

ACADEMIC PATHWAYS



**Sinclair Community College-Associate of Arts Degree
To
University of Dayton - Bachelor of Science in Education
Major-Adolescence to Young Adult and Concentration-Integrated Mathematics**

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOUR	UD COURSE #
SCC	1101	First Year Experience	1	EDT 109
COM	2211	Effective Public Speaking	3	CMM 100
ENG	1101	English Composition I	3	ENG 100
ENG	1201	English Composition II	3	ENG 200
REL	1111	<u>Multicultural Elective</u> Eastern Religions or	3	REL 103
REL	1112	Western Religions		
HIS	1111	<u>OTM Arts and Humanities Elective</u> Western Civilization I or	3	HST 103
HIS	1112	Western Civilization II and		
PHI	2205	Introduction to Philosophy or	3	PHL 103
PHI	2206	Introduction to Ethics		
MUS	1123	World Music	3	MUS 303
		<u>OTM Mathematics</u> Choose two sciences and the labs to total 7 credit hours. Select Two different disciplines to meet UD requirements	7	
PSY	1100	<u>OMT Social and Behavioral Sciences</u> General Psychology	3	PSY 101
		Selective 2 Electives other than PSY	3	Elective
		<u>OTM Natural Sciences 10 Hrs. Required</u> Select courses to equal 10 hours: must be from at least two different disciplines and one lab to meet UD requirements.	10	7 credit hours
MTH	2270	Calculus & Analytic Geometry I	5	MTH 168 (4 credit hrs)
MTH	2280	Calculus & Analytic Geometry II	5	MTH 169 (4 credit hrs)
MTH	2290	Calculus & Analytic Geometry III	5	MTH 218 (4 credit hrs)
MTH	2320	Linear Algebra	3	MTH 310

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SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOUR	UD COURSE #
CIS	1111	<u>Elective 10 Hours</u> Intro to Problem Solving and Computer Programming	3	CPS 1XT (4 credit hrs)
		(Select additional courses for a minimum of 9 hours that will apply to requirements for UD degree. Example: HIS 2217; ART 1101, 1102; MUS 1123. See UD Advisor	6	
		Elective	1	
EDU	2297	The Profession of Teaching & Lab	3	EDT 110

In addition to the above requirements, the following course can be taken at Sinclair to meet requirements for UD degree:

MAT	2330	Differential Equations & Linear Algebra	5	MTH 219 (3 credit hrs)
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The following additional coursework will be required to complete the BSE at the University of Dayton:

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOUR
EDT	222 & L	Middle Childhood to Young Adult Dev in a Diverse Society	3
EDT	338 & L	Teaching and Learning	3
EDT	340 & L	(CAP Advanced Philosophy and CAP Practical Ethical Action)	3
EDT	434 & L	Methods Course and Lab	4
EDT	436	(CAP Capstone) AYA Capstone Seminar	3
EDT	459	Critical Reading in Content Area	3
EDT	475	Student Teaching	12
EDT	481	Assessment	3
MTH	330	Intermediate Analysis	3
MTH	361	Introduction to Abstract Algebra	3
MTH	370	Introduction to Higher Geometry	3
MTH	395	Development of Mathematical Ideas	3
MTH	411	Probability Statistics	3
		(CAP Inquiry and CAP Advanced Religious Studies if not taken at SCC)	6

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. 124 hours minimum are required for BSE. Required GPA at the time of the Associates Degree is 3.0. Hours may change based on licensure program requirements.