Integrated Major CS + Design

Name _____   I.D. No._____

Curriculum Sheet (Effective Fall 2024)

First Year

Fall Semester	Credits	Grade	Gen Ed	Spring Semester	Credits	Grade	Gen Ed
ENG 101 English I (College Writing I)	3		W/C	ENG 102 English II (College Writing II)	3		W/C
MTH 181 Calculus I or MTH 148	4		M/QL	MTH 182 Calculus II or MTH 149	4		M/QL
CIS 151 Invitation to Computing	3			ART 242: Intro to Typography	3		
ART 244 Intro to Visual technology	3			CIS 260 Introduction to Programming	4		
ESC 100 or ASC 101 Orientation*	1		INTRO				
Semester Total	14			Semester Total	14		

Second Year

Fall Semester	Credits	Grade	Gen Ed	Spring Semester	Credits	Grade	Gen Ed
CIS 265 Data Structures & Algorithms	4			CIS 340 Systems Programming	3		
ART 346: Human-Centered Graphic design	3			CIS 390 Introduction to Algorithms	3		
ART 347 Intermediate Visual Technology: Web	3			General Elective (300/400 Level)	3		
MTH 220 Intr. to Discrete Mathematics	3			ART 342 Advanced Typography	3		
African American Experience	3		AAE/SS	ESC 282 Engineering Economy**	3		SS
Semester Total	16			Semester Total	15		

Third Year

Fall Semester	Credits	Grade	Gen Ed	Spring Semester	Credits	Grade	Gen Ed
CIS 345 Operating Systems	3			CIS 430 Database Concepts	3		
ART 447 User Experience/User Interface Design (UX/UI)	3			CIS 434 Software Engineering	3		
CIS 424 Comparative Programming Language	3			CIS 454 Data Comm & networking	3		
EEC 414 Technical Communication	2		WAC	ART 348 Intermediate Visual Technology: Motion	3		
Natural Science Elective (Lab)	4		NS	Arts and Humanities Elective	3		A&H
Semester Total	15			Semester Total	15		

Fourth Year

Fall Semester	Credits	Grade	Gen Ed	Spring Semester	Credits	Grade	Gen Ed
ART 343 Data Visualization & Info Design	3			Senior Capstone ART 450 or CIS 492	3		CAP
General Elective (300/400 Level)	3			General Elective (300/400 Level)	3		
General Elective (300/400 Level)	4			General Elective (300/400 Level)	3		
Natural Science Elective	3		NS	PHL 215 Engineering Ethics or PHL 216 Data Ethics	3		WAC
WAC/SPAC Elective	3		WAC	U.S. Diversity	3		DIV/A&H
Semester Total	16			Semester Total	15		
Degree Total hours:			120 credits				

Gen Ed Key:

INTRO = Introduction to University Life Requirement (one course)
W/C = Writing/Composition Requirement (two courses; **C or better** required)
M/QL = Mathematics/Quantitative Literacy Requirement (two courses)
NS = Natural Sciences (two courses, one of which must have a lab)
* ESC 100 is waived for transfer students.
** of the SS and A&H courses focused outside the US, one must be focused on Africa, Latin America, Asia or the Middle East (ALAAME)

SS = Social Sciences Req (2 courses, one of which must be focused outside the US**)
A&H = Arts & Humanities Requirement (2 courses, one must be focused outside the US**)
DIV = Social Diversity Req (2 courses; one US Diversity and one African American Exp.)
WAC/SPAC = Writing/Speaking Across the Curriculum Req (3 courses, one in the major)
CAP = Capstone Requirement