

Ingham ISD Early College Program of Study Plan

Programming Option A Computer Science

Schedules are subject to change.

11th Year

Semester	Course Name	Credits	Course Prerequisites	Corequisite	Instruction Method
WTC Class	CS 1110 Intro to Programming	3	None	MTH 1010	Articulation
WTC Class	CIS 1110 Computer Operating System & Maintenance	3	None	None	Articulation
<i>Spring</i>	MTH 1010 Quantitative Literacy	3	None	None	Dual Enrollment
<i>Spring</i>	ENG 150 English I (FSU)	3	None	None	Direct
<i>Spring</i>	NET 1010 Networking Essentials	3	None	CIS 1110A	Dual Enrollment

12th Year

Semester	Course Name	Credits	Course Prerequisites	Corequisite	Instruction Method
Fall	MTH 1110 College Algebra I	3	None	None	Dual Enrollment
<i>Fall</i>	COM 1020 Comp & Critical Thinking II	3	ENG 150	None	Dual Enrollment
<i>Fall</i>	PSY 2050 Self and Society	3	ENG 150/MTH 1010	COM 1020	Dual Enrollment
<i>Spring</i>	MTH 1120 College Algebra II	3	MTH 1010	None	Dual Enrollment
<i>Spring</i>	ITS 2310 Linux I	3	None	None	Dual Enrollment

Summer

Semester	Course Name	Credits	Course Prerequisites	Corequisite	Instruction Method
<i>Summer</i>	MTH 1210 Trigonometry	3	MTH 1120	None	Dual Enrollment
<i>Summer</i>	CIS 2210 Database Management & Design	3	CIS 1110A or CS 1110	None	Dual Enrollment

13th Year

Semester	Course Name	Credits	Course Prerequisites	Corequisite	Instruction Method
<i>Fall</i>	CIS 2510 Systems Development Methods	3	None	None	Dual Enrollment
<i>Fall</i>	CS 150 Python Programming	3	CS 1110 or EGR 2710	None	Dual Enrollment
<i>Fall</i>	CS 2410 Java Programming	3	CS 1110	None	Dual Enrollment
<i>Fall</i>	MTH 1510 Calculus I	4	MTH 1210 or MTH 1310	None	Dual Enrollment
<i>Spring</i>	CS 2010 Net-Centric Computing	3	CS 1110	None	Dual Enrollment
<i>Spring</i>	CS 2150 C++ Programming	3	CS 1110 and MTH 1110 or EGR 2710	None	Dual Enrollment
<i>Spring</i>	CS 2420 Advanced Java Programming	3	CS 2410	None	Dual Enrollment
<i>Spring</i>	MTH 1410 Introduction to Discrete Mathematics	3	MTH 1120 or MTH 1310	None	Dual Enrollment

= 61 Credits