PURDUE UNIVERSITY

New Albany Computer Graphics Technology   Name: _____

Major: Computer Graphics Technology – Game Studies (GASD)

CGT-BS Suggested Arrangement of Courses   Catalog Term: _____   PUID: _____

For Catalog Terms beginning in Fall 2019

Major Code: GASD   Program Code: PICGT-BS

Fall 1st Year	CR	GR	Sem	Fulfilled by	Spring 1st Year	CR	GR	Sem	Fulfilled by
CGT 10101 Foundations of CGT	2				CGT 11600 Geo Model Vis & Comm or **CGT 11100** Dsgn for Visual Communication	3			
CGT 11800 Fund. Of Imaging Tech	3				**CGT 14100** Internet Fdtn Dev & Tech	3			
TECH 12000 Design Thinking in Tech.*	3				**SCLA 10200** Transformative Texts, Critical Thinking & Comm II* (**SPCH-S121***IU)	3			
MA 15800 Precalculus* (Prereq: ALEKS 60%)	3				**MA 16010** Applied Calculus I* (Prereq: MA 15800 or ALEKS 75%)	3			
SCLA 10100 Transformative Texts, Critical Thinking & Comm I* (**ENG-W131***IU)	3				PHYS 22000 (**PHYS-P201***IU) General Physics I*	4			
TOTAL CREDIT HOURS	14				**TOTAL CREDIT HOURS**	16			

Fall 2nd Year	CR	GR	Sem	Fulfilled by	Spring 2nd Year	CR	GR	Sem	Fulfilled by
CGT 21500 CG Programming I (Prereq: CGT 14100 and Conc MA 16010)	3				**CGT 24100** Intro to Animation	3			
CGT 24500 Game Development I (Prereq: CGT 24100 & CGT 21500)	3				**CGT 25500** Game Development II (Prereq: CGT 24500)	3			
PSY 12000 (**PSY-P101***IU) Elem Psychology*	3				**CGT 25001** Professional Practices I	1			
Human Cultures: Humanities Core*	3				ECON 21000 (**ECON-E101***IU) Principles of Econ	3			
Technical Elective (Recommend: **CGT 11200**) Sketching	3				Science Foundational Selective Core*	3			
					Free Elective	3			
					CGT 20500 Portfolio Review	0			
TOTAL CREDIT HOURS	15				**TOTAL CREDIT HOURS**	16			

Fall 3rd Year	CR	GR	Sem	Fulfilled by	Spring 3rd Year	CR	GR	Sem	Fulfilled by
CGT 34000 Digital Light & Rendering (Prereq: CGT 24100)	3				**CGT 40500** Senior Portfolio Review (Coreq: CGT 44500)	0			
CGT 34500 Game Development III: (Prereq: CGT 25500)	3				**CGT 44500** Game Development IV (Prereq: CGT 34500)	3			
Humanities Elective	3				**CGT 25600** Human Computer Interface Theory & Design (Prereq: CGT 11800)	3			
Advanced English Selective (**ENGL 42100**) (Prereq: ENG-W131)	3				**CGT Globalization Selective**	3			
Free Elective	3				STAT 30100 (**MATH-K300***IU) Elem Statistical Methods	3			
					Management Selective	3			
TOTAL CREDIT HOURS	15				**TOTAL CREDIT HOURS**	15			

Fall 4th Year	CR	GR	Sem	Fulfilled by	Spring 4th Year	CR	GR	Sem	Fulfilled by
CGT 41101 Contemporary Prob in CGT (Prereq: Senior Standing)	2				**CGT 41201** Contemporary Prob in CGT II (Prereq: CGT 41101 & Senior Standing)	2			
MGMT 45500 (**BUS-L201***IU) Legal Background for Bus I	3				**CGT 45001** Professional Practice II (Prereq: CGT 25001 & Senior Standing)	1			
Humanities Elective	3				Free Elective	3			
Free Elective	3				Communication Selective (Prereq: SCLA 10200 or SPCH-S121)	3			
Free Elective	3				Technical Elective	3			
Technical Elective	3								
TOTAL CREDIT HOURS	17				**TOTAL CREDIT HOURS**	12			

*Fulfills University Core Curriculum requirement.   Graduation Requirements: Humanities Requirement, Professional Requirement

1. 120 semester credits and a 2.0 Graduation GPA are required for the Bachelor of Science degree.
2. Students must earn a "C-" or better in all CGT courses.
3. Courses at Purdue University may only be attempted a maximum of three (3) times, including W, WF, I, IF and all graded attempts.
4. 32 credit hours of 300-level or higher courses must be completed at Purdue University.

The student is ultimately responsible for knowing and completing all degree requirements.

myPurduePlan is the knowledge source for specific requirements and completion.

Bold indicates courses offered at New Albany Campus.
*Indicates IU Southeast course for New Albany Campus only (See Student Affairs Administrator for availability.)

CGT SELECTIVES:

    Computer Animation
    CGT 24100 Intro to Computer Animation
    CGT 34000 Digital Lighting& Rendering for Computer Animation (CGT 241)
    CGT 34100 Motion for Computer Animation (CGT 340)
    CGT 34600 Digital Video & Audio
    CGT 44200 Production for Computer Animation (CGT 341)
    CGT 44600 Post-Production & Special Effects for Computer Animation (CGT 241 & Senior Standing)

    Web Programming & Design
    CGT 25600 Human Computer Interface Theory & Design
    CGT 35300 Principles of Interactive & Dynamic Media (Co-Req CGT 356)
    CGT 35600 Web Programming, Development, & Data Integration (CGT 215 or CS 180)
    CGT 45600 Advanced Web Programming, Development, & Data Integration (CGT 356)

    Game Development & Design
    CGT 24500 Game Development I: Core Skills & Technologies
    CGT 25500 Game Development II: Design & Psychology
    CGT 34500 Game Development III: Environment Modeling for Games (CGT 241, CGT 215)
    CGT 44500 Game Development IV: Procedural Asset Creation for Games (CGT 345)

COMMUNICATION SELECTIVE:
COM 30000 or 40000 level **(SPCH-S229*IU or OLS 38800)**

TECHNICAL ELECTIVE: Any course within the Polytechnic (MET, EET, TLI, CGT, OL), Management, or Science.

HUMAN CULTURES: HUMANITIES CORE:
See http://www.purdue.edu/provost/initiatives/curriculum/course.html for approved Humanities Core Courses.
*ENG-L104, FINA-F100, FINA-H100, HIST-H105, HIST-H106, MUS-M174, EALC-J101

SCIENCE FOUNDATIONAL SELECTIVE CORE:
See http://www.purdue.edu/provost/initiatives/curriculum/course.html for approved Science Core Courses.
*BIOL-L100, CHEM-C101, PHYS-P202

ADVANCED ENGLISH SELECTIVE

ENGL 20500 Introduction to Creative Writing **(*ENG-W206)**	ENGL 42000 Business Writing **(*ENG-W231)**
ENGL 30400 Advanced Composition	**ENGL 42100** Technical Writing **(*ENG-W234)**
ENGL 41900 Multimedia Writing	

STATISTICS SELECTIVE:

STAT 22500 Introduction to Probability Models	PSY 20100 Introduction to Statistics in Psychology
STAT 30100 Elementary Statistical Methods **(*MATH-K300)**	**TLI 31600 Statistical Quality Control**

MANAGEMENT SELECTIVE:
Any course in Organizational Leadership (OL), Technology Leadership & Innovation (TLI), Management (MGMT), Economics (ECON),
Entrepreneurship (ENTR), or Organizational Behavior & Human Resources (OBHR)

CGT GLOBALIZATION SELECTIVE:

AAS 27100	Intro to African American Studies		HIST 19500	Historical Research & Film!
AAS 37300	History of Injustice		HIST 33805	History of Human Rights
AGR 20100	Communication Across Cultures		HIST 36600	Hispanic Heritage of the USA
ANSC 38100	Leadership for a Diverse Workplace		HIST 37700	History & Culture of Native America
ANTH 20500	Human Culture Diversity		HIST 46900	Black Civil Rights Movement
ANTH 21200	Culture, Food and Health		HIST 47900	Amer. Representations of Middle East & North Africa
ANTH 23000	Gender Across Cultures		HIST 49900	History of Sexual Regulation in the US
ANTH 34000	Global Perspectives on Health		HTM 37000	Sustainable Tourism & Responsible Travel
ANTH 37900	Native American Cultures		HTM 37200	Global Tourism Geography
ARAB 28000	Arabic Culture		PHIL 11400	Global Moral Issues
ASAM 24000	Intr to Asian American Studies		PHIL 43500	Philosophy of Mindy
AT 23300	Ethics and Aviation		POL 22200	Women, Politics & Public Policy
CNIT 32000	Policy, Regulation, & Globalization in IT		POL 23500	Rich & Poor Nations
COM 22400	Communicating in the Global Workplace		POL 32600	Black Political Participation in America
COM 30300	Intercultural Communication		POL 36000	Women and the Law
COM 32000	Small Group Communication		POL 42900	It's a Complex World
COM 38000	Sociolinguistic Study of African Amer. English		PSY 12000	Elementary Psychology
COM 41200	Theories of Human Interaction		PSY 25000	Psychology of Adjustment
ECET 29000	International Experience		PSY 25100	Health Psychology
ECET 38001	Global Professional Issues in ET		SOC 10000	Intro to Sociology
EDPS 30100	Peer Counseling Training		SOC 31000	Racial and Ethnic Diversity
EDPS 31500	Collaborative Leadership: Listening		SOC 33900	Intro to Sociology of Developing Nations
EDPS 31700	Collaborative Leadership: Mentoring		TECH 33000	Technology & the Global Society
ENGL 41400	Literature & Culture		TLI 31400	Leading Innovations in Organizations
HDFS 23300	Stress & Human Health		WGSS 28200	Intro to LGBT Studies
HDFS 28000	Diversity in Individual & Family Life		WGSS 38000	Gender & Multicultralism
HDFS 33200	Stress & Coping in Contemporary Families		WGSS 38300	Women and Work
HEBR 38500	The Holocaust in Modern Hebrew Literature		Any Foreign Language course 20100, 20200, 30100, 30200, 40100, 40200	

*HIST-W101, HIST-W102, PHIL-P170, PSY-P101, SOC-S163, TECH 33000, Foreign Language**

Humanities Requirement (1 required):
A Participation in Computational Arts Circle
B Complete courses within major that have Humanities Integrated into their assignments
C Complete course within major that have partnered with Humanities Professor
D Complete 2 additional Humanities Courses which would complete the Cornerstone Requirement

Professional Requirement (1 required):
A Complete an Internship
B Complete a Co-op
C Employment during the academic year related to Major Field of Study
D Complete an in-class internship-like experience created by Major
E Student Proposed Alternative: must be commensurate with the expectations of Professional Requirements related to Major Field of Study