

# ACADEMIC PATHWAYS



**Sinclair College - Associate of Science Degree  
To  
University of Dayton – Bachelor of Science in Education  
Major - Exercise Physiology**

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS	UD COURSE #
BIO	1171	Principles of Biology I	5	BIO 151/L
BIO	1272	Principles of Biology II	5	BIO 152/L
CHE	1211*	General Chemistry I	5	CHM 1GF/L
CHE	1221*	General Chemistry II	5	CHM 1GS/L
COM	2206 or 2211**	Interpersonal Communication Effective Public Speaking	3	CMM 320 or CMM 351
ENG	1101	English Composition I	3	ENG 100
ENG	1201	English Composition II	3	ENG 200
HIS	1112	Western Civilization II	3	HST 103
HIS	2217	Survey of Eastern Asia	3	HST 260
MAT	1450	Introductory Statistics	4	MTH 207
PHI	2205 or 2206	Introduction to Philosophy Introduction to Ethics	3	PHL 103
PSY	1100	General Psychology	3	PSY 101
PSY	2200	Lifespan Human Development	3	PSY 251
REL	1111 or 1112	Eastern Religions Western Religions	3	REL 103
SCC	1101	First Year Experience	1	HSS 101
SOC	1101***	Introduction to Sociology	3	SOC 101
<b>TOTAL</b>			<b>55</b>	
Students may select from the following courses at Sinclair to fulfill the remaining semester hours for the Associate Degree.				
MAT	2270	Calculus & Analytic Geometry I	5	MTH 168
PHY	1141	College Physics I	4	PHY 201+201L
PHY	1142	College Physics II	4	PHY 202+202L
		Approved Arts Course****	3	CAP Arts Elective
<b>TOTAL</b>			<b>16</b>	

- Students must meet with the advisor before acceptance into this program.
- 131 hours minimum are required for BSE. Required GPA at the time of the Associate Degree is 3.0. Hours may change based on licensure program requirements.
- Students are strongly recommended to begin their University of Dayton programs fall term.
- The program includes advisor approved electives.
- \*Completion of both CHE 1211 and CHE 1221 are required for transfer credit to fulfill Chemistry requirements.

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- **\*\*COM 2206 or 2211 will meet the communication requirement at the University of Dayton with the completion of the Associate Degree.**
- **\*\*\*SOC 1101 will meet the social science integrated course requirement at the University of Dayton with the completion of the Associate Degree.**
- **\*\*\*\*Consult with University of Dayton academic advisor about a possible list of courses that could meet UD's CAP (Common Academic Program) Arts requirement.**

**THE FOLLOWING COURSEWORK IS REQUIRED TO BE COMPLETED AT THE UNIVERSITY OF DAYTON.**

**(The sequence will change to accommodate courses not taken at Sinclair.)**

## FALL SEMESTER THIRD YEAR

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOUR
BIO	312	General Genetics	3
CHM	313	Organic Chemistry	3
CHM	313L	Organic Chemistry Lab	1
HSS	114	Intro to Health Professions	2
HSS	117 or 121	Personal & Community Health Fitness for Life	2-3
HSS	201	Medical Terminology	2
HSS	295	Nutrition and Health	3
<b>TOTAL</b>			<b>16-17</b>

## SPRING SEMESTER THIRD YEAR

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOUR
BIO	411	General Microbiology	3
CHM	314	Organic Chemistry	3
CHM	314L	Organic Chemistry Lab	1
HSS	305	Human Anatomy	3
HSS	305L	Human Anatomy Lab	1
PSY	363,	Abnormal Psychology	3
PSY	366,	Health Psychology	
PSY	368,	Community Psychology	
PSY	422, or	Biopsychology	
PSY	435	Human Factors	
		CAP Crossing Boundaries: Practical Ethical Action and Advanced Philosophical Studies	3
<b>TOTAL</b>			<b>17</b>

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## FALL SEMESTER FOURTH YEAR

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOUR
CHM	420	Biochemistry	3
HSS	307	Human Physiology	3
HSS	307L	Human Physiology Lab	1
		CAP Diversity & Social Justice	3
		Advisor Approved Electives	7
<b>TOTAL</b>			<b>17</b>

## SPRING SEMESTER FOURTH YEAR

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOUR
HSS	408	Physiology of Exercise	3
HSS	408L	Physiology of Exercise Lab	1
HSS	428	Capstone: Research in Health Sciences	3
		CAP Advanced Philosophical or Religious Studies	3
		Advisor Approved Electives	3
<b>TOTAL</b>			<b>13</b>

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