

Bachelor of Science in Computer Science

2018-2019 Catalog



Name _____ Advisor _____

Students: This planning sheet serves as your guide as you progress through your degree requirements at the University of Providence. It is your responsibility to keep clean, up-to-date planners. A copy of each planner must be submitted with your application for graduation.

<i>Required Courses</i>	<i>Cr.</i>	<i>Semester</i>	<i>Grade</i>	<i>Transfer/Comment</i>
CPS 120 Fund of Information Systems	3	_____	_____	_____
CPS 210 Networks and Telecommunications	3	_____	_____	_____
CPS 250 Info Syst Thry, Strat, Arch & Prac	3	_____	_____	_____
CPS 270 Intro to Programming	3	_____	_____	_____
CPS 300 Syst Anlysis and Project Management	3	_____	_____	_____
CPS 301 Phys Desn & Implmntn w/ Dtbs Mgt	3	_____	_____	_____
CPS 310 Info Tech Hardware & Software	3	_____	_____	_____
CPS 370 Prog w/ Data, File & Object Struct	3	_____	_____	_____
CPS 385 Data Scripting	3	_____	_____	_____
CPS 411 Algorithms	3	_____	_____	_____
CPS 450 Advanced Networking	3	_____	_____	_____
CPS 498 Physical Design in Emerging Enviro	3	_____	_____	_____

Mathematics Requirements for Major

MTH 177 Discrete Mathematics	3	_____	_____	_____
MTH 252 Stats Mthds for the Sciences	3	_____	_____	_____

Mathematics Electives for Major 3-4 Credits

SCS 312 Social Research Methods and Applied Statistics	4	_____	_____	_____
MTH 241 Calculus I	4	_____	_____	_____
MTH 242 Calculus II	4	_____	_____	_____
MTH 300 Linear Algebra	3	_____	_____	_____

<i>Specialized Concentrations</i>	<i>9</i>	<i>Semester</i>	<i>Grade</i>	<i>Transfer/Comment</i>
<u>Networking Concentration</u>				
CPS 276 Routers	3	_____	_____	_____
CPS 376 Applied Networking	3	_____	_____	_____
CPS 445 Network Integration	3	_____	_____	_____
<u>Security Concentration</u>				
CPS 280 Computer Security	3	_____	_____	_____
CPS 320 Computer Forensics	3	_____	_____	_____
CPS 325 Information Assurance	3	_____	_____	_____

Total Credits for Major 54-55

A minimum of 40% or 15 credits of the major (whichever is greater) must be earned in residency at the University of Providence

120 total Credits are required for all Bachelor Degree Programs