
HIS	1112	3	Western Civilization II	HST 103	3
			<b>(See Advisor if prerequisite math courses are required)</b>		
MAT	2270	5	Cal & Analytic Geo I	MTH 168	4
MAT	2280	5	Cal & Analytic Geo II	MTH 169	4
MAT	2290	5	Cal & Analytic Geometry III	MTH 218	4
MAT	2310	4	Elem Differential Equations	MTH 219	3
PHI	2205 or 2206	3	Introduction to Philosophy Introduction to Ethics	PHL 103 or PHL 1XC	3
PSY	1100	3	General Psychology	PSY 101	3
REL	1111 or 1112	3	Eastern Religions Western Religions	REL 1XC or REL 103	3

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SCC	1101	1	First Year Experience	Elective Credit (See Sinclair Advisor)	1
		8	Select Two OTM Natural Sciences Courses (from Two Different Disciplines)	CAP Natural Science (See UD Advisor)	8
		6	Two Ohio Transfer Module Social & Behavioral Sciences Courses	Elective Credit (See Sinclair and UD Advisors)	6
<b>TOTAL</b>		<b>64</b>			<b>60</b>

- Students must meet with the advisor before acceptance into this program.
- 124 hours minimum are required for BSE. Required GPA at the time of the Associate Degree is 3.0.
- 54 semester hours must be taken at a 4-year college or university, and the last 30 semester hours must be taken at the University of Dayton.
- HIS 1111 will be transferred to the University of Dayton as HST 1XX effective Fall 2018.
- CPS 149 (UD equivalent) will meet computer requirement for Integrated Mathematics.
- 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.
- PSY 1100 will meet the social science integrated course requirement at the University of Dayton with the completion of the Associate Degree.
- 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.
- REL 1XC at UD will substitute for REL 103 requirement. This exception applies to only UD-Sinclair Academy students. Consult with your UD advisor if you are eligible for this exception.
- Hours may change based on changes in licensure and/or program requirements.
- Students are strongly recommended to begin their University of Dayton programs fall term.
- It is recommended that students take at least 15 hours per semester at Sinclair.
- Conflicts of times of courses may result in course changes in the last four terms at the University of Dayton.

**THE FOLLOWING ADDITIONAL COURSEWORK WILL BE REQUIRED TO COMPLETE THE BSE WITH INTEGRATED MATHEMATICS PROGRAM AT THE UNIVERSITY OF DAYTON.**

**Please note: An additional Math course may be required to be taken at the University of Dayton or other four year college/university. (MTH 370 or MTH 395 are offered in specific years. MTH 395 is offered only in the fall semester of even-numbered years.)**

## **FALL SEMESTER THIRD YEAR**

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SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOUR
EDT	110 & 110L	The Profession of Teaching & Lab	3
EDT	222& 222L	Mid. Childhood to Young Adult Dev. In a Diverse Society & Lab	3
EDT	340 & 340L	<b>(CAP Diversity &amp; Social Justice &amp; Integrative)</b> Educating Diverse Student Populations & Lab	3
MTH	308	Foundations & Discrete Mathematics	3
MTH	411	Probability & Statistics I	3
<b>TOTAL</b>			<b>15</b>

## SPRING SEMESTER THIRD YEAR

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOUR
EDT	338 & 338L	Teaching and Learning & Lab	3
MTH	310	Linear Algebra & Matrices	3
MTH	361	Introduction to Abstract Algebra	3
MTH	370	Introduction to Higher Geometry (Or Spring Fourth Year)	3
		Faith Traditions/Advanced PHL/REL	3
<b>TOTAL</b>			<b>15</b>

## FALL SEMESTER FOURTH YEAR (Even-numbered years)

Please note that a math course may need to be taken fall term after graduation to complete licensure requirements.

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOUR
EDT	432 & 432L	Integrated Mathematics Methods for Adolescence to Young Adult & Lab	4
EDT	459	Critical Reading in Content Area	3
EDT	481	Assessment	3
MTH	395	Development of Mathematical Ideas	3
MTH	330	Intermediate Analysis	3
<b>TOTAL</b>			<b>16</b>

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## SPRING SEMESTER FOURTH YEAR

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOUR
EDT	305	(CAP Advanced PHL & Practical Ethical Action) Philosophy & History of American Education	3
EDT	436	AYA Capstone Seminar (CAP Capstone)	3
EDT	475	Student Teaching	12
<b>TOTAL</b>			<b>18</b>

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