University of Missouri Bachelor of Science in Computer Science Transfer Guide for North Central Missouri College

This plan is intended only as a general guide based on requirements in the 2013-2014 University of Missouri undergraduate catalog. Check the following web sites for current course descriptions, prerequisites, course equivalencies and other specific details about the Mechanical Engineering major:

- 1) College Catalog (http://registrar.missouri.edu)
- 2) Transfer Equivalencies (http://transfercourses.missouri.edu or http://transfer.org)
- 3) General Education (http://generaleducation.missouri.edu)
- 4) Computer Science (http://engineering.missouri.edu/cs/degree-programs/)

Recommendation for Transfer Students - Transfer students interested in the BS in Computer Science are encouraged to take programming courses if available at the community college. Students who transfer to MU without any of the programming courses (CS 1050 and CS 2050) will be at least 3 to 3 ½ years away from graduation at MU.

For more information about the Bachelor of Science in Computer Science, contact the Department of computer Science at 573-884-6342 or WheelerAl@missouri.edu.

University of Missouri		North Central Missouri College	
COURSE	CREDITS	EQUIVALENT COURSE (CREDITS)	
English Exposition and Argumentation (3 credits)			
ENGLSH 1000 Exposition and Argumentation	3	EN 102 English II (3)	
Behavioral & Social Science (9 credits) Courses from at least two	o different	departments.	
State Requirement in Government or History	3	Select state requirement from the general education list.	
Social Science Elective	3	Select <u>social science</u> from the general education list.	
Behavioral Science Elective	3	Select <u>behavioral science</u> from the general education list.	
Humanities/Fine Arts (Option 1 - Conventional Track) (9 credits	Only on	humanities/fine arts track (Conventional or Foreign Language) must be	
completed • Courses from at least two different departments •	A maximu	m of 3 credit hours for skills classes • No foreign language courses may be	
used for this option			
COMMUN 1200 Public Speaking	3	SP 175 Speech Comm (3)	
Humanity 2	3	Calact humanities from the general education list	
Humanity 3	3	Select <u>humanities</u> from the general education list.	
Humanities/Fine Arts (Option 2 - Foreign Language Track) (12 ca	r edits) = Or	ly one humanities/fine arts track (Conventional or Foreign Language) must be	
completed • Minimum of 12 college transcripted hours in a sing	le foreign la	anguage • Satisfies the 2000-level requirement	
Foreign Language 1	5	Select <u>foreign language</u> courses from the general education list. You may	
Foreign Language 2	5	also take a foreign language in the 12-hour format. If you elect this option,	
Foreign Language 3	3	you still must take Comm 1200 Public Speaking to graduate.	
Upper Level General Education (3 credits) At least 3 credit hours	of behavio	ral science, social science or humanity must be at the 2000-level or above.	
Upper-level general education courses may also count toward other g	eneral educa	ition requirements (behavioral sciences, social sciences, or humanities).	
		Select 200/2000-level behavioral science, social science, or humanity	
Upper Level Course	3	Select 200/2000-level behavioral science, social science, or humanity course from the general education list. Level is based upon the community	
Upper Level Course	3		
Upper Level Course Writing Intensive (6 credits)	3	course from the general education list. Level is based upon the community	
	3	course from the general education list. Level is based upon the community	
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Non-Science Electives (9 credits) Courses in business, education, or additional humanities, social, or behavioral sciences beyond what is required in those categories. Not courses in CS, IT Engineering, Math, or Science. Free Electives (4 credits) if needed to reach 126 hours NOTE: Additional free electives may be required if a course transfers with fewer credits than the MU equivalent.	BIO SC, BIOCHM, CHEM, GEOL, or PHYSCS courses	2_5	Select sciences (biology, biochemistry, chemistry, geology) courses beyond		
Courses in business, education, or additional humanities, social, or behavioral sciences beyond what is required in those categories. Not courses in CS, IT Engineering, Math, or Science. Free Electives (4 credits) if needed to reach 126 hours NOTE: Additional free electives may be required if a course transfers with fewer credits than the MU equivalent.	beyond the levels listed above	3-3	the levels listed above from the general education list.		
or behavioral sciences beyond what is required in those 9 Check the <u>transfer equivalency</u> web site for options. categories. Not courses in CS, IT Engineering, Math, or Science. Free Electives (4 credits) if needed to reach 126 hours NOTE: Additional free electives may be required if a course transfers with fewer credits than the MU equivalent	Non-Science Electives (9 credits)				
categories. Not courses in CS, IT Engineering, Math, or Science. Free Electives (4 credits) if needed to reach 126 hours NOTE: Additional free electives may be required if a course transfers with fewer credits than the MU equivalent	Courses in business, education, or additional humanities, social,				
Free Electives (4 credits) if needed to reach 126 hours NOTE: Additional free electives may be required if a course transfers with fewer credits than the MU equivalent	or behavioral sciences beyond what is required in those	9	Check the <u>transfer equivalency</u> web site for options.		
Free Electives (4 credits) if needed to reach 126 hours NOTE: Additional free electives may be required if a course transfers with fewer credits than the MU equivalent					
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Total Hours for Bachelor of Science in Computer Science 126	Total Hours for Bachelor of Science in Computer Science				

General Education Courses North Central Missouri College

North Central Missouri College Course	MU Equivalent	North Central Missouri College Course	<u>MU Equivalent</u>
Behavioral Sciences		<u>SCIENCES</u>	
PY 121 Gen Psychology (3)	PSYCH 1000		
PY 214 Social Psych (3)	PSYCH 2310	Biological Sciences (▲=Lab Course)	
PY 219 Adult Dev & Aging (2)	PSYCH BEH	AG 105 Plant Science (3)	PLNT S 2110
PY 225 Child Psych (3)	PSYCH 2410	▲AG 106 Plant Sci Lab (1)	PLNT_S 2120
PY 226 Adolescent Psych (3)	PSYCH BEH	AG 107 Animal Science (3)	AN SCI 1011
PY 230 Abnormal Psych (3)	PSYCH 2510	▲BI 100 Gen Biology (5)	BIO_SC 1030
PY 233 Human Growth & Dev (3)	PSYCH BEH	▲BI 101 Gen Botany (5)	BIO_SC 1200
PY 245 Adv Gen Psych (3)	PSYCH BEH	▲BI 103 Gen Zoology (5)	BIO_SC 1100
SO 107 Gen Sociology (3)	SOCIOL 1000	▲BI 110 Ecology (5)	BIO_SC BIOL
SO 201 Marriage & the Family (3)		▲BI 240 Human Anatomy (4)	_
30 201 Iviairiage & tile Faililly (3)	SOCIOL 3420		BIO_SC BIOL
Harman Maria		▲BI 241 Human Chemistry (3)	BIO_SC BIOL
Humanities	4 D.T. CAUD. 4 0.2 0	▲BI 242 Human Physiology (4)	BIO_SC BIOL
AR 102 Apprec of the Arts (1-3)	ART GNR 1020	▲BI 243 Microbiology (4)	BIO_SC BIOL
AR 104 Art Appreciation (3)	ART_GNR1020	_	
EN 196 Lit for Children (3)	ENGLSH LIT	Physical Sciences (A=Lab Course, +=Matl	n Reasoning Proficiency)
EN 211 Studies in Literature (3)	ENGLSH 1160	▲CH 107 Intro to Chemistry (4)	CHEM 1100
EN 230 English Lit I (3)	ENGLSH 2200	▲CH 110 Gen Chemistry I (5)	CHEM 1320
EN 240 English Lit II (3)	ENGLSH 2200	▲CH 112 Gen Chemistry II (5)	CHEM 1330
EN 251 World Lit I: Beg to Renaiss (3)	ENGLSH LIT	▲CH 204 Intro Organic Chem (4)	CHEM 2030 & 2130
EN 252 World Lit II: Enlight to Pres (3)	ENGLSH LIT	▲PS 101 Intro Phys Sci (4)	MISC PSCL
EN 261 Amer Lit Before 1865 (3)	ENGLSH 2300	PS 104 Spec Tops in Phys Sci (1-3)	MISC PSC
EN 262 Amer Lit After 1865 (3)	ENGLSH 2300	▲PS 108 Intro to Physics (4)	PHYSCS PSCL
EN 280 Intro to Literature (3)	ENGLSH LIT	+▲PS 185 College Physics I (MRP) (4)	PHYSCS 1210
HU 110 Hum: Pre-Renaiss (3)	MISC HUM	+ ▲PS 186 College Physics II (MRP) (4)	PHYSCS 1220
HU 111 Hum: Renaiss to Pres (3)	MISC HUM	▲PS 210 Gen Physics I (5)	PHYSCS 2750
MU 109 Music Apprec (3)	MUSIC NHUM	▲PS 212 Gen Physics II (5)	PHYSCS 2760
PH 101 Ethics (3)	PHIL 1100	1 3 2 1 2 GCH 1 Hysics II (3)	1111363 2700
PH 102 Intro to Philosophy (3)			
. , , ,	PHIL 1000		
RL 101 Intro to Religion (3)	REL_ST 1100		
RL 110 Intro Old Testament (3)	REL_ST 2500		
RL 131 New Testament Survey (3)	REL_ST 2510		
SP 175 Speech Comm (3)	COMMUN 1200		
TH 111 Intro Theatre (3)	THEATR 1100		
TH 113 Begin Acting (2)	THEATR 1400		
Social Sciences (◆=State Requirement)			
AG 148 Agric Sales	AG EC 2223		
BA 103 Consumer Finance (3)	FINPLN 2183		
EC 223 Agric Econ (3) EC 252 Microeconomics (3)	AG_EC 1041 ECONOM 1014		
EC 253 Macroeconomics (3)	ECONOM 1014 ECONOM 1015		
. ,	GEOG SSC		
GE 106 Intro World Geog (3) HI 101 West Civ to 1700 (3)	HIST 1500		
* *			
HI 102 West Civ Since 1700 (3)	HIST 1510		
◆HI 103 Amer Hist to 1877 (3)	HIST 1100		
◆HI 104 Amer Hist Since 1877 (3)	HIST 1200		
PE 220 Intro to Recreation (3)	P_R_TR 1010		
PL 105 Missouri Constitution (1)	POL_SC SSC		
◆PL 116 State & Local Govt (3)	POL_SC 2100		
◆PL 216 National Government (3)	POL_SC 1100		
SO 210 Social Problems (3)	SOCIOL 3010		
Foreign Language			
FL 100 Elem Spanish I (3)	SPAN 1100A		
FL 101 Elem Spanish II (3)	SPAN 1100B		
FL 110 Elem German (4)	GERMAN 1100A		
FL 111 Elem Germ II (3)	GERMAN 1100B		
FL 120 Elem French I (3)	FRENCH 1100A		
FL 122 Elem French II (3)	FRENCH 1100B		