NAME: **B.S. COMPUTER SCIENCE - CSGP (GAME PROGRAMMING)** (CIP 11.0701)   **DATE:**

English Composition Placement is:	ALEKS MATH COURSE PLACEMENT
ACT ENGL score 21 or above	76-100, MathA257, Calculus 1
SAT Verbal score 501 or above	
Register for ENGL-T122 _____	_____
	46-75, MathA118, Pre-Calculus
ACT ENGL score 20 or below	_____
SAT Verbal score 500 or below	0-45, MathA092, Fundamentals of Algebra
Register for ENGL-A100 _____	_____ *(not counted in final degree credits)*

LOYOLA CORE - 40 Credits

FOUNDATION COURSES   Crs/Grade

First-Year Seminar T121 _____ 3_____

Engl T122: Critical Reading and Writing _____ 3_____

Math A257: Calculus I _____ 4_____

Scie T129: Investigating Nature_____ 3_____

     13

KNOWLEDGE-VALUE COURSES

Creative Arts & Cultures _____ 3_____

Hist I: T122, Global I/Emerging or T124, Global II/Modern*

Choice here determines HIST II course below _____ 3_____

Hist II*_____ 3_____

If T122 taken above, take HIST-Q###; if T124 above, take HIST-P###

Phil I: Reasoning _____ 3_____

Phil II: Knowledge & Morality_____ 3_____

Rels I: Christian Theology _____ 3_____

Rels II: World Religions _____ 3_____

Social Science _____ 3_____

Scie II: __(Fulfilled in Adjuncts)_____ 0_____

Writing About Literature _____ 3_____

     27

LANGUAGE Placement _____

Placement Course_____ 3_____

Higher course _____ 3_____

     6

LANGUAGE: Choose from Spoken A100, A101, A200, A201, or Classical A100, A101, A250, A251-A499. Language above A201 not required. If placement is A201, take A201 + 3 add'l credits General Elective instead.

GPA: Must achieve 2.0 in Major, Minor (if declared), and Loyola Cumulative.

MAJOR.......................................44 Crs

Computer Science...........................27 Crs

Intro to Programming I

Cosc A211_____3____

Intro to Programming II

Cosc A212_____3____

Object-Oriented Programming

Cosc A217_____3____

Intro to Computer Graphics

Cosc A280_____3____

Computer Organization

Cosc A315_____3____

Data Structures

Cosc A317_____3____

Languages and Paradigms

Cosc A361 _____3____

Operating Systems

Cosc A365 _____3____

Software Engineering

Cosc A451_____3____

Game Programming Electives.........**9 crs**

_____3____

_____3____

_____3____

Practical Experience.........................8 Crs

Internship I_____2____

Internship II_____3____

Capstone Special Project_____3____

ADJUNCT...................................6 Crs

Intro to Linear Algebra

MATH A200_____3_____

Choose one from the following:

MATH A204, Discrete Math Structures

MATH A258, Calculus II (3 crs w/1 cr to GE)

MATH A260, Statistical Inference

MATH A271, Applied Scientific Computing

PHIL A206, Intro to Symbolic Logic

_____3____

GENERAL ELECTIVES..........24 Crs

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**Game Programming Electives
Choose any three: Must choose
at least one from each pool.

Artistic Pool

Game as Art   CMMN X202

Media Play   CMMN X237

Interactive Design   DSGN M276

Doing Things w/Videogames ENGLA222

Videogames & Lit   ENGL N205

Digital Audio Prod   MUGN M225

(Any one Visual Arts)   VISA A***

Technical Pool

Internet Technologies   COSC A319

Artificial Intelligence   COSC A405

Computer Graphics   COSC A425

Computational Math   MATH A375

Classical Mechanics   PHYS A340

Physics of Sound   PHYS Y231

(See Bulletin for course descriptions
by Subject. See LORA for
availability.)

Loyola Core..........................40 crs	
Language..............................6 crs	
Major....................................44 crs	
Adjuncts................................6 crs	
General Elective.....................24 crs	
Total..................................120 crs	

Loyola Core requirements are governed by the catalog year that a student is admitted.

Courses used in the major cannot also be used to satisfy requirements for a minor: Non-major courses WILL be applied to minors as appropriate.