

# 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	5.0	BIO 151/L
BIO	1272	Principles of Biology II	5.0	BIO 152/L
CHE	1211**	General Chemistry I w/ Lab	5.0	CHM 1GF/L
CHE	1221**	General Chemistry II w/ Lab	5.0	CHM 1GS/L
COM	2211*	Effective Public Speaking	3.0	CMM 351
ENG	1101	English Composition I	3.0	ENG 100
ENG	1201	English Composition II	3.0	ENG 200
HIS	1112	Western Civilization II	3.0	HST 103
HIS	2217	Survey of Eastern Asia	3.0	HST 260
MAT	1450	Introductory Statistics	4.0	MTH 207
PHI	2205	Introduction to Philosophy	3.0	PHL 103
PSY	1100	General Psychology	3.0	PSY 101
PSY	2200	Lifespan Human Develop	3.0	PSY 251
REL	1111 or	Eastern Religions or	3.0	REL 103
REL	1112	Western Religions		
SCC	1101	First Year Experience	1.0	HSS 101
SOC	1101	Introduction to Sociology	3.0	SOC 101
		Total Hours	<b>55</b>	
Students may select from the following courses at Sinclair to fulfill the remaining hours for the Associate Degree.				
MAT	2270	Calculus & Analytic Geometry I	5.0	MTH 168
PHY	1141	College Physics I	4.0	PHY 201/L
PHY	1142	College Physics II	4.0	PHY 202/L
		Approved Arts Course	3.0	CAP Arts Elective
		Total Hours	<b>16</b>	
<b>TOTAL</b>			<b>71</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 Associates 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.
- \*COM 2211 will meet the communication requirement at the University of Dayton with the completion of the Associates Degree.
- \*\*Completion of both CHE 1211 and CHE 1221 are required for transfer credit to fulfill Chemistry requirements.
- HIS 2217 is recommended to be taken at Sinclair.

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

## Fall Term Junior Year

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

## Spring Term Junior 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 or 366 or 368 or 422 or 435	Abnormal Psychology or Health Psychology or Community Psychology or Biopsychology or Human Factors	3
		CAP Practical Ethical Action and Advanced Philosophical Studies	3
<b>TOTAL</b>			<b>17</b>

## Fall Term Senior 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>

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## Spring Term Senior 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>