

Java, Web, and Mobile Device Programming One-Year Certificate

PROFESSIONAL TECHNICAL 2017-2018 Certificate Requirements

Major Courses

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
CS	106	Database Systems	5		
CS	114	HTML5-HTML	5		
CS	115	HTML5-Cascading Style Sheets	5		
CS	117	Computer Ethics <i>or</i>	2		
CS	118	Customer Service	3		
CS&	141	Computer Science I Java	5		
CS	223	UNIX/Linux	5		
CS	225	SQL Server Programming	5		
CS	236	Advanced Object Oriented Programming	5		
CS	250	HTML5-JavaScript/JQuery	5		
CS		Select any CS course	5		

Subtotal 47-48

General Education

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
ENG&	101	English Composition <i>or</i>	5		
ENGL&	102	Composition II	5		
MATH&	141, 142, 144, 146, 148, 151, 152, or 153		5		
Psychology or Sociology (select 5 credits)					
PSYC&	100+	General Psychology <i>or</i> above <i>or</i>	5		
SOC&	101	Intro to Sociology <i>or</i>	5		
SOC&	201	Social Problems	5		
Communication Studies (select 3-5 credits)					
CMST	101	Speech Essentials <i>or</i>	3		
CMST	110	Communication Behavior <i>or</i>	3		
CMST&	220	Public Speaking <i>or</i>	5		
CMST&	210	Interpersonal Communication <i>or</i>	5		
CMST	260	Multicultural Communication	5		

Subtotal 18-20

Total Credits Required 65-68

Note: MATH 094 or MATH 095 or MATH 098 with minimum grade 2.0 is prerequisite for all programming classes. Students must receive minimum 2.5 grade in all CS courses.