

# WRIGHT PATH PARTNERSHIP ARTICULATION AGREEMENT

Earn your associate degree from Sinclair College and then transfer seamlessly to Wright State University to earn your bachelor's degree.

**Sinclair College**

**Wright State University**

to

**Physics**  
**Associate of Science**

**Physics**  
**Bachelor of Science**



Students interested in Wright Path program benefits will apply to the program through the Wright State website at [wright.edu/wrightpath/sinclair](http://wright.edu/wrightpath/sinclair).

SUBJECT CODE	COURSE NUMBER	SINCLAIR CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
CHE	1211	5	General Chemistry I	CHM 1210 + 1210L <small>Related Course Requirement</small>	3+2
CHE	1221	5	General Chemistry II	CHM 1220 + 1220L <small>Related Course Requirement</small>	3+2
COM	2211	3	Effective Public Speaking	COM 1010 <small>Additional Core Course</small>	3
ENG	1101	3	English Composition I	ENG 1100 <small>Element 1: Communication</small>	3
HIS	1111 or 1112	3	Western Civilization I Western Civilization II <small>Arts &amp; Humanities Ohio Transfer 36 Elective</small>	HST 1100 or HST 1200 <small>Element 3: Global Traditions</small>	3
MAT	2270	5	Calculus and Analytic Geometry I	MTH 2300 + Elective <small>Element 2: Mathematics + General Elective Credit</small>	4+1
MAT	2280	5	Calculus and Analytic Geometry II	MTH 2310 + Elective <small>Additional Core Course + General Elective Credit</small>	4+1
MAT	2290	5	Calculus and Analytic Geometry III	MTH 2320 + Elective <small>Related Course Requirement + General Elective Credit</small>	4+1
MAT	2320 or 2330	3-5	Linear Algebra Differential Equations & Linear Algebra	MTH 2530 or MTH 2350 + General Elective Credit <small>Related Course Requirement</small>	3-5
PHY	2201	5	General Physics I	PHY 2400 + 2400L <small>Element 6: Natural Science</small>	4+1
PHY	2202	5	General Physics II	PHY 2410 + 2410L <small>Element 6: Natural Science</small>	4+1
PHY	2203	3	Introduction to Modern Physics	PHY 2420 <small>Core Requirement</small>	3
PHY	2780	3	Scientific Thought & Method	PHY 2XXX <small>General Elective Credit</small>	3

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		3	<b>One Ohio Transfer 36 Arts &amp; Humanities Course That Is Not History</b>	Element 4: Arts/Humanities	3
		6	<b>Two Ohio Transfer 36 Social &amp; Behavioral Sciences Courses from Two Different Subjects</b>	Element 5: Social Science	6
<b>TOTAL</b>		<b>62-64</b>			<b>62-64</b>

- Choose one Ohio Transfer 36 Arts & Humanities course that is not history from (Consult with your Sinclair and Wright State advisors for additional course options):

SINCLAIR COURSE	SINCLAIR CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
ART 1110	3	Art Appreciation: Introduction to Art & Art Media	ART 2140	3
ART 2230	3	Art History: Ancient through Medieval Periods	ART 2110	3
ART 2231	3	Art History: Renaissance through Contemporary Periods	ART 2120	3
ART 2235	3	History of Photography	ART 2XXX	3
ART 2236	3	History of Women Artists	ART 2XXX	3
ART 2237	3	History of American Art	ART 2XXX	3
ART 2238	3	History of African Art	RST 2XXX	3
ART 2239	3	History of Asian Art	ART 2XXX	3
DAN 1155	3	Dance History	DAN 2510 + 2520	3
DAN 1157	3	Dance Appreciation	DAN 1XXX	3
HUM 1125	3	Introduction to the Humanities	HUM 1XXX	3
HUM 1130	3	Humanity & the Challenge of Technology	CS 1XXX	3
HUM 1131	3	The Search for Utopia	PHL 1XXX	3
HUM 1135	3	Environmental Ethics	EES 2600 <small>Element 3: Global Traditions</small>	3
HUM 1140	3	Appalachian Folkways	HST 1XXX	3
HUM 1141	3	Appalachian History & Culture	UNK 1XXX	3
LIT 2201	3	British Literature I	ENG 3210 or ENG 3220	3
LIT 2202	3	British Literature II	ENG 3230	3
LIT 2211	3	American Literature I	ENG 3310	3

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LIT 2212	3	American Literature II	ENG 3320	3
LIT 2217	3	Images of Women in Literature	ENG 2XXX	3
LIT 2220	3	Introduction to Literature	ENG 2XXX	3
LIT 2230	3	Great Books of the Western World	ENG 2040	3
LIT 2234	3	Literature of Africa, Asia & Latin America	ENG 2310 <small>Element 3: Global Traditions</small>	3
LIT 2236	3	African-American Literature	ENG 2050	3
LIT 2400	3	Children's & Adolescent Literature	ENG 2XXX	3
MUS 1121	3	Music Appreciation	MUS 2140	3
MUS 1123	3	World Music	MUS 2420 <small>Element 3: Global Traditions</small>	3
MUS 2117	3	Surveys of Musical Styles I	MUS 1210	3
MUS 2118	3	Survey of Musical Styles II	MUS 2XXX	3
PHI 2204	3	Great Books: Philosophy	PHL 2040	3
PHI 2205	3	Introduction to Philosophy	PHL 2050	3
PHI 2206	3	Introduction to Ethics	PHL 3110	3
REL 1111	3	Eastern Religions	REL 2320 <small>Element 3: Global Traditions</small>	3
REL 1112	3	Western Religions	REL 2070	3
REL 1135	3	American Religious Movements	REL 1XXX	3
REL 2204	3	Great Books: The Bible & Western Culture	REL 2040	3
REL 2255	3	People & Religion	REL 2XXX	3
THE 1101	3	Theatre Appreciation	TH 2140	3
THE 2201	3	History of Theatre I	TH 2XXX	3
THE 2202	3	History of Theatre II	TH 2XXX	3

- Choose two Ohio Transfer 36 Social and Behavioral Sciences courses from two different subjects (Consult with your Sinclair and Wright State advisors for additional course options):

SINCLAIR COURSE	SINCLAIR CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
AFR 1100	3	African-American Studies	AFS 2000 <small>Element 3: Global Traditions</small>	3
ECO 1100	3	Introduction to Economics	EC 2000	3
ECO 2160	3	Principles of Macroeconomics	EC 2050	3
ECO 2180	3	Principles of Microeconomics	EC 2040	3

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SINCLAIR COURSE	SINCLAIR CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
GEO 1101	3	Global Forces, Local Diversity	GEO 2200	3
GEO 1102	4	Earth's Physical Environment	GEO 2100 + Elective	3+1
GEO 1201	3	World Regional Geography: People, Places & Globalization	GEO 3300	3
HIS 2219	3	Survey of the Middle East	RST 2910 <small>Element 3: Global Traditions</small>	3
PLS 1120	3	American Federal Government	PLS 2120	3
PLS 1232	3	State & Local Government	PLS 3220	3
PLS 2200	3	Political Life, Systems & Issues	PLS 2000	3
PLS 2220	3	International Relations	PLS 2220	3
PSY 1100	3	General Psychology	PSY 1010	3
PSY 1160	3	Black Psychology	PSY 1XXX	3
SOC 1101	3	Introduction to Sociology	SOC 2000	3
SOC 1117	3	Popular Culture	SOC 1XXX	3
SOC 1145	3	Introduction to Cultural Anthropology	ATH 2150 <small>Element 3: Global Traditions</small>	3

- All students with declared physics major are automatically admitted as Pre-Physics students.
- In order to be admitted fully as a Physics major at Wright State, students will need to achieve a cumulative GPA of a 2.0.
- Students must earn a cumulative GPA of a 2.0 in all physics courses at Sinclair.
- Upon completion of the outlined associate degree in this transfer guide, students will receive a waiver for PHY 1000 and 1010 requirements.
- 120 hours minimum are required for a BS degree at Wright State.

FIRST YEAR							
Sinclair College				Wright State University			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER							
CHE	1211	General Chemistry I	5	CHM	1210	General Chemistry I <small>Related Course Requirement</small>	3
CHE	1251	General Chemistry I Lab	0	CHM	1210L	General Chemistry I Lab <small>Related Course Requirement</small>	2
ENG	1101	English Composition I	3	ENG	1100	Academic Writing and Reading <small>Element 1: Communication</small>	3

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Sinclair College				Wright State University			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
HIS	1111 or 1112	Western Civilization I Western Civilization II <small>Arts &amp; Humanities Ohio Transfer 36 Elective</small>	3	HST	1100 or 1200	Western Civilizations to 1500 The West and the World Since 1500 <small>Element 3: Global Traditions</small>	3
MAT	2270	Calculus and Analytic Geometry I	5	MTH	2300	Calculus I + Elective <small>Element 2: Mathematics + General Elective Credit</small>	4+1
SPRING SEMESTER							
CHE	1221	General Chemistry II	5	CHM	1220	General Chemistry II <small>Related Course Requirement</small>	3
CHE	1261	General Chemistry II Lab	0	CHM	1220L	General Chemistry II Lab <small>Related Course Requirement</small>	2
COM	2211	Elective Public Speaking	3	COM	1010	Essentials of Public Address <small>Additional Core Course</small>	3
MAT	2280	Calculus and Analytic Geometry II	5	MTH	2310	Calculus II + Elective <small>Additional Core Course + General Elective Credit</small>	4+1
		Ohio Transfer 36 Arts & Humanities Course	3			Element 4: Arts/Humanities	3
Total Hours:			32	Total Hours:			32

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SECOND YEAR							
Sinclair College				Wright State University			
SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS	SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
FALL SEMESTER							
MAT	2290	Calculus and Analytic Geometry III	5	MTH	2320	Calculus III + Elective <small>Related Course Requirement + General Elective Credit</small>	4+1
PHY	2201	General Physics I	5	PHY	2400	General Physics I <small>Element 6: Natural Science</small>	4
PHY	2207	General Physics I Lab	0	PHY	2400L	General Physics I Lab <small>Element 6: Natural Science</small>	1
PHY	2203	Introduction to Modern Physics	3	PHY	2420	Introduction to Modern Physics <small>Core Requirement</small>	3
		Ohio Transfer 36 Social & Behavioral Sciences Course	3			Element 5: Social Science	3
SPRING SEMESTER							
MAT	2320 or 2330	Linear Algebra Differential Equations & Linear Algebra	3-5	MTH	2530 or 2350	Elementary Linear Algebra Differential Equations with Matrix Algebra + General Elective Credit <small>Related Course Requirement</small>	3-5
PHY	2202	General Physics II	5	PHY	2410	General Physics II <small>Element 6: Natural Science</small>	4
PHY	2208	General Physics II Lab	0	PHY	2410L	General Physics II Lab <small>Element 6: Natural Science</small>	1
PHY	2780	Scientific Thought & Method	3	PHY	2XXX	Non-Equivalent Transfer Course <small>General Elective Credit</small>	3
		Ohio Transfer 36 Social & Behavioral Sciences Course	3			Element 5: Social Science	3
Total Hours:			30-32	Total Hours:			30-32

**Total Credit Hours for Associate Degree: 62-64**

**Students must complete the following coursework at Sinclair prior to transferring to Wright State in order to graduate from Wright State in a timely manner:**

SUBJECT CODE	COURSE NUMBER	SINCLAIR CREDIT HOUR	COURSE TITLE	WRIGHT STATE COURSE #	WRIGHT STATE CREDIT HOUR
MAT	2320 or 2330	3-5	Linear Algebra Differential Equations & Linear Algebra	MTH 2530 or MTH 2350 + General Elective Credit	3-5

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				Related Course Requirement	
<b>TOTAL</b>		<b>3-5</b>			<b>3-5</b>

## THIRD YEAR

### Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
<b>FALL SEMESTER</b>			
ENG	2100	Research Writing & Argumentation <small>Element 1: Communication</small>	3
MTH	3320	Complex Variables	3
PHY	3150	Physics Instrumentation	3
PHY	3500	Advanced Physics Laboratory I	2
PHY	4500	Electricity and Magnetism I	3
<b>SPRING SEMESTER</b>			
MTH	3330	Partial Differential Equations	3
PHY	3220	Applied Optics	3
PHY	3510	Advanced Physics Laboratory II	2
PHY	3710	Analytical Mechanics	3
PHY	4510	Electricity and Magnetism II	3
<b>Total Hours:</b>			<b>28</b>

## FOURTH YEAR

### Wright State University

SUBJECT CODE	COURSE NUMBER	COURSE TITLE	CREDIT HOURS
<b>FALL SEMESTER</b>			
PHY	4600	Introduction to Quantum Mechanics I	3
PHY	4940	Senior Project	3
		General Elective Credit	3
		General Elective Credit	3
		General Elective Credit	1
<b>SPRING SEMESTER</b>			
PHY	4610	Introduction to Quantum Mechanics II	3
PHY	4830	Statistical Mechanics	3
PHY	4940	Senior Project	3
		General Elective Credit	3
<b>Total Hours:</b>			<b>25</b>

- The above is a sample curriculum guide. Review your Degree Audit with your Wright State academic advisor and a Physics Department faculty member to fully understand the remaining

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degree requirements, specific course options, and the timing of when some courses are to be completed based on course availability.

**Total Credit Hours for Bachelor's Degree: 120**

## 1. ADMISSIONS AND DEADLINES

### *Join the Wright Path Program*

Students interested in applying to the Wright Path must submit a request for membership at [wright.edu/wrightpath/sinclair](http://wright.edu/wrightpath/sinclair).

High school students must have completed their junior year before applying to the Wright Path, and current Sinclair College students must have a minimum 2.0 GPA.

### *Transfer to Wright State University*

Students must earn a minimum 2.0 GPA from Sinclair College in order to transfer to Wright State.

Wright State processes applications as they are received. To help you make a smooth and timely transition, we recommend you submit your application by the following dates:

Fall Semester:	<b>April 1</b>
Spring Semester:	<b>October 15</b>
Summer Semester:	<b>February 1</b>

Students must apply for undergraduate admission one semester prior to completing their studies at Sinclair College.

In order to be admitted fully as a physics major at Wright State, students will need to achieve a cumulative GPA of a 2.0.

Students must earn a cumulative GPA of a 2.0 in all physics courses at Sinclair.

Upon completion of the outlined associate degree in this transfer guide, students will receive a waiver for PHY 1000 and 1010 requirements.

## 2. TUITION AND SCHOLARSHIPS



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*Students interested in scholarship opportunities at Wright State should contact:*

Transfer Center  
Student Union 138  
3640 Colonel Glenn Hwy.  
Dayton, OH 45435  
937-775-5700  
transfer@wright.edu

## 3. CONTACT INFORMATION

**Sinclair College**  
**Academic Advising Center**  
**Building 10-301**  
**444 W. Third St.**  
**937-512-3700**

**Wright State University**  
**Transfer Center**  
**138 Student Union**  
**3640 Colonel Glenn Hwy.**  
**937-775-5700**

This agreement will expire two years from date of signature.



01/16/2024

Anthony M. Ponder, Ed.D.  
Senior Vice President and Provost  
Sinclair College

Date



1/17/2024

Amy Thompson, Ph.D.  
Provost and Senior Vice President for Academic Affairs  
Wright State University

Date