BACHELOR OF SCIENCE IN COMPUTATIONAL MEDIA - MEDIA-INTERACTION DESIGN

Code	Title	Credit Hours
Wellness		
APPH 1040	Scientific Foundations of Health	2
or APPH 10	The Science of Physical Activity and Health	
or APPH 10	Flourishing: Strategies for Well-being and Resilience	
Core A - Essential Skills		
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1552	Integral Calculus	4
Core B - Institutional Options		
CS 1301	Introduction to Computing [1]	3
Core C - Humanities		
Any HUM		3
Any LMC HUM		3
Core D - Science, Math, & Technology		
Lab Science		8
MATH 1551	Differential Calculus	2
MATH 1554	Linear Algebra [4]	4
or MATH 1554	Linear Algebra with Abstract Vector Spaces	
Core E - Social Sciences		
Select one of the following:		3
HIST 2111	The United States to 1877	
HIST 2112	The United States since 1877	
INTA 1200	American Government in Comparative Perspective	
POL 1101	Government of the United States	
PUBP 3000	American Constitutional Issues	
Any SS		9
Core F - Courses Related to Major		
CS 1331	Introduction to Object Oriented Programming [1]	3
CS 1332	Data Structures and Algorithms for Applications [1]	3
CS 2050	Introduction to Discrete Mathematics for Computer Science [1]	3
CS 2340	Objects and Design [1]	3
LMC 2700	Introduction to Computational Media [1]	3
MATH 2550	Introduction to Multivariable Calculus [4]	2
Major Requirement		
CS 2261	Media Device Architectures	4
CS 4001	Computing, Society, and Professionalism	3
or CS 4726	Privacy, Technology, Policy, and Law	
or SLS 3110	Technology and Sustainable Community Development	
Junior Design Options (Capstone)		
Junior Design Option [1,3]		6
Media Requirements		
CS 3451	Computer Graphics	3
Media Technology (select two): [1]		6
CS 4455	Video Game Design and Programming	
CS 4460	Introduction to Information Visualization	
CS 4464	Computational Journalism	
CS 4475	Computational Photography	
CS 4480	Digital Video Special Effects	
CS 4496	Computer Animation	
CS 4590	Principles and Applications of Computer Audio	
Interaction Design Requirements		
LMC 3710	Principles of Interaction Design [1]	3
LMC 4813	Special Topics (Media/Design Capstone) [1]	3
Design course: [1]		3
LMC 2720	Principles of Visual Design	
LMC 3705	Principles of Information Design	
LMC 4730	Experimental Digital Art	
Design and Culture courses: [1]		9
LMC 2730	Constructing the Moving Image	
LMC 3206	Communication and Culture	
LMC 3314	Technologies of Representation	
LMC 3705	Principles of Information Design	
LMC 4730	Experimental Digital Art	
CM or Media Courses [1]		9
LMC 2400	Introduction to Media Studies	
LMC 2500	Introduction to Film	
LMC 3206	Communication and Culture	
LMC 3314	Technologies of Representation	
LMC 3362	Science, Technology and Performance	
LMC 3406	Video Production	
LMC 3402	Graphic and Visual Design	
LMC 3853	Special Topics in Film	
Any LMC 27XX, 37XX, 47XX, 325X		
Free Electives		
Free Electives		9
Total Credit Hours		**122**

Pass Fail is allowed for courses in core areas C, D, E and Free.

[1] Minimum grade of C required.

[3] Junior Design Options are as follows (students must pick one option and may not change):

- Option 1 - LMC 3432, LMC 3431, CS 3311CS 3311,CS 3312CS 3312.
- Option 2 - ECE VIP courses and LMC 3403LMC 3403.
- Option 3 - Satisfy Georgia Tech Research Option
- Option 4- CS 2701CS 2701 (3 hours), CS 4699CS 4699-I2P (3 hours), LMC 3403 (3 hours) = 9 hours OR CS 4699CS 4699- I2P (6 hours), LMC 3403LMC 3403 (3 hours) = 9 hours

Six credits of the Junior Design option are used as Major Requirements and the overage credits of research/VIP (5 credit hours/2 credit hours) may be used as free electives. Students completing VIP for their junior design requirement will be required to complete at least three semesters of VIP. (VIP 1 + VIP 2 + VIP 3) (for a total of 5 credit hours) + LMC 3403 = 8 hours of VIP credit. Students using CREATE-X for junior design take at least 6 hours of CREATE-X Start-ip Lab and Idea 2 Prototype (I2P) and 3 of the 6 hours must be I2P. Students take these 6 hours with LMC 3403 (3 hours) for a total of 9 hours. Extra three hours for CREATE-X option can be used in free electives.

[4] Two credit hours of MATH 1554 may count along with MATH 2550 to give Area F 18 credit hours.