Web Programming and Design (WEPD)

Purdue Polytechnic Institute

Department of Computer Graphics Technology

Advising Worksheet

Disclaimer: The Purdue West Lafayette catalog is considered the source for academic and programmatic requirements for students entering programs during the corresponding Fall, Spring, and Summer semesters. The Advising Worksheet assists students in the development of an individualized 8-semester plan. Students are encouraged to use this worksheet and MyPurduePlan* (the online degree auditing tool) as they work with their academic advisor toward the completion of all their degree requirements.

Notification: Each student is ultimately responsible for knowing, monitoring, and completing all degree requirements.

An undergraduate degree in the Purdue Polytechnic Institute requires completion of the following degree requirements.

University Degree Requirements		
Minimum 2.0 Cumulative GPA	Minimum 120 Credits that fulfill degree requirements	32 Residency Credits (30000-level and above) at a Purdue University Campus
University Core Curriculum ** https://www.purdue.edu/provost/students/s-initiatives/curriculum/courses.html		
• Human Cultures: Behavioral/Social Science • Human Cultures: Humanities • Information Literacy • Oral Communication	• Quantitative Reasoning • Science • Science, Technology & Society Selective • Written Communication	
Civics Literacy Proficiency https://www.purdue.edu/provost/about/provostInitiatives/civics/		
Required Major Program Courses (see following pages)		
Departmental specific requirement Students must earn a "C-" or better in all CGT courses. Minimum 2.0 cumulative GPA		
Pass/No Pass option		
• Pass/No Pass may be allowed for Electives or Technical Electives only.		
Non-course/Non-credit Requirements		
• Complete a Professional Requirement. * Complete an Intercultural Requirement. • Complete a Humanities requirement		

* This audit is not your academic transcript and it is not official notification of completion of degree or certificate requirements.

** University Core Curriculum Outcomes may be met through completions of the Purdue Polytechnic Institute curriculum. Students should Consult with their academic advisors and MyPurdue Plan for course selections.

Computer Graphics Technology – Web Programming & Design (WEPD)

Name:

PUID:

Suggested Arrangement of Courses:

Cr	Fall 1st Year	Notes	Cr		Spring 1st Year	Notes
3	CGT 11800 Fund. Of Imaging Tech		3		CGT 11600 Geo Mdl Visual & Comm	
3	CGT 14100 Internet Fdtn Dev & Tech		3		CGT 17208 UX Design Studio I: Fund	
3	CGT 27000 Intro to Data Visualization		3		Human Cultures: Behavioral/Social Sciences (BSS) Core*	
3	SCLA 10100 Transformative Texts: Written Communication and Critical Thinking: Antiquity to Modernity*		3		SCLA 10200 Transformative Texts: Oral Communication and Critical Thinking: Modern World*	
3	MA 15800 Precalculus*		3		MA 16010 Applied Calculus I*	
15			15			

Cr	Fall 2nd Year	Notes	Cr		Spring 2nd Year	Notes
3	CGT 21500 CG Programming I		3		CGT Selective (200 Level or higher)	
4	PHYS 22000 General Physics*		3		CGT Selective	
3	Human Culture: Humanities (HUM) Core*		1		CGT 25001 Professional Practices I	
3	Technical Elective		3		ECON 21000 Principles of Econ	
3	Free Elective		3		Science (SCI) Core*	
			3		Free Elective	
16			16			

Cr	Fall 3rd Year	Notes	Cr		Spring 3rd Year	Notes
3	CGT 35600 Web Pgm,Dev&Data		3		CGT 45600 Adv Web Pgm Dev&Data	
3	CGT Selective		3		CGT Selective	
3	Humanities Elective AD 226		3		CGT Globalization Selective	
3	Advanced English Selective		3		Statistics Selective	
3	Free Elective		3		Management Selective	
15			15			

Cr	Fall 4th Year	Notes	Cr		Spring 4th Year	Notes
3	CGT 35300 Princ. Interact&Dyn Med		1		CGT 45001 Professional Practice II	
2	CGT 41101 Contemp Prob in CGT I		2		CGT 41201 Contemp Prob in CGT II	
3	MGMT 45500 Leg. Backgrd for Bus I		3		Free Elective	
3	Humanities Elective		3		Communication Selective	
3	Technical Elective		3		Technical Elective	
2	Free Elective					
16			12			

*Satisfies a University Core Requirement

Graduation Requirements:
**Intercultural Requirement, Humanities Requirement, Professional Requirement
Students must earn a "C-" or better in all CGT courses.
120 semester credits & 2.00 Graduation GPA required for Bachelor of Science degree.
Purdue policy states that a student may attempt a course no more than three (3) times. An attempt is defined
as all courses displayed on a student's transcript including, but not limited to A,B,C,D,E,F,W,WF,I and IF
Each student must have 32 credit hours of 300- or 400-level Purdue courses for graduation.

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**The student is ultimately responsible for knowing and completing all degree requirements.
myPurduePlan is knowledge source for specific requirements and completion**
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Revised 01/2023 (effective Fall 2024)

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PURDUE
UNIVERSITY

Name:
PUID:

PICGT-BS
Catalog Term: 202410
120 Credit Hours to Graduate
"C-"or better required in all major courses

Departmental/Program Major Courses (45 credits)
Required Major Courses (33 credits)

	3	CGT 11600 – Geometric Modeling for Visualization and Communication
	3	CGT 11800 – Fundamentals of Imaging Technology
	3	CGT 14100 – Internet Foundations, Development & Technologies
	3	CGT 17208 - UX Design Studio I Fundamentals (satisfies Science, Technology & Society for core)
	3	CGT 21500 – CG Programming I
	1	CGT 25001 – Professional Practices I
	3	CGT 27000 - Introduction to Data Visualization
	3	CGT 35300 – Principles of Interactive & Dynamic Media
	3	CGT 35600 – Web Programming, Development & Data Integration
	2	CGT 41101 – Contemporary Problems in Applied CGT I
	2	CGT 41201 – Contemporary Problems in Applied CGT II
	1	CGT 45001 – Professional Practices II
	3	CGT 45600 – Advanced Web Programming, Development & Data Integration

Major Selectives* - Select 4 of the following courses (12 credits)

	9	CGT Selective
	3	CGT Selective (200 level or higher)

Other Departmental /Program Course Requirements (61 credits)

	3	SCLA 10100 - Transformative Texts: Written Communication and Critical Thinking: Antiquity to Modernity *(satisfies Written Communication for core)*
	3	SCLA 10200 - Transformative Texts: Oral Communication and Critical Thinking: Modern World *(satisfies Oral Communication for core)*
	3	ECON 21000 – Principles of Economics *(satisfies Human Culture Behavior/Social Science for core)*
	3	MA 15800 – PreCalculus (*satisfies Quantitative Reasoning Selective for core*)
	3	MA 16010 – Applied Calculus I (satisfies *Quantitative Reasoning Selective* for core)
	3	MGMT 45500 – Legal Background For Business I
	4	PHYS 22000 – General Physics *(satisfies Science Selective for core)*
	3	Human Cultures: Humanities (HUM) *(satisfies Human Cultures: Humanities for core)*
	3	Human Cultures: Behavioral/Social Sciences (BSS) *(satisfies Human Cultures: Behavioral/Social Sciences for core)*
	6	Humanities Elective
	3	Science (SCI) *(satisfies Science for core)*
	3	Advanced English Selective
	3	Statistics Selective
	3	Management Elective
	3	Communication Selective
	3	CGT Global Selective
	9	Technical Elective

Electives (14 credits)

	14	Free Elective

University Core Requirements

	Human Cultures Humanities	*Science, Technology & Society Selective*
	Human Cultures Behavioral/Social Science	*Written Communication*
	Information Literacy	*Oral Communication*
	Science Selective	*Quantitative Reasoning*
	Science Selective	

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CGT SELECTIVES:

CGT Selective - Entertainment: Animation & Visual Effects, Game

CGT 10501	Introduction to Games	CGT 33300	Modeling For Entertainment Graphics
CGT 11200	Sketching for Visualization & Communication	CGT 33500	Game Scripting
CGT 11505	Scripting and Computational Thinking	CGT 34000	Digital Lighting & Rendering for Computer Animation
CGT 11600	Geometric Modeling for Visual Communication	CGT 34100	Motion for Computer Animation
CGT 12300	Animation Foundation	CGT 34505	Environment Modeling for Games
CGT 14700	VFX Introduction	CGT 36500	Game Development Practicum
CGT 24100	Intro to Computer Animation	CGT 39000	Computer Graphics - Variable Titles
CGT 24500	Game Development I: Core Skills & Technogies	CGT 42500	Game Design
CGT 25500	Game Development II: Design & Psychology	CGT 44200	Production for Computer Animation
CGT 26505	Video Game Level Design	CGT 44500	Game Development IV: Procedural Asset Creation for Games
CGT 29000	Computer Graphics - Variable Titles	CGT 49000	Computer Graphics - Variable Titles
CGT 32101	Digital Illunstration	CGT 49100	Special Topics in Computer Graphics
CGT 32500	Animation For Games		

Data Visualization

CGT 27000	Introduction to Data Visualization
CGT 27500	Data Visualization II
CGT 37000	Interactive Data Visualization
CGT 37700	Scientific Visualization
CGT 47000	Visualization Studio

Advanced English Selective

ENGL 20500	Introduction to Creative Writing	ENGL 42000	Business Writing
ENGL 30400	Advanced Composition	ENGL 42100	Technical Writing
ENGL 41900	Multimedia Writing		

Communication Selective

COM 30000 or 40000 Level

Management Selective

Any Course in Economics (ECON), Entrepreneurship (ENTR), Management (MGMT), Organizational Behavior & Human Resources (OBHR), Organizational Leadership & Supervision (OLS), or Technology, Leadership & Innovation (TLI). CSR 10300 & CSR 34200 also allowed.

Statistics Selective

IET 31600	Statistical Quality Control	STAT 30100	Elementary Statistical Methods
PSY 20100	Introduction to Statistics in Psychology	STAT 35000	Introduction to Statistics
STAT 22500	Introduction to Probability Models		

Technical Elective

Any Course within the Purdue Polytechnic Institute, Engineering, Management, or Science. Subjects include: AAE, ABE, AFT, ASTR, AT, BCHM, BCM, BIOL, BME, BMS, CE, CGT, CHE, CHM, CLPH, CM, CNIT, CPB, CS, EAPS, ECE, ECET, ECON, EEE, ENE, ENFY, ENGR, ENGT, ENTM, ENTR, EPCS, GEP, IDE, IE, IET, EPPH, IT, MA, MCMP, ME, MET, MFET, MGMT, MSE, MSL, NS, NUCL, NUPH, NUR, OBHR, OLS, PHPR, PHRM, PHYS, PTEC, SCI, STAT, TECH, & TLI.

Humanities Elective

Any Course within the Purdue College of Liberal Arts. Subjects include: AAS, AD, AMST, ANTH, ARAB, ASAM, ASL, CHNS, CLCS, CMPL, COM, DANC, ENGL, FR, FVS, GER, GREK, GS, GSLA, HEBR, HIST, IDIS, ITAL, JPNS, JWST, KOR, LALS, LATN, LC, LING, MARS, MUS, PHIL, POL, PTGS, REL, RUSS, SCLA, SOC, SPAN, THTR, & WGSS.

CORE CURRICULUM
https://www.purdue.edu/provost/students/s-initiatives/curriculum/courses.html
HUMAN CULTURES: HUMANITIES (HUM) CORE *(satisfies Human Cultures: Humanities)*
Any Human Cultures: Humanities (HUM) allowed.
HUMAN CULTURES: BEHAVIORAL/SOCIAL SCIENCE (BSS) CORE
Any Human Cultures: Behavioral/Social Science (BSS) allowed.
SCIENCE (SCI) CORE - 2 Courses Required. PHYS 22000 and 1 course Any Science (SCI) allowed.
SCIENCE, TECHNOLOGY & SOCIETY (STS) CORE - CGT 17208 UX Design Studio I Fundamentals - Required

CGT GLOBALIZATION SELECTIVE:

AAS 27100	Intro to African American Studies	HIST 30000	Eve of Destruction: Global Crises and World Organization in the 20th Century
AAS 37300	Issues in African American Studies	HIST 33805	History of Human Rights
AGR 20100	Communication Across Cultures	HIST 35000	Sci & Society in the 20th Centrury World
ANSC 38100	Leadership for a Diverse Workplace	HIST 36600	Hispanic Heritage of the USA
ANTH 20300	Biological Bases of Human Social Behavior	HIST 37700	History & Culture of Native America
ANTH 20500	Human Culture Diversity	HIST 46900	Black Civil Rights Movement
ANTH 21000	Technology and Culture	HTM 37200	Global Tourism Geography
ANTH 21200	Culture, Food and Health	MSL 20100	Individual Leadership Studies
ANTH 23000	Gender Across Cultures	OLS 35000	Creativity in Business & Industry
ANTH 34000	Global Perspectives on Health	PHIL 11400	Global Moral Issues
ANTH 34100	Culture and Personality	PHIL 43500	Philosophy of Mindy
ANTH 37900	Native American Cultures	POL 22200	Women, Politics & Public Policy
ARAB 28000	Arabic Culture	POL 23500	Rich & Poor Nations
ASAM 24000	Intr to Asian American Studies	POL 32600	Black Political Participation in America
AT 23300	Ethics and Aviation	POL 32700	Global Green Policies
CNIT 32000	Policy, Regulation, & Globalization in IT	POL 36000	Women and the Law
COM 22400	Communicating in the Global Workplace	POL 41300	The Human Basis of Politics
COM 30300	Intercultural Communication	POL 42300	International Environmental Policy
COM 32000	Small Group Communication	POL 42900	Contemporary Political Problems
COM 41200	Theories of Human Interaction	POL 43300	International Organization
COM 42300	Leadership, Communication, & Organizations	PSY 12000	Elementary Psychology
ECET 29000	International Experience	PUBH 23500	Stress and Human Health
ECET 38001	Global Professional Issues in ET	SOC 10000	Intro to Sociology
EDPS 23500	Learning and Motivation	SOC 31000	Racial and Ethnic Diversity
EDPS 30000	Student Leadership Development	SOC 33900	Intro to Sociology of Developing Nations
EDPS 30100	Peer Counseling Training	SYS 30000	It's a Complex World-Addressing Global Challenges
EDPS 31500	Collaborative Leadership: Listening	TECH 33000	Technology & the Global Society
EDPS 31600	Collaborative Leadership: Cross-cultural Settings	TLI 11200	Foundations of Tech Leadership
EDPS 31700	Collaborative Leadership: Mentoring	TLI 31400	Leading Innovations in Organizations
ENGL 41400	Literature & Culture	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: 20100, 20200, 30100, 30200, 40100, 40200	

**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