Suggested Four-Year Plan of Study
COMPUTER SCIENCE

FITCHBURG STATE UNIVERSITY

B.S. Computer Science (Game Programming)

FRESHMAN YEAR

Fall Semester — 16 Credits

FYE xxxx	FYE Seminar (R, IL)	3
ENGL 1100	Writing 1 (W)	3
MATH 1300	Precalculus^	4
CSC 1500	Computer Science I	3
	WS elective	3

^ The AAF placement test score > 242 is required.

Spring Semester — 16 Credits

MATH 1800	Business Statistics (QR)	3
ENGL 1200	Writing II (W, IL)	3
CSC 1900	Discrete Mathematics (PL)	3
CSC 1550	Computer Science II	3
SI & LAB	Natural Science Course	3or4

SOPHMORE YEAR

Fall Semester — 17 Credits

LAB	SI Elective	3or4
CSC 2560	Systems Programming	3
MATH 2300	Calculus I	4
EXSS xxxx	PW elective	3
	FA elective	3

Spring Semester — 17 Credits

CSC 1650	Digital Electronics	4
CSC 3700	Algorithms & Data Structures	3
MATH 2400	Calculus II (AIA)	4
GAME 2000	Elements of Game Design	3
	DP elective	3

JUNIOR YEAR

Fall Semester — 16 Credits

CSC 2600	Computer Organization	4
CSC 3200	Programming Languages	3
CSC 3050	Web Programming	3
HIST xxxx	HI elective	3
GAME 2200	Intro to Game Art	3

Spring Semester — 15 Credits

	Free Elective	3
CSC 3100	Operating Systems	3
MATH 2600	Linear Algebra (AIA)	3
CSC 3560	Mobile App Development	3
GAME 3000	Game Design Workshop	3

SENIOR YEAR

Fall Semester — 12 Credits

CSC 3xxx	CSC elective	3
CSC 3650	Game Programming	3
CSC 4100	Ethics and Impacts in CS (ER)	3
	CV elective	3

Spring Semester — 11 Credits

CSC 4400	Software Engineering (IHIP)	3
CSC 4200	Computer Graphics	3
ENGL xxxx	LI elective	3
	Free elective (if needed)	4

General Education: Foundation

3 credits Reading and Information Literacy (R and IL): First Year Experience
3 credits Writing (W): Writing I
3 credits Writing and Information Literacy (W and IL): Writing II
3 credits Quantitative Reasoning (QR) (MATH)
3 credits World Languages, Speaking and Listening (WS)

General Education: Exploration

3 credits Civic Learning (CV)
3 credits Diverse Perspectives (DP)
3 credits Ethical Reasoning (ER)
3 credits Fine Arts Expression and Analysis (FA)
3 credits Historical Inquiry and Analysis (HI)
3 credits Literary Inquiry and Analysis (LI)
3 credits Personal Wellness (PW)
3 credits Procedural and Logical Thinking (PL)
3 credits Scientific Inquiry and Analysis (SI)

General Education: Integration

9 credits AIA (3 of which must be Integrative High Impact Practice - IHIP)

OR

Minor (professional majors completing a minor or second major must include at least 9 credits in LA&S disciplines for that minor)

General Education: MAJ

There may be major courses that have been approved to fulfill up to 3 General Education requirements (at least 9 credits). Varies by major and concentration.

Suggested 4-year plan of study. Completion of 120 credits required for graduation.