

Flowchart for the BS in Electrical Engineering, Version 10-2007

FALL	MATH 155 MATH 126, 128, OR 129	CHEM 115 CHEM 110	ENGR 101 <i>MATH 155</i>	ENGR 199 <i>ENGR 101</i>		ENGL 101	GEC ELECTIVE
SPRING	MATH 156 MATH 155	PHYS 111 >C MATH 155	ENGR 102 ENGR 101			GEC ELECTIVE	GEC ELECTIVE
FALL	MATH 251 MATH 156	PHYS 112 PHYS 111	EE 221 MATH 156 PHYS 111	EE 222 <i>EE221*</i>	CPE 271 MATH 156	CPE 272 <i>CPE 271*</i>	
SPRING	MATH 261 MATH 251	CS 110 # CALC QUALIFIED	EE 223* EE 221/22 PHYS 112 MATH 251	EE224* <i>EE223</i>	EE251* EE221/22 CPE 271 PHYS 112	EE252* <i>EE251</i>	ENGL 102 ENGL 101
FALL	STAT 215 MATH 156	EE 327* EE223 MATH 261	EE 335* EE 223/224 PHYS 112	EE 336* <i>EE335</i>	EE 345* MATH 261 PHYS 112	EE 355* EE 223 EE 251	EE 356* <i>EE 355*</i>
SPRING	EE 329* EE 327 STAT 215	EE 328* <i>EE 329 EE 327</i>	CPE 310 CPE 271 PHYS 112	CPE 311 <i>CPE 310</i>	ENGR SCI ELECTIVE	MATH/SCI ELECTIVE	ECON 201 SOPH STANDING
FALL	EE 480 ENGL 102 CONSENT PENULT. SEMESTER	TECH ELECTIVE	TECH ELECTIVE			ECON 202 ECON 201	GEC ELECTIVE
SPRING	EE 481 EE 480	TECH ELECTIVE	TECH ELECTIVE	TECH ELECTIVE			GEC ELECTIVE

PREREQUISITES ARE IN BOLD.
CO-REQUISITES ARE IN ITALICS.

*Course taught only once per year, in the semester shown.

CS 110 is required for EE majors who first entered CEMR in the fall of 2006 or after.

Any student who first entered WVU in fall 2005 or after is required to complete the General Education Curriculum (GEC). See section X or <http://www.arc.wvu.edu/courses/GEC.html> for complete details.

Any student who first entered WVU prior to fall 2005 is required to complete the Liberal Studies Program (LSP). See Section X or <http://www.arc.wvu.edu/courses/LSP.html> for complete details.

Flowchart for the BS in Computer Engineering, Version 10-2007

FALL	MATH 155 MATH 126, 128, OR 129	CHEM 115 CHEM 110	ENGR 101 <i>MATH 155</i>	ENGR 199 <i>ENGR 101</i>		ENGL 101	GEC ELECTIVE	
SPRING	MATH 156 MATH 155	PHYS 111 >C MATH 155	ENGR 102 ENGR 101			GEC ELECTIVE	GEC ELECTIVE	
FALL	MATH 251 MATH 156	PHYS 112 PHYS 111	EE 221 MATH 156 PHYS 111	EE 222 <i>EE221*</i>	CPE 271 MATH 156	CPE 272 <i>CPE 271*</i>		
SPRING	MATH 261 MATH 251	EE 223* EE 221/22 PHYS 112 MATH 251	EE224* <i>EE223</i>	EE251* EE221 CPE 271 PHYS 112	EE252* <i>EE251</i>	CS 110 CALC QUALIFIED	ENGL 102 ENGL 101	
FALL	EE 327* EE223 MATH 261	CPE 310 CPE 271 PHYS 112	CPE 311 <i>CPE 310</i>	EE 355* EE 223 EE 251	EE 356* <i>EE 355</i>	CS 111 CS 110	MATH 375 MATH 156	
SPRING	STAT 215 MATH 156	CPE 312* CPE 310/311 EE 251/252 CS 350	CPE 313* CPE 310/311 CPE 312			CS 350 CS 111 CPE 271	CS 230 CS 111	ECON 201 SOPH STANDING
FALL	CpE 480 ENGL 102 CONSENT PENULT. SEMESTER	CPE TECH ELECTIVE				CS 450 CS 350	GEC ELECTIVE	ECON 202 ECON 201
SPRING	CpE 481 CpE 480	TECH ELECTIVE	ENGR SCI ELECTIVE				GEC ELECTIVE	

PREREQUISITES ARE IN BOLD.
CO-REQUISITES ARE IN ITALICS.

*Course taught only once per year, in the semester shown.

Any student who first entered WVU in fall 2005 or after is required to complete the General Education Curriculum (GEC). See section X or <http://www.arc.wvu.edu/courses/GEC.html> for complete details.

Any student who first entered WVU prior to fall 2005 is required to complete the Liberal Studies Program (LSP). See Section X or <http://www.arc.wvu.edu/courses/LSP.html> for complete details.

Flowchart for Dual BS Degrees in Electrical and Computer Engineering, Version 10-2007

FALL	MATH 155 MATH 126, 128, OR 129	CHEM 115 CHEM 110	ENGR 101 <i>MATH 155</i>	ENGR 199 <i>ENGR 101</i>		ENGL 101	GEC ELECTIVE	
SPRING	MATH 156 MATH 155	PHYS 111 >C MATH 155	ENGR 102 ENGR 101			GEC ELECTIVE	GEC ELECTIVE	
FALL	MATH 251 MATH 156	PHYS 112 PHYS 111	EE 221 MATH 156 PHYS 111	EE 222 <i>EE221*</i>	CPE 271 MATH 156	CPE 272 <i>CPE 271*</i>	FREE ELECTIVE	
SPRING	MATH 261 MATH 251	EE 223* EE 221/22 PHYS 112 MATH 251	EE224* <i>EE223</i>	EE251* EE221/22 CPE 271 PHYS 112	EE252* <i>EE251</i>	CS 110 CALC QUALIFIED	ENGL 102 ENGL 101	
FALL	STAT 215 MATH 156	EE 327* EE223 MATH 261	MATH 375 MATH 156	CPE 310 CPE 271 PHYS 112	CPE 311 <i>CPE 310</i>	CS 111 CS 110		
SPRING	EE 329* EE 327 STAT 215	EE 328* <i>EE 329 EE 327</i>		CPE 312* CPE 310/311 EE 251/252 CS 350	CPE 313* CPE 310/311 CPE 312	CS 230 CS 111	CS 350 CS 111 CPE 271	ECON 201 SOPH STANDING
FALL	CPE TECH ELECTIVE	EE 335* EE 223/224 PHYS 112	EE 336* <i>EE335</i>	EE 355* EE 223/224 EE 251	EE 356* <i>EE 355</i>	EE 345* MATH 261 PHYS 112	CS 450 CS 350	
SPRING	TECH ELECTIVE	TECH ELECTIVE	CpE 480 ENGL 102 CONSENT PENULT. SEMESTER	ENGR SCI ELECTIVE			GEC ELECTIVE	ECON 202 ECON 201
	TECH ELECTIVE	TECH ELECTIVE	CpE 481 CpE 480	FREE ELECTIVE	FREE ELECTIVE			GEC ELECTIVE
					2			

PREREQUISITES ARE IN BOLD.
CO-REQUISITES ARE IN ITALICS.

*Course taught only once per year, in the semester shown.

Any student who first entered WVU in fall 2005 or after is required to complete the General Education Curriculum (GEC). See section X or <http://www.arc.wvu.edu/courses/GEC.html> for complete details.

Any student who first entered WVU prior to fall 2005 is required to complete the Liberal Studies Program (LSP). See Section X or <http://www.arc.wvu.edu/courses/LSP.html> for complete details.

Flowchart for the BS in Biometric Systems Version 10-2007

FALL	MATH 155 MATH 126, 128, OR 129	BIOL 115*	ENGR 101 <i>MATH 155</i>	ENGR 199 <i>ENGR 101</i>		GEC ELECTIVE	ENGL 101	
SPRING	MATH 156 MATH 155	CS 110 CALC QUALIFIED	PHYS 111 >C MATH 155	CHEM 115 CHEM 110	BIOL 324* BIOL 115 CONSENT			
FALL	MATH 251 MATH 156	CS 111 CS 110	PHYS 112 PHYS 111	EE 221 MATH 156 PHYS 111	EE 222 <i>EE221</i>			
SPRING	MATH 261 MATH 251		STAT 215 MATH 156	EE 223* EE 221/22 PHYS 112 MATH 251	EE224* <i>EE223</i>	CPE 271 MATH 156	CPE 272 <i>CPE 271</i>	ENGL 102 ENGL 101
FALL	BIOM 426* STAT 215, MATH 261, CS 111	CS 350 CS 111 CPE 271	STAT 316* STAT 215	EE 327* EE 223 MATH 261		CPE 310 CPE 271 PHYS 112	CPE 311 <i>CPE 310</i>	
SPRING	MATH 375 MATH 156	EMPH COURSE 1	EMPH COURSE 2	EE 465* EE 327			GEC: POLS 210 PSYC 101 SOCA 101or SOCA 232	
FALL	BIOM 480 ENGL 102 CONSENT PENULT. SEMESTER	EE 425* PHYS 112 JR Rank	CS 465* CS 111 CS 350		ECON 201	GEC ELECTIVE	GEC ELECTIVE	
SPRING	BIOM 481 BIOM 480	EMPH COURSE 3			ECON 202 ECON 201	GEC ELECTIVE		

PREREQUISITES ARE IN BOLD.
CO-REQUISITES ARE IN ITALICS.

*Course taught only once per year, in the semester shown.

Any student who first entered WVU in fall 2005 or after is required to complete the General Education Curriculum (GEC). See section X or <http://www.arc.wvu.edu/courses/GEC.html> for complete details.

Any student who first entered WVU prior to fall 2005 is required to complete the Liberal Studies Program (LSP). See Section X or <http://www.arc.wvu.edu/courses/LSP.html> for complete details.

Flowchart for the Dual BS in Biometric Systems and Computer Engineering, Version 10-2007

FALL	MATH 155 MATH 126, 128, OR 129	BIOL 115*	ENGR 101 <i>MATH 155</i>	ENGR 199 <i>ENGR 101</i>		ENGL 101	GEC ELECTIVE	
SPRING	MATH 156 MATH 155	CHEM 115 CHEM110	ENGR 102 ENGR 101	PHYS 111 >C MATH 155	BIOL 324* BIOL 115 CONSENT			
FALL	MATH 251 MATH 156	CPE 271 MATH 156	CPE 272 <i>CPE 271</i>	PHYS 112 PHYS 111	EE 221 MATH 156 PHYS 111	EE 222 <i>EE221</i>	ENGL 102 ENGL 101	
SPRING	MATH 261 MATH 251	EE251* EE 221/222 CPE 271 PHYS 112	EE252* <i>EE251</i>	STAT 215 MATH 156	EE 223* EE 221/22 PHYS 112 MATH 251	EE224* <i>EE223</i>	CS 110 CALC QUALIFIED	
FALL	EE 327* EE223 MATH261	EE 355* EE 223 EE 251	EE 356* <i>EE 355</i>	STAT 316* STAT 215	CPE 310 CPE 271 PHYS 112	CPE 311 <i>CPE 310</i>	CS 111 CS 110	
SPRING	EE 465* EE 327 MATH 251	CS 230 CS 111 (Emph 1)				ENGR SCI ELECTIVE	GEC ELECTIVE	GEC ELECTIVE
FALL	MATH 375 MATH 156	CS 350 CS 111 CPE 271	BIOM 426 STAT 215, MATH 261, CS 111	EE 425 PHYS 112 JR Rank			GEC: POLS 210 PSYC 101 SOCA 101or SOCA 232	GEC ELECTIVE
SPRING	BIOM 480 ENGL 102 CONSENT PENULT. SEMESTER	CS 450 CS 350 (Emph 2)	CPE 312* CPE 310/311 EE 251/252 CS 350	CPE 313* CPE 310/311 CPE 312	FREE ELECTIVE	FREE ELECTIVE		ECON 201
FALL	BIOM 481 BIOM 480	EMPHASIS COURSE 3**	CS 465 CS 350	CpE TE**	OPTIONAL ELECTIVE**			ECON 202 ECON 201

PREREQUISITES ARE IN BOLD.
CO-REQUISITES ARE IN ITALICS.

*Course taught only once per year, in the semester shown.

**- May be combined under Software emphasis. If this option is exercised, an additional elective must be selected.

Any student who first entered WVU in fall 2005 or after is required to complete the General Education Curriculum (GEC). See section X or <http://www.arc.wvu.edu/courses/GEC.html> for complete details.

Any student who first entered WVU prior to fall 2005 is required to complete the Liberal Studies Program (LSP). See Section X or <http://www.arc.wvu.edu/courses/LSP.html> for complete details.

Flowchart for the Dual BS in Biometric Systems and Electrical Engineering, Version 10-2007

FALL	MATH 155 MATH 126, 128, OR 129	BIOL 115*	ENGR 101 MATH 155	ENGR 199 ENGR 101		ENGL 101	GEC ELECTIVE	
SPRING	MATH 156 MATH 155	CHEM 115 CHEM 110	ENGR 102 ENGR 101	PHYS 111 >C MATH 155	BIOL 324*			
FALL	MATH 251 MATH 156	CPE 271 MATH 156	CPE 272 CPE 271	PHYS 112 PHYS 111	EE 221 MATH 156 PHYS 111	EE 222 EE221*	ENGL 102 ENGL 101	
SPRING	MATH 261 MATH 251	STAT 215 MATH 156	EE251* EE221 CPE 271 PHYS 112	EE252* EE251	EE 223* EE 221/22 PHYS 112 MATH 251	EE224* EE223	CS 110 CALC QUALIFIED	
FALL	EE 327* EE223 MATH261	STAT 316* STAT 215	EE 355* EE 223 EE 251	EE 356* EE 355	CPE 310 CPE 271 PHYS 112	CPE 311 CPE 310	CS 111 CS 110	
SPRING	EE 329* EE 327 STAT 215	EE 328* EE 329* EE 327	MATH 375 MATH 156			ENGR SCI ELECTIVE	CS 350 CS 111 CPE 271	GEC ELECTIVE
FALL	BIOM 426* STAT 215, MATH 261, CS 111	EE 425* PHYS 112 JR Rank	EE 335* EE 223/224 PHYS 112	EE 336* EE335*	EE 345* MATH 261 PHYS 112		GEC ELECTIVE	
SPRING	BIOM 480 ENGL 102 CONSENT PENULT. SEMESTER	EE 465* EE 327	EMPHASIS COURSE 1			GEC ELECTIVE	GEC: POLS 210 PSYC 101 SOCA 101or SOCA 232	ECON 201
FALL	BIOM 481 BIOM 480	EMPHASIS COURSE 2	EMPHASIS COURSE 3	CS 465* CS 350	FREE ELECTIVE			ECON 202 ECON 201

PREREQUISITES ARE IN BOLD.
CO-REQUISITES ARE IN ITALICS.

*Course taught only once per year, in the semester shown.

Any student who first entered WVU in fall 2005 or after is required to complete the General Education Curriculum (GEC). See section X or <http://www.arc.wvu.edu/courses/GEC.html> for complete details.

Any student who first entered WVU prior to fall 2005 is required to complete the Liberal Studies Program (LSP). See Section X or <http://www.arc.wvu.edu/courses/LSP.html> for complete details.

Flowchart for the BS in Computer Science, Arts & Sciences Track, Version 10-2007

FALL	CS 110 CALC QUALIFIED	UNIV 101	MATH 155 MATH 126, 128, OR 129			GEC ELECTIVE	GEC ELECTIVE
SPRING	CS 111 CS 110		MATH 156 MATH 155	ENGL 101		GEC ELECTIVE	GEC ELECTIVE
FALL	CS 210 CS111	CS 220 CS 110 MATH 155	MATH 251 MATH 156	ENGL 102 ENGL 101	LAB SCIENCE 1		
SPRING	CS 230 CS 111	CS 221 CS 220	CPE 271 MATH 156	CPE 272 <i>CPE 271</i>	LAB SCIENCE 2		GEC ELECTIVE
FALL	CS 310 CS 111	CS 350 CS 111 CPE 271	STAT 215 MATH 156	CS 4xx THEORY			GEC ELECTIVE
SPRING	CS 4XX, SYSTEMS	CS 4xx		LAB SCIENCE 3	2xx FREE ELECTIVE		GEC ELECTIVE
FALL	CS 480 ENGL 102 CONSENT PENULT. SEMESTER	CS 4xx APPLIC'N	CS 4xx	1-DISCP ELECTIVE 1	2xx FREE ELECTIVE		
SPRING	CS 481 CS 480		1-DISCP ELECTIVE 2	1-DISCP ELECTIVE 3	2xx FREE ELECTIVE		EXTRA GEC ELECTIVE

PREREQUISITES ARE IN BOLD.

CO-REQUISITES ARE IN ITALICS.

*Course taught only once per year, in the semester shown.

ELECTIVE RULES: Completing any minor satisfies elective distribution requirements. If Level and Discipline requirements overlap, add'l free electives must be chosen to satisfy minimum credit requirements.

Any student who first entered WVU in fall 2005 or after is required to complete the General Education Curriculum (GEC). See section X or <http://www.arc.wvu.edu/courses/GEC.html> for complete details.

Any student who first entered WVU prior to fall 2005 is required to complete the Liberal Studies Program (LSP). See Section X or <http://www.arc.wvu.edu/courses/LSP.html> for complete details.

Flowchart for the BS in Computer Science - CEMR Track, Version 10-2007

FALL	CS 110 CALC QUALIFIED	ENGR 101 <i>MATH 155</i>	ENGR 199 <i>ENGR 101</i>		MATH 155 MATH 126, 128, OR 129	CHEM 115 CHEM 110	ENGL 101	
SPRING	CS 111 CS 110				MATH 156 MATH 155	PHYS 111 >C MATH 155	GEC ELECTIVE	GEC ELECTIVE
FALL	CS 210 CS 111	CS 220 CS 110 MATH 155	CPE 271 MATH 156	CPE 272 <i>CPE 271</i>		PHYS 112 PHYS 111		
SPRING	CS 230 CS 111	CS 221 CS 220 MATH 156	CPE 310 CPE 271 PHYS 112	CPE 311 <i>CPE 310</i>	MATH 251 MATH 156		ENGL 102 ENGL 101	
FALL	CS 310 CS111	CS 350 CS 111 CPE 271			STAT 215 MATH 156		GEC ELECTIVE	GEC ELECTIVE
SPRING	CS 4XX	CS 4XX				1-DISCP ELECTIVE 1	GEC ELECTIVE	GEC ELECTIVE
FALL	CS 480 ENGL 102 CONSENT PENULT. SEMESTER	CS 4XX				1-DISCP ELECTIVE 2	GEC ELECTIVE	EXTRA GEC ELECTIVE
SPRING	CS 481 CS 480	CS 4XX			2xx FREE ELECTIVE	2xx FREE ELECTIVE	2xx FREE ELECTIVE	

PREREQUISITES ARE IN BOLD.

CO-REQUISITES ARE IN ITALICS.

*Course taught only once per year, in the semester shown.

ELECTIVE RULES: Completing any minor satisfies elective distribution requirements. If Level and Discipline requirements overlap, add'l free electives must be chosen to satisfy minimum credit requirements.

Any student who first entered WVU in fall 2005 or after is required to complete the General Education Curriculum (GEC). See section X or <http://www.arc.wvu.edu/courses/GEC.html> for complete details.

Any student who first entered WVU prior to fall 2005 is required to complete the Liberal Studies Program (LSP). See Section X or <http://www.arc.wvu.edu/courses/LSP.html> for complete details.

Flowchart for the Dual BS in CS - CEMR Track and Computer Engineering, Version 10-2007

FALL	CS 110 CALC QUALIFIED	ENGR 101 <i>MATH 155</i>	ENGR 199 <i>ENGR 101</i>		MATH 155 MATH 126, 128, OR 129	CHEM 115 CHEM 110	ENGL 101
SPRING	CS 111 CS 110	ENGR 102 ENGR 101			MATH 156 MATH 155	PHYS 111 >C MATH 155	GEC ELECTIVE
FALL	CS 210 CS 111	CPE 271 MATH 156	CPE 272 <i>CPE 271</i>	EE 221 MATH 156 PHYS 111	EE 222 <i>EE221</i>	MATH 251 MATH 156	PHYS 112 PHYS 111
SPRING	CS 230 CS 111	EE 223* EE 221/22 PHYS 112 MATH 251	EE224* <i>EE223</i>	EE251* EE221 CPE 271 PHYS 112	EE252* <i>EE251</i>	MATH 261 MATH 251	ENGL 102 ENGL 101
FALL	CS 220 CS 110 MATH 155	EE 327* EE223 MATH 261	EE 355* EE 223 EE 251	EE 356* <i>EE 355</i>	CPE 310 CPE 271 PHYS 112	CPE 311 <i>CPE 310</i>	MATH 375 MATH 156
SPRING	CS 221 CS 220 MATH 156	CS 310 CS 111	CS 350 CS 111 CPE 271	CPE 312* CPE 310/311 EE 251/252 <i>CS 350</i>	CPE 313* CPE 310/311 <i>CPE 312</i>	ECON 201	GEC ELECTIVE
FALL	CPE TECH ELECTIVE	CS 4xx	CS 450 CS 350	STAT 215 MATH 156		ECON 202	GEC ELECTIVE
SPRING	CpE 480 ENGL 102 CONSENT PENULT. SEMESTER	CS 4xx	TECH ELECTIVE	ENGR SCI ELECTIVE		GEC ELECTIVE	GEC ELECTIVE
FALL	CpE 481 CpE 480	CS 4xx	FREE ELECTIVE				GEC ELECTIVE

PREREQUISITES ARE IN BOLD.

CO-REQUISITES ARE IN ITALICS.

*Course taught only once per year, in the semester shown.

Any student who first entered WVU in fall 2005 or after is required to complete the General Education Curriculum (GEC). See section X or <http://www.arc.wvu.edu/courses/GEC.html> for complete details.

Any student who first entered WVU prior to fall 2005 is required to complete the Liberal Studies Program (LSP). See Section X or <http://www.arc.wvu.edu/courses/LSP.html> for complete details.