Delaware County Community College Information Technology, Web Development Associate in Applied Science Widener University Bachelor of Arts in Digital Media Informatics with a concentration in Audio-Visual, Graphics, Mobile, & Web Development, Gaming & Artificial Intelligence, or Digital Writing Effective for catalog term Fall 2016 and after DCCC Widener University First Semester First Semester ENG 100 English Composition I 3 ENGL 101 Composition and Critical Thought 3 CS 100 Intro to Information Technology 3 CSCI 101 Introduction to Personal Computers 3 CS 101 Intro to Computer Science 3 CSCI 151 Intrroduction to Computer Science I 4 Any Diversity & Social Justice (DJ)/Global Understanding (GU) Social Science Elective 3 3 MAT 135 Business Precalculus 3 MATH 117 Elementary Functions 3 15 16 Second Semester Second Semester English Composition II: Writing About ENG 112 Literature 3 ENGL 102 Literature and Critical Writing 3 IMM 120 Web Page Design and Development COMS 266 Basic Web Design 3 3 IMM 110 Multimedia Graphics and Design 3 COMS 264 Layout and Design 3 Scientific Inquiry (SI) 4 Science Elective 4 Math Elective 3 - 4 MATH course see list below 3-4 16 - 17 16-17 Third Semester Third Semester CS 207 Intro to Oracle SQL CSCI 20A 200 Level Computer Science 4 3 CS 241 Mobile Web Development CSCI 30A Computer Science Technical Elective 3 3 NET 110 Network Communicatoins 3 CSCI 20B 200 Level Computer Science Elective 3 CS 141 CSCI 10A 100 Level Computer Science Elective 3 Unix Operating Systems 3 CS 214 jQuery/JavaScript CSCI 20A 200 Level Computer Science Elective 3 3 16 15 Fourth Semester **Fourth Semester** NET 230 Network Operating Systems Concepts 4 Free Elective for DMI 3 CS 206 PHP/MySQL 3 CSCI 30B Computer Science Technical Elective 3 CS 200/IMM 200 Free Elective for DMI/DMI/COMS Concentration UX Design 3 3 PRWR 215 BUS 130 Business Communication 3 Effective Communication 3 13 12 59-60 Total Credits 60-62 **Total Credits:** Notes: Humanities, Social Science, Science Electives, MATH courses WU Humanities electives can be any courses from DCCC HIS, ENG, HUM, PHI; WU Social science elective can be any course from DCCC PSY, SOC, POL, ADJ. ENGL 101 and ENGL 102 are WU DMI curriculum requirements. DCCC's COMM courses are considered social sciences at WU and not humanities. WU Humanities electives can be any courses from DCCC HIS, ENG, HUM, PHI. **DPR Courses** Widener University CS 206 CSCI 30A 300 Level Computer Science Technical Elective CS 213 CSCI 30A 300 Level Computer Science Technical Elective CS 214 CSCI 20A 200 Level Computer Science Elective CS 222 CSCI 20A 200 Level Computer Science Elective CS 224 CSCI 311 Mobile App Development (3) CS 234/CS 119 CSCI 30A 300 Level Computer Science Elective CS 236/CS 121 CSCI 371 Computer Graphics (3) CS 238/CS 117 SCCI 175 Intro to Game Design MATH COURSES **DCCC Course** Widener University MATH 11A 100 Level Math Elective (3) MAT 120 MAT 121 MATH 114 Basic Concepts of Probability and Statistics (3) MAT 135 MATH 117 Elementary Functions (3) MAT 136 MATH 118 Elementary Calculus I (3) MAT 151 MATH 11A 100 Level Mathematics Elective (3) MAT 152 MATH 120 Precalculus (4)

Gaming	& Arti	to natics with concentration in Al ficial Intelligence, or Digital V or catalog term Fall 2016 and after First Semester		
Gaming of Eff	& Arti	ficial Intelligence, or Digital V or catalog term Fall 2016 and after	Writing	
DCCC En		or catalog term Fall 2016 and after	r	
		First Semester	Widener University	
English Composition I		First Semester		
English Composition I				
1	3	ENGL 101	Composition and Critical Thought	3
Intro to Information Technology	3	CSCI 101	Introduction to Personal Computers	3
Intro to Computer Science Fundamentals of Game Design Theory and	3	CSCI 151	Introduction to Computer Science I	4
ů ,	3	CSCI 175	Introduction to Game Design	3
Business Precalculus			Elementary Functions	3-4
	15		·	16-17
		Second Semester		
E FIG. 22 HW2 AL AL		T1107 400		
				3
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1		CDCI 373	Outile Design and Programming	3
Programming	3	CSCI 152	Introduction to Computer Science II	4
Math Elective	3-4	MATH course	See list below	3-4
	15 - 16			16-17
		Third Semester	2007	1
Introduction to Computer Game Programming	3	CSCI 30A	300 Level Computer Science Elective	3
Audio and Video for Multimedia	2	COMP 269	INTER ACTIVE MEDIA	3
			200 Level Computer Science	3
Network Communications		CDC1 20D	200 20 to Computer Belefice	
Game Art and Animation or Multimedia Graphics &	3	CSCI 371/ COMS 264	Computer Graphics I / Layout and Design	3
Intermediate Java Programming or Object Oriented	3	CSCI 257/CSCI 20A	Object-Oriented Programming or 200 CS Elective	4-3
	15			15-16
		Fourth Semester		
·	3		Free Elective for DMI /COMS/DMI Concentration Course	3
	4		Sciance Elective	4
				3
Business Communication	3	PRWR 215	Effective Communication	3
Any transferable Diversity and Social Justice (DJ)				
and Global Understanding (GU) designated Social				
Science course	3		Social Science/Humanities Elective	3
m . 1 G . W			m . 10 W	16
Total Credits	61-63		Total Credit	63-67
Science Flectives MATH course				
	HI;			1
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102 are WU DMI curriculum requirements.				
ves can be any courses from DCCC HIS, ENG, HUM	, PHI.	T	1	
Widowou University				
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CSCI 20A 200 Level Computer Science Elective				1
CSCI 311 Mobile App Development (3)				
CSCI 30A 300 Level Computer Science Elective				
				1
CSCI 175 Intro to Game Design				+
-				1
Widener University				1
MATH 11A 100 Level Math Elective (3)			i .	+
MATH 11A 100 Level Math Elective (3) MATH 114 Basic Concepts of Probability and Statis	stics (3)		1
MATH 114 Basic Concepts of Probability and Statis MATH 117 Elementary Functions (3)	stics (3)		
MATH 114 Basic Concepts of Probability and Statis MATH 117 Elementary Functions (3) MATH 118 Elementary Calculus (3)	stics (3			
MATH 114 Basic Concepts of Probability and Statis MATH 117 Elementary Functions (3) MATH 118 Elementary Calculus (3) MATH 11A 100 Level Mathematics Elective (3)	stics (3			
MATH 114 Basic Concepts of Probability and Statis MATH 117 Elementary Functions (3) MATH 118 Elementary Calculus (3)	stics (3			
	English Composition II: Writing About Literature Web Page Dage Dagin and Development Game Creation Development Introduction to C++ or Introduction to Java Programming Math Elective Introduction to Computer Game Programming Audio and Video for Multimedia Network Communicatoins Game Art and Animation or Multimedia Graphics & Intermediate Java Programming or Object Oriented Digital Portfolio Development Any transferable Scientific Inquiry (SI) designated Science course Humanities Ecvive Business Communication Any transferable Diversity and Social Justice (DJ) and Global Understanding (GU) designated Social Science course Total Credits C. Science Electives, MATH course C. Can be any courses from DCCC HIS, ENG, HUM, P. Ctive can be any course from DCCC HIS, ENG, HUM wes can be any course from DCCC HIS, ENG, HUM Widener University CSCI 30A 300 Level Computer Science Technical ECSCI 30A 300 Level Computer Science Elective CSCI 311 Mobile App Development (3)	Business Precalculus 3 15 English Composition II: Writing About Literature 3 Web Page Design and Development 3 Game Creation Development 3 Introduction to C++ or Introduction to Java Programming 3 Math Elective 3-4 Introduction to Computer Game Programming 3 Audio and Video for Multimedia 3 Network Communicatoins 3 Game Art and Animation or Multimedia Graphics & 3 Intermediate Java Programming or Object Oriented 3 Intermediate Java Programming or Object Oriented 3 Digital Portfolio Development 3 Any transferable Scientific Inquiry (SI) designated Science course 4 Humanities elective 3 Business Communication 3 Any transferable Diversity and Social Justice (DJ) and Global Understanding (GU) designated Science course 3 Total Credits 61-63 C, Science Electives, MATH course 16 can be any courses from DCCC HIS, ENG, HUM, PHI; crive can be any courses from DCCC HIS, ENG, HUM, PHI; crive can be any courses from DCCC HIS, ENG, HUM, PHI. COLOR To Computer Science Technical Elective CSCI 30A 300 Level Computer Science Technical Elective CSCI 20A 200 Level Computer Science Elective CSCI 21 Mobile App Development (3) CSCI 30A 300 Level Computer Science Elective CSCI 371 Mobile App Development (3) CSCI 30A 300 Level Computer Science Elective CSCI 371 Computer Graphics (3)	Business Precalculus 15 Second Semester English Composition II: Writing About Literature 3 ENGL 102 Web Page Design and Development 3 COMS 266 Game Creation Development 10 CSCI 375 Introduction to C++ or Introduction to Java Programming 3 CSCI 152 Math Elective 15 - 16 Third Semester Introduction to Computer Game Programming 3 CSCI 30A Audio and Video for Multimedia 3 COMS 368 Network Communications 3 CSCI 20B Game Art and Animation or Multimedia Graphics & 3 CSCI 20B Game Art and Animation or Multimedia Graphics & 3 CSCI 257/CSCI 20A Intermediate Java Programming or Object Oriented CSCI 257/CSCI 20A Seme Art and Animation or Multimedia Graphics & 3 CSCI 257/CSCI 20A Intermediate Java Programming or Object Oriented CSCI 267 Any transferable Scientific Inquiry (SI) designated Science course 4 Humanities elective 3 Business Communication Any transferable Diversity and Social Justice (DJ) and Global Understanding (GU) designated Science course 16 Total Credits 61-63 Total Credits 61-63 Total Credits CSCI 20A 200 Level Computer Science Technical Elective CSCI 30A 300 Level Computer Science Elective CSCI 20A 200 Level Computer Science Elective CSCI 311 Mobile App Development (3) CSCI 371 Computer Graphics (3)	Business Precalculus Second Semester

Delaware County Community College Information Technology, Interactive Multimedia Associate in Applied Science

Gaming & Artificial Intelligence, or Digital Writing					
Effective for catalog term Fall 2016 and after					
DCCC Widener W	iversity				
First Semester First Semester					
ENG 100 English Composition I 3 ENGL 101 Composition and Cri					
CS 100 Intro to Information Technology 3 CSCI 101 Introduction to Perso	1				
CS 101 Intro to Computer Science 3 CSCI 151 Introduction to Comp					
BUS 130 Oral Communication (OC) 3 PRWR 215 Effective Communic					
MAT 135 Business Precalculus 3 MATH 117 Elementary Functions	3				
15	16				
Second Semester Second Semester					
ENG 112 English Composition II: Writing About Literature 3 ENGL 102 Literature and Critical					
NET 110 Network Communications 3 CSCI 20A 200 Level Computer					
IMM 110 Multimedia Graphics and Design 3 COMS 264 Layout and Design	3				
CS 110 or CS 104 Intro to C++ or Intro to Java Programming 3 CSCI 152 Introduction to Comp					
Math Elective 3 - 4 Free Elective for DM	3				
15-16	16				
Third Semester Third Semester	-				
IMM 120 Web Page Design and Development 3 COMS 266 Basic Web Design	3				
	(DMI Concentration course) 3				
CS 210 or Object Oriented C++ or Intermediate Java Programmir					
CS 204 3 CSCI 257 Object-Oriented Prog	ū				
Humanities Elective 3 Humanities Elective	3				
Diversity & Social Justice (DJ)/ Global					
Understanding (GU) 3 Social Science or Hu	-				
16	16				
Fourth Semester Fourth Semester					
CS 241 Mobile Web Development 3 CSCI 30A Computer Science Te					
CS elective See list below 3 See list below for DP					
	OMI Concentartion Course 3				
	OMI/COMS Concentratio, Co 3				
Scientific Inquiry 4 Science Elective	4				
16	16				
Total Credits: 61-63 Total Credits:	64				
Notes: Humanities, Social Science, Science Electives, Math courses					
WU Humanities electives can be any courses from DCCC HIS, ENG, HUM, PHI.					
WU Social science elective can be any course from DCCC PSY, SOC, POL, ADJ.					
ENGL 101 and ENGL 102 are WU DMI curriculum requirements.					
DCCC's COMM courses are considered social sciences at WU and not humanities.					
DDD C					
DPR Courses Widener University CS 206 CSCI 30A 300 Level Computer Science Technical Elective					
CS 213 CSCI 30A 300 Level Computer Science Technical Elective					
CS 214 CSCI 20A 200 Level Computer Science Elective					
CS 224 CSCI 311 Mobile App Development (3)					
CS 234/CS 119 CSCI 30A 300 Level Computer Science Elective					
CS 236/CS 121 CSCI 371 Computer Graphics (3)					
CS 238/CS 117 CSCI 175 Introduction to Game Design					
22 22 22 27 Maddadan to Guille Design					
MATH COURSES					
DCCC Course Widener University					
MAT 120 MATH 11A 100 Level Math Elective					
MAT 121 MATH 114 Basic Concepts of Probability and Statistics (3)					
MAT 135 MATH 117 Elementary Functions					
MAT 136 MATH 118 Elementary Calculus I (4)					
MAT 150 MATH 110 Elementary Catedia's 1 (4) MAT 151 MATH 11A 100 Level Mathematics Elective					
MAT 152 MATH 120 Precalculus (4)					
MAT 160 MATH 141 Calculus I (4)					

Delaware Cou	unty Community College Information Technolo	gv, Com	puter Prog	ramming Associate in Applied Science	
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Widener University Bachel	or of Arts in Digital Media Informatics with a Gaming & Artificial Intelli			, , , , ,	ment,
	Effective for Catalog Ter	m Fall 20	16 and After		
First Semester	DCCC	1	First Seme	Widener University	
ENG 100	English Composition I	3		Composition and Critical Thought	3
CS 100	Intro to Information Technology	3		Introduction to Personal Computers	3
CS 101	Intro to Computer Science	3		Introduction to Computer Science I	4
NET 110	Network Communications	3		200 Level Computer Science	3
MAT 135	Business Precalculus	3		Elementary Functions	3
		15		·	16
Second Semester			Second Se	Second Semester	
	English Composition II: Writing About				
ENG 112	Literature	3		Literature and Critical Writing	3
IMM 120	Web Page Design and Development	3	COMS 26	Basic Web Design	3
CS 110	Introduction to C++	3		100 Level Computer Science Elective	3
CS 104	Intro to Java Programming	3		Introduction to Computer Science II	4
	Math Elective	3 - 4	MATH	See list below	3-4
Third Semester		15-16	Third Sem	ester	16-17
Third Semester			1 nira Sem	ester	
CS 210	Object Oriented C++	3	CSCI 20A	200 Level CS Elective	3
CS/IMM/NET course	object offened C11	3 - 4	CBCI 2011	See list below	3
CS 204	Intermediate Java Programming	3	CSCI 257	Object-Oriented Programming	4
00 20 1			PRWR	object offented Frogramming	
BUS 130	Business Communication	3	215	Effective Communication	3
	Diversity & Social Justice (DJ)/ Global				
	Understanding (GU)	3		Social Science or Humanities	3
		15 - 16			16
Fourth Semester				Fourth Semester	
CS 212	Data Structure and Algorithms	4	CSCI 258	Data Structure and Algorithms	4
CS/IMM/NET Course		3 - 4		See list below	3
CS/IMM/NET Course		3 - 4		See list below	3
	Scientific Inquiry	4		Science Elective	4
	Humanities Elective	3		Humanities Elective	3
	Total Credits:	17 - 19 62-67		Total Credits:	17 65-67
Notes:	Total Credits:	02-07		Total Credits:	05-07
Humanities, Social Science, Science E	lectives MATH courses			-	
	n be any courses from DCCC HIS, ENG, HUM, Pl	HI.		-	
	can be any course from DCCC PSY, SOC, POL, A			-	
	re WU DMI curriculum requirements.				
DPR/IMM/NET COURSES					
DCCC Course	Widener University Co	urses			
CS 206	CSCI 30A 300 Level Computer Science	Technica	al Elective		
CS 214	CSCI 20A 200 Level Computer Science			_	
CS 222	CSCI 20A 200 Level Computer Science			-	
CS 222	CSCI 20A 200 Level Computer Science		1771	-	
CS 241	CSCI 30A 300 Level Computer Science	Technica	II Elective	4	
IMM 100	DMI Free Elective			-	
IMM 201 NET 220	COMS 368 Interactive Media (3)	or DM		-	
NET 230 NET 232	CSCI 100 Level Elective/Free Elective for CSCI 100 Level Elective/Free Elective for CSCI 100 Level Elective for Elective f			1	
1121 232	CSC1 100 Level Elective/14ce Elective II)1 1/1/II		1	
MATH COURSES					
DCCC Course	Widener University Co	urse		1	
MAT 120	MATH 11A 100 Level Math Elective			1	
MAT 121	MATH 114 Basic Concepts of Probabilis	ty and St	atistics (3)]	
MAT 135	MATH 117 Elementary Functions (3)		-]	
MAT 136	MATH 118 Elementary Calculus I (4)			_	
MAT 151	MATH 11A 100 Level Mathematics Ele	ctive		_	
MAT 152	MATH 120 Precalculus (4)			_	
MAT 160	MATH 141 Calculus I (4)			-	
MAT 161	MATH 142 Calculus II (4)				