

Appendix Q: Computer Science Graduation Courses

Table 1: Secondary Courses That Fulfill the Computer Science Graduation Requirement

Course Code	Course Name	Course Code	Course Name
5351	Advanced Animation	5028	Fundamentals of Computing Part I
5323	Advanced Computer Operating Systems	5029	Fundamentals of Computing Part II
5321	Advanced Computer Repair and Service	5350	Foundations of Animation
5372	Advanced Cyber Security	5061	Discovering Computer Science
5311	Advanced Networking	5062	Discovering Computer Science Part I
5033	Advanced Web Page Design and Development	5063	Discovering Computer Science Part II
5313	Advanced Server Administration	5031	Fundamentals of Web Page Design and Development
4771	AP Computer Science A	5352	Game Design and Development
4775	AP Computer Science Principles	5361	GIS 1
5374	Computer Forensics	5362	GIS 2
5322	Computer Operating Systems	471B	IB Computer Science HL-1
5050	Computer Programming 1	471C	IB Computer Science HL-2
5056	Computer Programming 1 with C++	471D	IB Computer Science SL
5052	Computer Programming 1 with JAVA	5025	IT Fundamentals
5054	Computer Programming 1 with Visual Basic	5058	Java Fundamentals and Java Programming
5051	Computer Programming 2	5310	Networking Fundamentals
5057	Computer Programming 2 with C++	6373	PLTW Computer Science Applications
5053	Computer Programming 2 with JAVA	6372	PLTW Computer Science Essentials
5055	Computer Programming 2 with Visual Basic	6377	PLTW Computer Science Principles
5320	Computer Repair and Services	6378	PLTW Cybersecurity
5370	Cyber Security Fundamentals	6050	PLTW Principles of Engineering
5324	Database Design and Programming with SQL	5327	SAS Programming 1
5326	Database Programming with PL/SQL	5328	SAS Programming 2
5023	Fundamentals of Computing	5312	Server Administration
5021	Business Data Applications	9706	IGCSE Computer Science

Table 2: Dual Enrollment Courses That Fulfil the Computer Science Graduation Requirement

Post-Secondary Course Name	Post-Secondary Course Codes	Equivalent CTE Secondary Course, if any: 4 digit code (CTESRPG)
Dual Enrollment Internet & Web Design (CPT 162)	5037	5031 Fundamentals of Web Page Design and Development
Dual Enrollment Computer Programming 1 (CSCI 220)	6727	5050 Computer Programming 1
Dual Enrollment Intro to Java Programming (CPT 236)	5373	5052 Computer Programming with Java 1
Dual Enrollment Advanced Java Programming (CPT 237)	8371	5053 Computer Programming with Java 2
Dual Enrollment Visual Basic Net 1 (CPT 186)	6734	5054 Computer Programming with Visual Basic 1
Dual Enrollment C++ Programming 1 (CPT 232)	5375	5056 Computer Programming with C++ 1
Dual Enrollment Computers and Programming (CPT 114) (CSCE 102) (CSCI U150)	672100EW	5050 Computer Programming 1
Dual Enrollment Networking 2 (CIS 225)	6760	5311 Advanced Networking
Dual Enrollment Cisco Internetworking Concepts (IST 201)	6763	5310 Networking Fundamentals
Dual Enrollment Cisco Router Configuration (IST 202)	8775	5311 Advanced Networking

Post-Secondary Course Name	Post-Secondary Course Codes	Equivalent CTE Secondary Course, if any: 4 digit code (CTESRPG)
Dual Enrollment Operating Systems (CPT 257)	8377	5322 Computer Operating Systems
Dual Enrollment Fundamentals of Network Security I (IST 291)	8772	5370 Cyber Security Fundamentals
Dual Enrollment Ethical Hacking or Dual Enrollment Network Vulnerability Assessment (IST 267)	8777	5372 Advanced Cyber Security
Dual Enrollment Computer Forensics (IST 268)	8770	5374 Computer Forensics
Dual Enrollment Engineering Tech Applications and Programming (EGR 130)	6602	6050 PLTW Principles of Engineering

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