COMPUTER SCIENCE (B.S.) — NETWORKING

Student Learning Outcomes

a. Students will demonstrate knowledge of Computer Science-specific content (programming in a higher-level language; computer's internal organization).

b. Students will demonstrate critical thinking in Computer Science.

c. Students will demonstrate communication skills reflective of professional standards in Computer Science.

d. Students will demonstrate Computer Science-specific calculation-based skills (ability to work with different bases, internal data representations, digital logic).

e. Students will demonstrate readiness for post-baccalaureate entry into workforce or advancement (entrance) into graduate or professional programs.

Recommended

- A Global Learning (GL) experience (http://catalog.walsh.edu/undergraduate/academic-services/#globallearning)

Required

- General Education Requirements (http://catalog.walsh.edu/undergraduate/general-education-curriculum/)
- Internship

Code	Title	Hours
Computer Science: Networking Required Courses		
CS 108	Found of Computer Science I	3
CS 111	Intro to Obj-Oriented Program	3
CS 112	Introduction to Networking	3
or ICT 112	Introduction to Networking	
CS 114	Introduction to Cybersecurity	3
CS 210	Understanding UNIX/LINUX	3
or ICT 210	Understanding UNIX/LINUX	
CS 298	Computer Sci Career Seminar I	1
or ICT 298	Comp Science Career Seminar I	
CS 385	Computer Science Internship	1-6
ICT 301	Advanced Networking	3
ICT 302	Telecommunication Networking	3
ICT 303	Wireless and Mobile Computing	3
ICT 401	Fund of Inform & Network Secur	3
ICT 402	Virtual, Cloud Comp & Secur	3
ICT 403	Adv Network Administration	3
ICT 404	Network Des & Mgmt (Capstone)	3
ICT 498	CS Career Seminar II	1
or CS 498	CS Career Seminar II	
Computer Science: Networking Elective Courses		
Select six credit hours from the following:		6
CS 387	Advanced Cybersecurity	
ICT 410	Intru Detect & Incid Response	
ICT 411	Digital Forensic Analysis	
ICT 412	Ethical Hacking & Sys Defense	
Total Hours		**45-50**

Students must pass each course with a "C-" grade or higher for the major.