



Name & UID: _____

Total Program Hours: 120

*** Minimum grade of C required.**

Year One 30 Total Credit Hours (Fall 15, Spring 15)

	Course	Sem.	Grade		Prerequisites
FALL	CS1030 Survey of CS & CEG			1	None
	CS 1180*/1180L Computer Science I			4	MTH 1280 or MPL 40
	ENG 1100* Academic Writing & Reading			3	
	CS 2200*/2200R Discrete Struct & Algorithms or			4	CS1200 or (MTH 1280 or MPL40)
	MTH 2570* Discrete Mth for Comp			4	MTH 1280 or MPL 40
	WSU Core Course			3	Suggested Element Global Traditions History
SPRING	EGR 1900 Exploring Engineering Internships			1	None (Recommended)
	CS 1181*/1181L Computer Science II			4	CS 1180 and (MTH 1280 or MPL 40)
		General Elective		3	
	CEG 2350/2350L Operating System Concepts and Usage			4	CS 1160 or CS 1180 or CEG 2170
	CS 1000 Tech & Society (WSU Core Global Traditions)			3	None

Make Full Major Admission Appointment with your advisor after successfully completing ENG1100, CS1180, CS1181, and MTH2570 or CS2200 with a 2.25 GPA and 24 or more semester hours. Make an admission verification appointment with the Computer Science & Engineering Department (937) 775-5131

Year Two 31 Total Credit Hours (Fall 15, Spring 16)

	Course	Sem.	Grade		Prerequisites
FALL	CEG 3310/3310L* Computer Organization			4	CS 1181 or (CEG2170 and(CEG 3320 or EE2000))
		Natural Science		4	See list on back; suggested course is CS1150
	MTH 2240 Applied Calculus			4	MPL 40 or MTH 1280
	MTH 2280 Business Calculus			4	MPL 40 or MTH 1280
	CEG2400 Introduction to PC Networking			3	CS1150 or CS1160 or CS1180 or CEG2170
SPRING	CS 3100* Data Structures & Algorithms			3	CS1181 and CEG2350 and CEG3310 and (MTH2570 or CS2200)
		Natural Science		4	See list on back
	CS 2800 Web Development I			3	CS 1160 or CS1180 or CEG2170
		WSU Core Course		3	suggested element Social Science
	CS3700 Introduction to Oracle/SQL Databases			3	CS1180 or CS1160 or CEG2170

Year Three 31 Total Credit Hours (Fall 16, Spring 15)

	Course	Sem.	Grade		Prerequisites
SPRING	CEG 4110 Introduction to Software Engineering			3	CS 3100*
	STT1600 Statistical Concepts			4	MPL 30 or DEV0970 or DEV0990
		CS/CEG 2000/3000 level Tech Elective		3	
	CEG 3400 Introduction to Cyber Security			3	CS 1181*
	ENG 2140 Research, Tech Writing & Presentation for Sci & Eng or			3	ENG 1100 or ENG 1110 or ENG 1130 or ENG 1140
	EGR 3350 Technical Comm for Engineers and Comp Sci			3	ENG 1100
		CS/CEG 2000/3000 level Tech Elective		3	
		WSU Core Course		3	suggested element Social Science
		General Elective		3	
		WSU Core Course		3	Suggested Element Arts or Humanities
	CEG 4350 Operating System Internals and Design			3	CS 3100* and CEG 3310*

Make a Senior Check appointment with the department for permission to register for CEG4980 Team Projects I. Apply for Graduation

Year Four

28 Total Credit Hours (Fall 15, Spring 13)

Course		Sem.	Grade		Prerequisites
FALL	CEG3120 Intro to the Design of Information Technology Systems			3	CS1180 or CS1161
	General Elective			3	
	WSU Core Course			3	
	CEG 4430 Cyber Network Security			3	CS 3100*
	CS/CEG 4000 level Tech Elective			3	
	CEG 4424 Security Attacks and Defenses			3	CEG 4350
	CS/CEG 4000 level Tech Elective			3	Cyber Security Analytics Elective - See list below
	General Elective			3	
	General Elective			4	

Consult uAchieve for complete and updated course listings

Wright State Core	Element III	Global Traditions (6 credit hours) One History: CLS1500, HST1100, 1200 and CS1000(IW)
	Element IV	Arts or Humanities (3 credit hours) One Course: ART2140, CLS1600, 2040(IW), ENG2040(IW), 2050(IW,MC), 2310(IW,MC), ML2020(MC), 2040(MC),2050(MC) MP1310, MUS1210, 2140, 2420(IW,MC), 2900(IW,MC), PHL2040(IW), 2050(IW), 2100, REL2040(IW), TH2140, UH2010(IW)
	Element V	Social Science (6 credit hours) Two Courses from Different Disciplines: ATH2200, EC2000(IW)/2040/2050/2500(IW,MC)/2900(IW,MC), FIN2050, PLS2000(MC after F15,IW), 2120(MC),PSY1010(IW), SOC2000(IW, MC after SU15), SW2720(IW,MC), UH2020(IW), WGS1000(MC)/2000(IW,MC)
	Element VI	Natural Science (8 credit hours) ATH2100, BIO1050, 1060, 1070, 1120, 1150, CHM1020, 1050, 1060, 1070(IW), 1210 & 1210L, 1220 & 1220L, CS1150, EES1030, 1050, 1070, 2510. 2550, KHN2500, PHY1050 & 1050L, 1060 & 1060L, 2400 & 2400L, 2410 & 2410L, SM1010(IW)

Cyber Security Analytics Electives Choose one course: CEG 4410, 4420, 4422, 4750, 4426, 4324, 4440. This list is subject to change for most up to date information go to wright.edu/cse and see the Undergraduate Cyber Security Analytics certificate.

Additional Core Courses (7 credit hours)
STT1600 and one additional course from **Element I** COM1010, **Element III** AFS2000(IW,MC),ATH2150(IW,MC), 2500(MC), CLS1500, EC2100, 2500(IW,MC), 2900(IW,MC), ED2100(MC), EES2600(MC), ENG2310(IW,MC), 2320(MC), GEO2210(IW,MC), ML2020(MC), 2030, MUS2420(IW,MC), PPH2000(IW,MC), PLS2510(IW,MC), REL2320(IW,MC), RST2610(IW,MC), 2620(IW,MC), 2710(IW,MC), 2810(IW,MC), 2910(IW,MC), 2920(IW,MC), URS2000(IW,MC), HST100, 1200 **Element IV** ART2140, CLS1600, 2040(IW), ENG2040(IW), 2050(IW,MC), ML2040(MC),2050(MC) MP1310, MUS1210, 2140, 2420(IW,MC), 2900(IW,MC), PHL2040(IW), 2050(IW), 2100, REL2040(IW), TH2140, UH2010(IW), **Element V** ATH2200, EC2000(IW), 2040, 2050, 2500(IW,MC), 2900(IW,MC), FIN2050, PLS2000(MC after F15,IW), 2120(MC),PSY1010(IW), SOC2000(IW, MC after SU15), SW2720(IW,MC), UH2020(IW), WGS1000(MC), 2000(IW,MC), **Element VI** ATH2100, BIO1050, 1060, 1070, 1120, 1150, CHM1020, 1050, 1060, 1070(IW), 1210 & 1210L, 1220 & 1220L, CS1150, EES1030, 1050, 1070, 2510. 2550, KHN2500, PHY1050 & 1050L, 1060 & 1060L, 2400 & 2400L, 2410 & 2410L, SM1010(IW)

Computer Science or Computer Engineering Tech Electives (24 credit hours) 9 credit hours of 2000/3000 level and 15 credit hours of 4000 level classes from CS or CEG

A minimum of two courses must be designated as MC and IW.

Notes

Technical Electives: Some technical electives require additional pre-requisites please check specific course descriptions.

General Elective courses may be any course taken for credit and for a grade. **KNH courses are excluded**

MTH 2570 is the entry level math course for the BA degree program. Prerequisite math courses may be necessary for student with math skills below this level