

Mobile App Degrees Program Pathways

Strengthening Mobile Application Resources and Technician Training (SMARTT)

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High School Dual Enrollment through College Credit Plus IT Explores Program

Articulation Agreement for Kent State University



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Early career exploration for high school students interested in IT



The rapidly growing IT industry is expected to outpace the overall economy’s growth in the coming years, and demand for skilled workers in a variety of roles will be high. Columbus State Community College is offering a sequence of CCP courses for high school students to explore the foundations of information technology. Through the program, high school students earn college credit while getting first-hand experience in their potential field of interest. Special events and activities outside the classroom provide further career exploration opportunities.

Courses

All courses are currently offered online and will be taught by Columbus State faculty. Columbus State has been a regional leader in online education since 1997 when we launched our first online class. We were the first college in Ohio approved by the Higher Learning Commission to offer degrees entirely online. Our faculty are solely focused on student learning and success and equipped with the tools and training they need to inspire and engage students online. Students can expect a high-quality experience that’s also safe and flexible.

	Exploration	Dedicated Pathway	General Education (Optional Add-On)
Semester 1	CSCI 1101	CSCI 1101 CSCI 1103**	ENGL 1100
Semester 2	CSCI 1103**	CSCI 1145 CSCI 1320	SBS XXXX or HUM XXXX*
Semester 3	CSCI 1145	CSCI XXXX* CSCI XXXX*	SBS XXXX or HUM XXXX*
Semester 4	CSCI 1320	CSCI XXXX* CSCI XXXX*	NAT XXXX*

*Please meet with your advisor to discuss what options are available.
**Requires placement into MATH1075 or higher to be eligible for course.

Additional Events

Students will have the opportunity to learn about academic programs and transfer opportunities, engage with Columbus State Career Services for guidance, and speak directly with professionals in the IT field.

Next Steps: If you have a student who is interested in taking one or more of these courses, please have them contact CCPadvising@csc.edu



Columbus State Community College
Associate of Applied Science (AAS),
Major: Computer Science- Mobile App Development
to Kent State University
Bachelor of Science (BS) Degree, Major: Information Technology,
Sample Graduation Plan



Required Courses for the AAS Degree in Computer Science- Mobile App Development

		Columbus State Community College 2 Year Plan of Study Computer Science MOBILE APP DEVELOPMENT			Name _____ Student # _____ Date Entered _____ Advisor _____	
CAREER AND TECHNICAL PROGRAMS						
FIRST SEMESTER		G/T/B	CR			
CSCI1101 Computer Concepts & Applications	T	3				
CSCI 1103 Intro to Prog Logic	T	3				
MATH 1111 Discrete Mathematics for Computing	G	3				
ENGL 1100 Composition I	G	3				
COLS 1100 First Year Experience Seminar	B	1				
			13			
SECOND SEMESTER		G/T/B	CR			
ITST 1101 Ind. Applications and Software	B	2				
IMM 1101 Mobile App Design I	B	3				
CSCI 1275 Bus Analysis & Agile	T	3				
SBS XXXX SBS (select from list)	G	3				
CSCI 1145 HTML	T	3				
			14			
THIRD SEMESTER		G/T/B	CR			
CSCI 1660 Prog Fund for Android	T	3				
CSCI 2660 Android Mobile Apps Dev	T	3				
CSCI 2447 Javascript	T	3				
CSCI 2221 Agile Soft Dev and Testing	T	3				
IMM 2210 - Mobile Analytics	B	3				
			15			
FOURTH SEMESTER		G/T/B	CR			
CSCI 1650 Prog Fund for iOS	T	3				
CSCI 2650 iOS Mobile Apps Dev	T	3				
CSCI 2999 Mobile Capstone	T	3				
IMM 2372 Hybrid App Development	B	3				
			12			
SUMMER SEMESTER		G/T/B	CR			
NAT XXXX Natural Sciences	G	3				
HUM XXXX Humanities	G	3				
IMM 1210 Mobile Inter /Usability	B	3				
			9			
GRADUATION REQUIREMENTS G = General Education B = Basic Education T = Technical Education						
Total General Ed.			15			
Total Basic			15			
Total Non-Technical			<u>30</u>			
Total Tech. Ed.			<u>33</u>			
TOTAL CREDITS			<u>63</u>			

Students should substitute MATH 1146/1148 for MATH 1111 (seen note after major notes re: Math requirement).

Courses to be Completed at Kent State University for the Bachelor of Science, Major: Information Technology

Major Courses

IT 11002	Visual Basic Programming OR	
IT 13000	Application Security Essentials	3 credit hours
IT 11005	Intro to Operating Systems & Network Tech	3 credit hours
IT 12000	Intermediate Office Productivity Apps	3 credit hours
IT 11009	Computer Assembly & Configuration	4 credit hours
IT 21010	Workgroup Productivity Software	3 credit hours
IT 21007	Cyber Ethics in Information Technology	3 credit hours
IT 21002	Network Setup & Configuration	4 credit hours
IT 36308	Ergonomics in Computer Science	3 credit hours
IT 36318	Survey of Info. Security, Internet Fraud, & Computer Forensics (WIC)	3 credit hours
TAS 37900	Technical & Applied Studies Cornerstone	3 credit hours
IT 36340	Help Desk Support	3 credit hours
IT 42000	Social Media Security	3 credit hours
IT 36314	Seminar in Emerging Computer & Info. Tech.	3 credit hours
TAS 47999	Technology & Applied Studies Capstone	3 credit hours
Major Concentration Courses		18 credit hours

Kent Core and Degree General Education*

ENG 21011	College Writing II	3 credit hours
Kent Core Social Science		3 credit hours
Kent Core Basic Sciences (w/ lab if not completed in degree)		3-4 credit hours
Kent Core Humanities or Fine Arts Course		3 credit hours
Kent Core Humanities or Fine Arts Course		3 credit hours
Kent Core Additional Courses		6 credit hours
Total Hours at Kent State University		83-84 credit hours

Notes about the Information Technology Major

- To graduate from Kent State, students must have completed a minimum of 120 credit hours. Thirty-nine (39) of those credits must be in the Upper Division (3000 level and above). A minimum cumulative GPA of 2.0 and a minimum major GPA of 2.0 must be earned for the degree. Students must complete an approved experiential learning sequence, a two-course diversity requirement (one global diversity requirement [DIVG] and one domestic diversity [DIVD] courses- see Kent State for more information), and a writing intensive course with a grade of "C".
- Information Technology Major Concentration:** Students may choose any major concentration to complete the required concentration hours for the degree depending upon their personal and career interests. Concentrations include: Application Development, Cybersecurity & Forensics, Database Design & Administration, Health Information Technology, Integrated Information Technology, Internet and Multimedia, and Networking. Six courses are required for the

major concentration and all must be upper division courses at Kent State. If students have questions about which concentration to choose or about the concentration course work, please contact the department at Kent State.

- **MATH NOTE:** This major requires completion a college algebra course. Students should substitute the MATH 1111 course in the degree for MATH 1146 or 1148. To take MATH 1146: College Algebra Plus, students need to place into the course through a valid ALEKS placement test score, ACT/SAT math score, or completion of MATH 1050 or 1050 module within MATH 1099. To complete MATH 1148: College Algebra or 1150: Precalculus, students need to place into the course directly with a valid ALEKS placement test score or ACT/SAT math score. *If students does not complete the course at Columbus State, they must complete the course at Kent State prior to beginning additional major course work.*
- ***Kent Core and Degree General Education Courses:** Students may choose to complete a portion or all of this course work at CSCC prior to completing the remaining degree requirements at Kent State. **PLEASE NOTE:** Students who use federal financial aid funding to cover the costs of their course work may not receive funding for any courses not listed in the AAS Computer Science- Mobile App Development degree program including these additional courses. Before registering for any additional course work at CSCC, students should consult with a CSCC financial aid advisor and a Kent State advisor to discuss appropriate and optimal course selections for the Kent Core, degree general education, major courses, and any needed electives.
- This degree can be completed entirely online through Kent State University. Questions regarding the program should be directed to advisors at Kent State University.