

**Degree Program Course List (DPCL) of major requirements for students entering Loyola in 2017-18**

**NAME:**

**B.S. COMPUTER SCIENCE – CSGP (GAME PROGRAMMING TRACK)**

**DATE:**

English Composition Placement is: ACT ENGL score 21 or above SAT Verbal score 501 or above Register for ENGL-T122 _____ ACT ENGL score 20 or below SAT Verbal score 500 or below Register for ENGL-A100 _____	ALEKS MATH COURSE PLACEMENT 76-100, MathA257, Calculus 1 _____ 46-75, MathA118, Pre-Calculus _____ 0-45, MathA092, Fundamentals of Algebra _____ <i>(not counted in final degree credits)</i>	<b>MAJOR ..... 44 Crs</b> <b>Computer Science: ..... 27 Crs</b> Intro to Programming I COSC A211 _____ 3 _____ Intro to Programming II COSC A212 _____ 3 _____ Object-Oriented Programming COSC A217 _____ 3 _____ Computer Graphics COSC A280 _____ 3 _____ Computer Organization COSC A315 _____ 3 _____ Data Structures & Algorithms COSC A317 _____ 3 _____ Programming Languages COSC A361 _____ 3 _____ Operating Systems COSC A365 _____ 3 _____ Software Engineering COSC A451 _____ 3 _____ <b>Game Programming Electives** : ..... 9 Crs</b>	<b>ADJUNCT ..... 6 or 7 Crs</b> Linear Algebra MATH A200 _____ 3 _____ Choose one from the following: MATH A204: Discrete Math Structures MATH A258: Calculus II (4 Crs) MATH A260: Statistical Inference MATH A271: Applied Scientific Computing PHIL A206: Introduction to Symbolic Logic _____ 3 or 4 _____	<b>**Game Programming Electives (Choose any three. At least one must come from each pool)</b> <u>Artistic Pool</u> Game as Art CMMN X202 Media Play CMMN X237 Interactive Design DSGN M276 Doing Things w/ Vidgames ENGL A222 Videogames and Lit ENGL N205 Digital Audio Prod MUGN M225 (any one Vis. Arts) VISA A*** <u>Technical Pool</u> Internet Technologies COSC A319 Artificial Intelligence COSC A405 Advanced Graphics COSC A425 Comp. Mathematics MATH A375 Classical Mechanics PHYS A340 Physics of Sound PHYS Y231
<b>LOYOLA CORE - 40 Credits</b>				
<b>FOUNDATION COURSES</b> Crs/Grade First-Year Seminar T121 _____ 3 _____ Engl T122: Critical Reading and Writing _____ 3 _____ Math A257: Calculus I _____ 4 _____ Scie T129: Investigating Nature _____ 3 _____ <p align="right"><b>13</b></p>				
<b>KNOWLEDGE-VALUE COURSES</b> Creative Arts and Cultures _____ 3 _____ Hist I: T122: Global I/Emerging or T124: Global II/Modern* *Choice here determines HistIII course below _____ 3 _____ Hist II* _____ 3 _____ *If HistT122 in ICC, take "Modern"; if T124 above, take "Emerging World" 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 _____ <p align="right"><b>27</b></p>		<b>GENERAL ELECTIVES ..... 23 or 24 Crs</b> _____ 3 _____ _____ 3 _____ _____ 3 _____ _____ 3 _____ _____ 3 _____ _____ 2 or 3 _____		Loyola Core ..... 40 crs Language ..... 6 crs Major ..... 44 crs Adjuncts ..... 6 or 7 crs General Elective ..... 23 or 24 crs Total ..... 120 crs
<b>LANGUAGE</b> Placement _____ Placement Course _____ 3 _____ Higher course _____ 3 _____ <p align="right"><b>6</b></p>	<b>Practical Experience: ..... 8 Crs</b> Internship I _____ 2 _____ Internship II _____ 3 _____ Capstone Special Project _____ 3 _____		Loyola Core requirements are governed by the catalog year that a student is admitted.	GPA: Must achieve 2.0 in Major, Minor (if declared), and Loyola cumulative.
Language - Choose from Spoken A100, A101, A200, A201 or Classical A100, A101, A250, A251-A499; students are not required to take language above the A201 level.			<b>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.</b>	