Name: UID:

Students are encouraged to talk to their advisor about declaring a minor in this program

First Year	CR	IWMC	Sem	Gr	Title	Fa	Sp	Su
ENG 1100	3.0				English (EA)----------ACT 23 or SAT Verbal 530 or WPL 40	*	a	a
ME 1040	3.0				Engineering Design and Solid Modeling----------	*	a	•
UVC 1010	1.0				First Year Seminar----------	*	a	a
	3.0				WSU Core - Arts/Humanities – History (EC)----------	*	a	a
	3.0				WSU Core - Social and Behavioral Science (ED)----------	*	a	a
CEG 2170 OR					Intro to C Programming for Scientists----------(MTH 1280 or MPL 40), CEG 2170Lc		TBD	
CS 1160 OR	4.0				Intro to Computer Programming----------(MPL 40 or MTH 1280 Minimum Grade of P), CS1160Lc	a	*	•
CS 1180					Computer Science I----------(MPL 40 or MTH 1280), CS1180Lc	a	*	a
MTH 2300	4.0				Calculus I (EB)----------MTH 1350 or MPL 50 or ALEKS 76	a	*	a
PHY 1110	4.0				Principles Physics I n(EE)----------MTH 1280 or WSU MPL 40),PHY 1110 (L),PHY 1110(R)c	a	*	a
PHY 1110L	1.0				Principles Physics I Lab-(EE)----------PHY 1110: PHY 1110(R)c	a	*	a
	3.0				WSU Core - Arts/Humanities – History (EC)----------	a	*	a
Credit Hours Per Semester in the Model Program						**13**	**16**	**0**

Second Year	CR	IWMC	Sem	GR	Title	Fa	Sp	Su
EE 2010					Analog Circuit Theory----------EGR 1010(min grade of C), or MTH 2300 (min grade of C), EE2010Lc	*	a	•
EE 2010L OR	3.0				Analog Circuit Theory Lab----------EGR 1010(min grade of C), or MTH 2300 (min grade of C), EE2010Lc	*	a	•
EE 2011	1.0				Analog Circuit Techniques----------MTH 2240 or EGR 1010(min grade of C),EE 2011Lc	*	a	•
EE 2011L					Analog Circuit Techniques Lab----------EE 2011Lc	*	a	•
ISE 2211(D)	3.0				Statistics for Engineers----------EGR 1010 or MTH 2300	*	a	•
PHY 1120	4.0				Principles of Physics II(EE)----------PHY 1110, PHY 1120Lc	*	a	a
PHY 1120L	1.0				Principles of Physics II lab (EE)----------PHY 1120c	*	a	a
	3.0				General Elective----------	*	a	a
MIS 3000*	3.0				Fundamentals of Information Systems -------Jr Status and permission from RSCOB required to register	a	*	a
	3.0				WSU Core - Social and Behavioral Science (ED)----------	a	*	a
	3.0				General Elective----------	a	*	a
	3.0				General Elective----------	a	*	a
	3.0				General Elective----------	a	*	a
Credit Hours Per Semester in the Model Program						**15**	**14**	**0**

Third Year	CR	IWMC	Sem	Gr	Title	Fa	Sp	Su
ISE 4400(D)	3.0				Engineering Economy----------EGR 1010 or MTH 2300	*	•	•
ISE 4850(D)	3.0				Six Sigma for Engineers----------ISE 2211	*	•	•
ISE 4150(D)	3.0				Advanced Statistics for Engineers----------ISE 2211	*	•	•
ISE 4711(D)	3.0				Optimization Methods----------ISE 2211 and (MTH 2570 or MTH 2300)	*	•	•
EGR 3350 OR					Technical Communications for Engineers and Computer Scientists----------			
ENG 2140 (D)	3.0				Research, Technical Writing and Presentation for Scientists and Engineers----------	*	a	•
ISE 4830(D)	3.0				Engineering Project Management & Applications----------(ISE 2211 or STT 3600)	•	*	•
ISE 4712(D)	4.0				Simulation and Stochastic Models----------ISE 4150, ISE 4712Lc	•	*	•
ISE 4510(D) **OR** ISE 4820)D)	3.0				Computer Applications in ISE----------ISE 4150, CS 1160 Supply Chain Analysis & Design----------ISE 4711	•	*	•
MIS 3810*	3.0				Introduction to Business Data----------MS 3000 and business courses	a	*	•
	3.0				Business Analytics minor elective----------See list on back of guide	a	*	a
Credit Hours Per Semester in the Model Program						**15**	**16**	**0**

Fourth Year	CR	IWMC	Sem	GR	Title	Fa	Sp	Su
ISE 4810(D)	3.0				Production and Service Systems----------ISE 2211, ISE 4711, ISE 4712	*	•	•
ISE 4910(D)	3.0	IW			Senior Design I----------ISE 4320, ISE 4712, EGR 3350	*	•	•
MIS 3820*	3.0				Data Mining for Business----------	*	a	•
MIS 3840*	3.0				Data Visualization for Business----------MIS 3000 Min Gr D, must be Jr or Sr classification	*	a	a
	3.0				Business Analytics minor elective----------See list on back of guide	*	a	a
ISE 4920(D)	3.0	IW			Senior Design II----------ISE 4910	a	*	•
EE 4120	3.0				Industrial Controls & Automation----------(CEG 2170 or ME 1020 or CS 1180 or CS 1160), EE 4120Lc	a	*	•
EE 4120L	1.0				Industrial Controls & Automation lab----------(CEG 2170 or ME 1020 or CS 1180 or CS 1160), EE 4120c	a	*	•
	3.0				General Elective----------	a	*	•
	3.0				General Elective----------	a	*	a
	3.0				Additional Elective----------	a	*	a
	3.0				Additional WSU Core----------	a	*	a
Credit Hours Per Semester in the Model Program						**15**	**16**	**0**

1. ***** Student will need to request permission to register for MIS courses in the BA minor
2. Courses marked with (D) are offered through distance education
3. The minor courses are listed with information we have at the time the guides are printed, but we cannot predict or control course schedule changes for courses in other Colleges.
4. Additional Core Requirements
   Within the 36 credit hours of the Wright State Core students much successfully complete the following:
   - One Global Inquiry (GI) course
   - Two inclusive Excellence (IE) courses
   - One to two Integrated Writing (IW) courses. To meet degree requirements all students much complete a minimum of three IW courses by choosing either (a) one in the Core and two in the major or (b) two in the Core and one in the major.
     Students who do not make choices within the 36 required hours of the Core to fulfill the GI, IE< and IW requirements will take additional Core hours beyond the minimum of 36.
5. Business Analytics Minor: https://catalog.wright.edu/preview_program.php?catoid=25&poid=23035&returnto=1312
6. Guide may be subject to change