



Bay State College INFORMATION TECHNOLOGY (BS) WEB AND MOBILE DEVELOPMENT GRADUATION GUIDE 2021-2022

Student Name: _____ **Semester/Catalog Entering:** Fall Spring Summer Year: _____

Student ID: _____ **Exp. Graduation Date:** _____

First Semester				Second Semester			
Course	Code	Cr	Semester Completed	Course	Code	Cr	Semester Completed
*English I/Literature Elective	ENG 111B/LIT	3		Reading, Writing, and Critical Thinking	COR 102B	3	
Computers & Information Systems	CIS 103	3		Integrative Social Sciences	COR 103B	3	
Art and Science of Learning	COR 101B	3		Network Fundamentals	CIS124	3	
Intermediate College Algebra	MAT 104	3		Intermediate Office & Web App	CIS 109	3	
Introduction to Business	MAN 101	3		Enterprise End User Support	CIS 123	3	
Semester Total	15			Semester Total	15		

Third Semester				Fourth Semester			
Course	Code	Cr	Semester Completed	Course	Code	Cr	Semester Completed
Divided America	COR 106B	3		Statistics	MAT 200	3	
Introduction to Servers	CIS 202A	3		Communication Skills for the 21 st Cent	COR 105B	3	
Introduction to Programming	CIS 210	3		Pathways to Careers	COR 203B	3	
Database Mgmt Systems	CIS 400	3		Object Oriented Programming	CIS 222	3	
Open Elective		3		Management	MAN 102	3	
Semester Total	15			Semester Total	15		

Fifth Semester				Sixth Semester			
Course	Code	Cr	Semester Completed	Course	Code	Cr	Semester Completed
Science Elective & Lab (2 courses Lec/Lab)	&	4		Design Thinking	COR 202B	3	
Global Citizenship	COR 201B	3		Advanced Business Applications	CIS 209	3	
Internet Analytics	CIS 321	3		Netw Infrastructure & Security	CIS 305	3	
Data Warehousing and Business Intelligence	CIS 410	3		WMD Program (Pool A)	CIS _____	3	
Web Apps Development - Client Side	CIS 300	3		Web Apps Development-Server	CIS 301	3	
Semester Total	16			Semester Total	15		

Seventh Semester				Eighth Semester			
Course	Code	Cr	Semester Completed	Course	Code	Cr	Semester Completed
Good Life	COR 300B	3		Internship Seminar	MAN 299S	1	
Enterprise Systems and Integration	CIS 313	3		Internship	MAN 499	3	
Microeconomics	ECO 101	3		Solution Development – Capstone	CIS 497	3	
WMD Program (Pool B)	CIS _____	3		WMD Program (Pool B)	CIS _____	3	
WMD Program (Pool B)	CIS _____	3		Open Elective		3	
Semester Total	15			Open Elective		3	
				Semester Total	16		

Information Technology– Web and Mobile Development Concentration		<i>PROGRAM ELECTIVES:</i> Students may utilize select courses with the following prefixes in the School of Management to satisfy Program Elective requirements: ACC, AUD, CIS, ENT, FAD, FAM, FIN, HOM, MAN, MKT <i>SCIENCE W/LAB:</i> Science course lecture must also complete Lab section to get full credit. Transfer Credits—90 Credits Maximum POOL A: CIS 327, CIS 300 POOL B: CIS 325, CIS 425, CIS 427, CIS 404, CIS 403
General Education Core	43 credits: 15 courses	
Required Program Core	49 credits: 17 courses	
Program/Open Elective	9 credits: 3 courses	
Concentration Courses	21 credits: 7 courses	
Program Total	122 credits	

**Testing out of English I will be required to take a Literature elective in place of ENG 111B. Developmental Courses will receive 3 credits each but will not count towards graduation requirements.*

Advising Notes:

It is the student's responsibility to know and understand the following: 1) that this graduation guide is subject to change; 2) that each academic department at Bay State College may have its own policy regarding the acceptance of transfer credit from other institutions; 3) that each academic department at Bay State College may have its own policy regarding what constitutes a passing grade for a required course; 4) Developmental courses (below 100level) are non-collegiate that receive credit that does not count towards graduation requirements; and 5) an expected graduation date is an estimation, not a guarantee of graduation date, and is dependent on student progression. Students should contact an academic program chair for specific information.