



Transfer Credit Ohio

Ohio Guaranteed Transfer Pathways

STARK STATE COLLEGE

Physics Associate of Science

EFFECTIVE BEGINNING ACADEMIC YEAR 2025-26

LAST REVISED: January 13, 2026

GENERAL EDUCATION REQUIREMENTS/OHIO TRANSFER 36		COURSE NUMBER	CREDIT HOURS
ENGLISH COMPOSITION AND ORAL COMMUNICATION			3
Course 1:	Any Ohio Transfer 36 approved First Writing (TME001) course	ENG124	3
MATHEMATICS, STATISTICS, AND LOGIC			5
Course 1:	Calculus I (TMM005) ¹	MTH223	5
ARTS AND HUMANITIES			6
+ Course 1:	Any Ohio Transfer 36 approved Arts and Humanities course	AH Elective (see last page for list)	3
+ Course 2:	Any Ohio Transfer 36 approved Arts and Humanities course	AH Elective (see last page for list)	3
SOCIAL AND BEHAVIORAL SCIENCES			6
+ Course 1:	Any Ohio Transfer 36 approved Social and Behavioral Sciences course	SBS Elective (see last page for list)	3
+ Course 2:	Any Ohio Transfer 36 approved Social and Behavioral Sciences course	SBS Elective (see last page for list)	3
NATURAL SCIENCES			10
Course 1:	Calculus-Based Physics I with lab (OSC016)	PHY221	5
Course 2:	Calculus-Based Physics II with lab (OSC017)	PHY222	5
ADDITIONAL CREDITS²			10
Course 1:	Calculus II (TMM006)	MTH224	4
Course 2:	General Chemistry I with lab (OSC008)	CHM141	5
Course 3:	Ohio Transfer 36 Approved Elective [Recommended: Any Ohio Transfer 36 approved Second Writing (TME002) course or General Chemistry II (OSC009)]	ENG221 or ENG231	3
GENERAL EDUCATION/OHIO TRANSFER 36 TOTAL:			41
Advising Notes: Where it indicates "Any Ohio Transfer 36 approved," students should work closely with their advisors. (+) indicates that the courses chosen should be from two different areas within that category. ¹ A prerequisite may be needed for a student to reach Calculus I (TMM005). ² Due to the variability across institutions, students should work with their academic advisor to determine an appropriate program of study and appropriate amount of additional credits to satisfy the Ohio Transfer 36.			

SPECIAL NOTES

Students with plans of pursuing a pre-professional or graduate studies track in the future should work closely with their academic advisor and receiving institution starting in the first year of their program in order to adequately prepare themselves for those types of tracks. Some pre-professional degrees include pre-medicine, pre-veterinary, pre-law, and pre-dentistry.



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PRE-MAJOR/BEGINNING MAJOR		COURSE NUMBER	CREDIT HOURS
Course 1:	Calculus III (OMT018)	MTH225	4
Course 2:	Elementary Linear Algebra (OMT019)	MTH226	3
Course 3:	Elementary Differential Equations (OMT020)	MTH227	3
PRE-MAJOR/BEGINNING MAJOR TOTAL:			10

OTHER RECOMMENDATIONS		COURSE NUMBER	CREDIT HOURS
Electives:	General Electives as needed (May include FYE or Orientation course) ¹	CHM142	5
		SSC101	1
		PHY105, CHM105, CHM205, BIO141, or BIO142	3-4
OTHER RECOMMENDATIONS TOTAL:			9-10

Advising Notes:

¹ Certain institutions may require two semesters or more of world language for Bachelor of Arts and Bachelor of Science degrees. If so, a world language should be taken – check with your receiving institution. Additional recommended pre-major/major coursework is institution specific and might include an appropriate course in programming or modern physics (may not be offered by most two-year institutions). Different tracks for bachelor's degree programs may require complementary science courses, such as Biology. Chemistry may be required for students interested in teaching. Consult with your academic advisor and your receiving institution to determine an appropriate program of study.

ASSOCIATE DEGREE	Total Credit Hours
ASSOCIATE DEGREE TOTAL:	60-61

SPECIAL NOTES

Some bachelor-degree granting programs may be competitive and admission into the program is not guaranteed. Students should check with individual institutions for their program admission requirements.

Some bachelor-degree granting institutions require additional general education courses outside of the Ohio Transfer 36 and students may be required to take these courses in their junior or senior year. Students will still be able to follow this pathway and complete their bachelor's degree in approximately 60 additional credit hours.

For additional information, please contact:

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SAMPLE DEGREE MAP

FIRST YEAR

SEMESTER 1		SEMESTER 2	
COURSE NAME & NUMBER	CREDIT HOURS	COURSE NAME & NUMBER	CREDIT HOURS
CHM141 General Chemistry I	5	CHM142 General Chemistry II	5
MTH223 Analytic Geometry & Calculus I	4	MTH224 Analytic Geometry and Calculus II	4
Ohio Transfer 36 Social and Behavioral Sciences Elective	3	ENG221 Technical Report Writing or ENG231 College Composition II	3
ENG124 College Composition	3	PHY105 Astronomy, CHM105 Introduction to Forensic Science, CHM205 Forensic Chemistry, BIO141 General Biology I, or BIO142 General Biology II	3-4
SSC101 Student Success Seminar	1		
Total SEMESTER 1 Credit Hours	16	Total SEMESTER 2 Credit Hours	15-16

SECOND YEAR

SEMESTER 3		SEMESTER 4	
COURSE NAME & NUMBER	CREDIT HOURS	COURSE NAME & NUMBER	CREDIT HOURS
PHY221 College Physics I with Calculus	5	PHY222 College Physics II with Calculus	5
MTH225 Analytic Geometry & Calculus III	4	MTH227 Ordinary Differential Equations	3
MTH226 Linear Algebra	3	Ohio Transfer 36 Arts and Humanities Elective	3
Ohio Transfer 36 Arts and Humanities Elective	3	Ohio Transfer 36 Social and Behavioral Sciences Elective	3
Total SEMESTER 3 Credit Hours	15	Total SEMESTER 4 Credit Hours	14



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OHIO TRANSFER 36 ELECTIVES

Please work closely with your advisor when selecting courses.

ARTS AND HUMANITIES	Course Number	Credit Hours
British Literature: Medieval to 1785	ENG233	3
British Literature: 1785 to Present	ENG234	3
American Literature: Colonial to 1865	ENG236	3
American Literature: 1865 to Present	ENG237	3
U.S. History I to 1877	HIS121	3
U.S. History II from 1877	HIS122	3
World Civilization to 17th Century	HIS221	3
World Civilization from 17th Century	HIS222	3
Ethics	PHL122	3

SOCIAL AND BEHAVIORAL SCIENCE	Course Number	Credit Hours
Basic Economics	BUS122	3
Microeconomics	BUS221	3
Macroeconomics	BUS222	3
Political Science	PSC121	3
General Psychology	PSY121	3
Industrial/Organizational Psychology	PSY124	3
Social Psychology	PSY220	3