College of Basic and Applied Sciences
Upper Division Form 2018-2019 Catalog

Student name _____   Student # _____

Major   **Computer Science**   Minor _____

Concentration   **Professional Computer Science**   E-mail _____

<mark>Instructions: For students graduating in Fall 2018 or later. *One (1) copy signed by major and minor advisors should be filed with the Graduation Analyst in DSB 120 three semesters prior to graduation. An Intent to Graduate form must be submitted with this form.*</mark>

General Education	Course	Semester	Grade	Prerequisites	Credit Hours
COMMUNICATION (9 hours)	**ENGL 1010**			Must earn C- or higher	3
	ENGL 1020			Must earn C- or higher	3
	COMM 2200				3
HISTORY (6 hours) Choose two: HIST 2010, HIST 2020,HIST 2030					3
					3
HUMANITIES AND/OR FINE ARTS (9 hours) Choose one: ENGL 2020, 2030 or HUM 2610. Choose two with different prefixes: ANTH 2210, ART 1030, or 1920, DANC 1000, HIST 1010, 1020, 1110 or 1120, MUS 1030, PHIL 1030, THEA 1030				Literature: ENGL 1010, ENGL 1020	3
					3
					3
MATHEMATICS (3 hours)	**MATH 1910**			MATH 1730 with a C or higher, ACT MATH of 26, Calculus Placement of 73	3 of 4
NATURAL SCIENCES (8 hours) * Choose two (different rubrics): BIOL 1110/1111, CHEM 1010/1011 or 1110/1111, PHYS 2010/2011 or 2110/2111				Note: Choose two different rubrics; a year-long sequence will be continued in supporting courses.	4
					4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two (different rubrics): AAS 2100, ANTH 2010, ECON 2410, ECON 2420, GEOG 2000, GS 2010, HLTH 1530/1531, PS 1010 or PS 1005, PSY 1410, RS 2030, SOC 1010 or 2010, WGST 2100, EMC/JOUR/RIM 1020					3
					3
				Hours Required	41

* See your advisor for other Natural Sciences options

Major Courses - Must have a C (2.0) or better in all major courses	Course	Semester	Grade**	Prerequisites/Notes	Credit Hours
Computer Science Colloquium	**CSCI 1010**				1
Computer Science I	**CSCI 1170**			MATH 1730 with a C or higher, ACT MATH of 26, Calculus Placement of 73	4
Computer Science II	**CSCI 2170**			CSCI 1170 and eligibility for MATH 1910	4
Discrete Structures	**CSCI 3080**			CSCI 1170, MATH 1910	3
Algorithms & Data Structures	**CSCI 3110**			CSCI 2170; co-req CSCI 3080	3
Assembly & Computer Organization	**CSCI 3130**			CSCI 2170	4
Theory of Programming Languages	**CSCI 3210**			CSCI 3110, COMM 2200; Spring only	3
Introduction to Computer Systems	**CSCI 3240**			CSCI 3130	4
Compiler Design and Software Development	**CSCI 4160**			CSCI 3080, CSCI 3110, CSCI 3130; Fall only	3
Software Engineering	**CSCI 4700**			CSCI 3080, CSCI 3110, COMM 2200	3
CSCI High-Level Language				CSCI 3110 or consent of instructor	3
Upper-Division CSCI Elective				See undergraduate catalog	3
Upper-Division CSCI Elective				See undergraduate catalog	3
Upper-Division CSCI Elective				See undergraduate catalog	3
				Hours Required	44

Supporting and Elective Courses				
Course	**Semester**	**Grade**	**Prerequisites/Notes**	**Credit Hours**
Math 1910			MATH 1730 with a C or higher, ACT MATH of 26, Calculus Placement of 73	1 of 4
Math 1920			MATH 1910 with a C or higher	4
Math 2050			MATH 1910 with a C or higher	3
Math elective **(4 hours required)**:			Must be a math course for math majors.	3-4
Math elective:			Must be a math for math majors; take only if first math elective is a 3 hour course	0-1
Science:			Complete a two-part, year-long sequence started in general education natural sciences area. CHEM 1120 requires a C- or better in CHEM 1110	4
PHIL 3170 Ethics and Computing Technology				3
Electives (at least 4 credits must come from 3000/4000 level)				16
			Hours Required	34-36

Minor (optional)				
Course	**Semester**	**Grade**	**Notes**	**Credit Hours**
			Hours Required	

Signed:		
	Minor Advisor	**Date**

1. Degrees require a minimum of 120 semester hours (12 of the last 18 at MTSU) with a 2.0 GPA, a minimum of 42 upper-division hours (30 at
MTSU) with a 2.0 GPA, and a minimum of 60 senior college hours.
2. Learning Support courses do not count toward the 120-hour requirement or cumulative degree GPA.
3. Courses used to fulfill high school deficiencies can only be counted as general elective credit.

Signed:		
	Major Advisor	**Date**