



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	
<b>FALL</b>	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	
<b>SPRING</b>	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	
<b>FALL</b>	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	
<b>SPRING</b>	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	
<b>SPRING</b>	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
<b>FALL</b>	CEG3120 Intro to the Design of Information Technology Systems			3	CS 1181
	General Elective			3	
	WSU Core Course			3	
	<b>CEG 4430 Cyber Network Security</b>			<b>3</b>	<b>CS 3100*</b>
	CS/CEG 4000 level Tech Elective			3	
	<b>CEG 4424 Security Attacks and Defenses</b>			<b>3</b>	<b>CEG 4350 or CEG 4350 with concurrency or CEG 3400</b>
	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**

<b>Wright State Core</b>	<b>Element III</b>	<b>Global Traditions (6 credit hours)</b> One History: CLS1500, HST1100, 1200 and CS1000(IW)
	<b>Element IV</b>	<b>Arts or Humanities (3 credit hours)</b> 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)
	<b>Element V</b>	<b>Social Science (6 credit hours)</b> 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)
	<b>Element VI</b>	<b>Natural Science (8 credit hours)</b> 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](http://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