COMPUTER SCIENCE CHECKSHEET

Department of Mathematics and Computer Science

Name:	**Degree**: B.S.	**Date Entered**:
Projected Graduation Date:		**Chairperson**:
Graduation Requirements: 120 Semester Hours		**Advisor**:

MAJOR REQUIREMENTS

COURSE DESCRIPTION	HRS	GRD	Sem/YR
COMPUTER SCIENCE REQUIREMENTS (39-41HRS)			
CPS1000-Ethics in Computer Science	1		
CPS1110-Computer Literacy	2		
CPS1191-Computer Programming I	4		
CPS1192-Computer Programming II	4		
CPS2271-Data Structures	3		
CPS3200- Computer Algorithms	3		
CPS3316-Computer Networks	3		
CPS3320-Database Systems	3		
CPS3340-Computer Architecture	3		
CPS3381-Operating Systems	3		
CPS4210-Artificial Intelligence	3		
CPS4420-Software Engineering	3		
CPS4460-Adv. Topics in Comp. Science	1-3		
CPS4895-Senior Project	3		
TOTAL	39-41		

COURSE DESCRIPTION	HRS	GRD	Sem/YR
COMPUTER SCIENCE ELECTIVES (MIN 6 HRS)			
CPS2215-Internet Web Essentials	3		
CPS2236-Contemporary Op Sys	2		
CPS2300-Cyber Security I	3		
CPS3300-Cyber Security II	3		
CPS3325-Java Programming	3		
CPS3370-Programming Languages	3		
CPS3465-High Performance Computing	3		

COURSE DESCRIPTION	HRS	GRD	Sem/YR
MATHEMATICS REQUIREMENTS (18 HRS)			
MTH2001-Probability & Statistics	3		
MTH2502-Calculus I	4		
MTH2503-Calculus II	5		
MTH3310-Numerical Methods	3		
MTH3610-Discrete Structures	3		
TOTAL:	18		

COURSE DESCRIPTION	HRS	GRD	Sem/YR
INDUSTRIAL TECH REQUIREMENTS (4 HRS)			
INT3520-Digital Systems	4		

COURSE DESCRIPTION	HRS	GRD	Sem/YR
ELECTIVES (TO MEET MIN 120 HRS)			

Computer Science Minor: 24hrs			
CPS 15 hrs: CPS 1000,CPS1191,CPS1192,CPS2271, CPS3200			
MTH 9 hrs: MTH2502,MTH2503			

Information Technology Minor: 23hrs			
CPS 8 hrs: CPS1191,CPS1192; & BUS1500, MIS2253			
ELECTIVES 9 hrs: CPS2215, MIS3371,MIS2252, CPS3325, CPS3316			

GENERAL EDUCATION

COURSE DESCRIPTION	HRS	GRD	Sem/YR
GENERAL EDUCATION REQIRMENTS (min. 39 hrs.)			
MARAUDER FOUNDATION (min. 36 hrs.)			
CORE COURSES (min. 10 hrs.)			
Effective Communication, Critical Thinking			
ENG1100 Intro. to Writing **or**	5		
ENG1101 Intro. College Writing	4		
Quantitative & Scientific Reasoning, Critical Thinking			
MTH1750 College Algebra **or**	3		
STEM Math option	3-5		
Awareness of Role of Social & Cultural Values, Critical Thinking (SCV)			
HIS1110 AfroAm History **or**	3		
HIS1121 Global History I **or**	3		
HIS1122 Global History II **or**	3		
PSY 1200 Intro. to Psychology **or**	3		
SOC 1105 Intro. Sociology	3		

If a course listed above is not used to satisfy the SCV core, it may be counted toward Bridge hours. The student must take at least ONE history course as part of either the Core or Bridge.

COURSE DESCRIPTION	HRS	GRD	Sem/YR
BRIDGE COURSES (min. 26 hrs.)			
Effective Communication, Critical Thinking			
ENG1102 Writing & Res/Essay	4		
Awareness of Role of Social & Cultural Values, Critical Thinking			
List B: 3-6 credits Humanities**			
List C: 3-6 credits Social Science**			
Quantitative & Scientific Reasoning, Critical Thinking			
List D: 6 credits Natural and Physical Sciences			

Additional Cr. Hrs. from List B, C, D or STEM options to meet the minimum combined Core/Bridge hours 36.

THE MARAUDER LIFESTYLE (3 Credits)			
Wellness and Lifestyle Choices 3 Cr. Hrs.			
USS 1000	2		
HHP Activity (1 course from **List A**)	1		

**Six total credits in humanities (List B), including at least 3 credits chosen from His 1110, 1121 or 1122 and six total credits in social science in two disciplines (List C) are required. The six required humanities credits and six required social science credits may be completed through a combination of Core and/or Bridge courses.

Revised 5/2019

(Advisor's Signature)