Bachelor of Science in Computer Science and Design

Updated XXX

4-Year Recommended Course Sequence

Click on the Course Name to access the course description in the Undergraduate Catalog 24-25

Fall Semester 1	Spring Semester 2	Fall Semester 3	Spring Semester 4	Fall Semester 5	Spring Semester 6	Fall Semester 7	Spring Semester 8
☆**INQ 170 [3]** Engineering Launch	**ART 242 [3]** Introduction to Typography **(ART 244)**	**CIS 265 [4]** Data Structures & Algorithms **(CIS 260 & MTH 181)**	**ART 342 [3]** Advanced Typography **(ART 244 & ART 242)**	**CIS 345 [3]** Operating Systems **(CIS 265)**	**CIS 430 [3]** Database Concepts **(CIS 265)**	**ART 343 [3]** Data Visualization & Information Design **(ART 244 & ART 242)**	**ART 450 [3]** Senior Capstone **OR** **CIS 492 [3]** Special Topics in Computer Science
CIS 151 [3] Invitation to Computing	**CIS 260 [4]** Introduction to Programming **(CIS 151)**	**ART 346 [3]** Human Centered Graphic Design **(ART 244 & ART 242)**	**CIS 340 [3]** Systems Programming **(CIS 265)**	**CIS 424 [3]** Comparative Program Language **(CIS 265)**	**CIS 434 [3]** Software Engineering **(CIS 265)**	**Global Human Perspectives [3]**	**Complexities of Pluralistic Society [3]**
MTH 148 [3] Math for Business Majors I OR **MTH 181 [4]** Calculus 1	**MTH 149 [4]** Math for Business Majors II **(MTH 165 or MTH 167)** **OR** **MTH 182 [4]** Calculus 2 **(MTH 181)**	**ART 347 [3]** Intermediate Visual Technology-Web **(ART 244)**	**CIS 390 [3]** Introduction to Algorithms **(CIS 265 & MTH 220)**	**CIS 402 [2]** CS Technical Writing **(ENG 102 & CIS 265)**	**CIS 454 [3]** Data Communication & Networking **(CIS 265)**	**Science Inquiry [3]**	**General Elective [3]**
ENG 100 [3] Intensive Writing **or** **ENG 101 [3]** College Writing I	**ENG 102 [3]** College Writing II **(ENG 101)** **OR** **ENG 108 [3]** AI & Writing (Preferred) **(ENG 101)**	**American Civic Literacy Elective [3]**	**PHL 215 [3]** Technology Ethics OR **PHL 216** AI & Data Ethics **HCC Elective**	**ART 447 [3]** User Experience/User Interface Design (UX/UI) **(ART 244 & ART 242)**	**ART 348 [3]** Intermediate Visual Technology-Motion **(ART 244)**	**General Elective [3]**	**General Elective [3]**
ART 244 [3] Introduction to Visual Technology		**MTH 220 [3]** Intro to Discrete Math **(MTH 182)**	**ESC 282 [3]** Engineering Ethics **(MTH 182)**	**Science Inquiry [3]** **Science Investigations [1]**	**Society and Human Behavior Elective [3]**	**General Elective [3]**	**General Elective [3]**
		ESC 130 [3] *** Engineering & Computer Science Career Preparation					
15 or 16 Total Credit Hours	**14 Total Credit Hours**	**17 Total Credit Hours**	**15 Total Credit Hours**	**16 Total Credit Hours**	**15 Total Credit Hours**	**15 Total Credit Hours**	**15 Total Credit Hours**

Total Credits for MET Degree: 120

(Prerequisites) • (*Pre/co-requisite) • [# of Course Credits] • MET XXX = Only Offered That Fall/Spring Semester