## Moberly Area Community College — Missouri S&T

Computer Science BS Transfer Guide

Effective as of Fall 2023

Communication Skills and (Take all courses)  L101 Composition I 3 ENGLISH 1120 Exposition and Argumentation  K 101 Public Speaking 3 ENGLISH 1160 Writing and Research  K 101 Public Speaking 3 ENGLISH 1185 Principles of Speech  Total Hours 9 Total House  Computer Science, Mathematics, and Science (Take all courses)  C125 oror Object Oriented Programming I or  243 or Object-Oriented Programming II: Java or  244 or Object Oriented Programming: C# or  244 or Object Oriented Programming: C# or  247 or Python Programming II'  CS 1500 or Computational Problem Solving (preferred) or  CS 1500 or Computational Problem Solvi	3
L 102 Composition II R 101 Public Speaking 3 ENGLISH 1160 Writing and Research Frinciples of Speech  Total Hours 9 Total Frinciples of Speech  Total Hours 18 SPMS 1185 Principles of Speech Track 18 Speech Principles of Speech Track 18 SpMS 1185 Principles of Speech Track 18 S	3 3 Hours 9
Total Hours 9 Total Hours 9 Total Hours 9 Total Hours 1 Total Hours 9 Total Hours 1 Total Hours 1 Total Hours 1 Total Hours 1 Total Hours 2 Total Hours 1 Total Hours 2 Total Hours 1 Total Hours 2 To	3 Hours 9
Total Hours 9  Computer Science, Mathematics, and Science (Take all courses)  Computer Science, Mathematics, and Science (Take all courses)  Computer Science, Mathematics, and Science (Take all courses)  Computational Problem Solving (preferred) or Intro to Programming II*  Computational Problem Solving (preferred) or Computational Problem Solving (preferred) or Intro to Programming Methodology and Lab*  Computational Problem Solving (preferred) or Computational Prob	Hours 9
Computer Science, Mathematics, and Science (Take all courses)  2 125 oror Object Oriented Programming I or CS 1500 or Computational Problem Solving (preferred) or C9 243 or Object Oriented Programming II: Java or CS 1500 or Computational Problem Solving (preferred) or C9 244 or Object Oriented Programming : C# or CS 1500 or Computational Problem Solving (preferred) or C9 247 or Python Programming or CS 1500 or Computational Problem Solving (preferred) or C9 220* Programming II* CS 1971,1981* Intro to Programming Methodology and Lab*  14 201 Analytic Geometry and Calculus I S MATH 1214 Calculus I  15 MATH 1215 Calculus I  16 202 Analytic Geometry and Calculus II S MATH 1215 Calculus II  17 201 Engineering Physics I S PHYSICS 1135 Engineering Physics I  18 202 Engineering Physics II S PHYSICS 2135 Engineering Physics II  19 202 Engineering Physics II S PHYSICS 2135 Engineering Physics II  20 1010 or General Chemistry I (5) or BIO SCI 1113, 1219 or General Chemistry I (4) and Lab (1) or General Biology (4) or BIO SCI 1113, 1219 or BIO SCI 1113, 1219 or General Biology (3) and Lab (1) or General Biology (5) or BIO SCI 2353, 2359 o	3
CS 1500 or Computational Problem Solving (preferred) or Intro to Programming Methodology and Lab*  "CS 1500 or Computational Problem Solving (preferred) or CS 1500 or CS 1	
CS 244 or Object Oriented Programming: C# or Python Programming or Programming or Programming or Programming II*  E 220* Programming III*  E 201 Analytic Geometry and Calculus I  H 202 Analytic Geometry and Calculus II  F 201 Engineering Physics I  F 202 Engineering Physics II  F 202 Engineering Physics II  F 203 Engineering Physics II  F 204 General Chemistry I (5) or Diology (4) or General Biology (4) or General Biology (5) or BiO SCI 1223, 1229 or Diology (5) or BiO SCI 12383, 2389  F 204 Engineering Physics II  F 205 General Biology (5)  F 207 Fotal Hours  F 208 Total Hours  F 209 Formulational Problem Solving (preferred) or Computational Problem Solving (preferred) or Intro to Programming III  S 1500 or Programming III  MATH 1214  Calculus I  PHYSICS 1135  Engineering Physics I  S 2 Engineering Physics I  General Chemistry I (4) and Lab (1) or General Biology (3) and Lab (1) or BiO SCI 1113, 1219 or BiO SCI 1123, 1229 or BiO SCI 1223, 1229 or BiO SCI 2353, 2359 or Dio Sci 2353, 2359 or BiO SCI 2383, 2389  F 200 SCI 2383, 2389	
2 247 or Python Programming or Programming or Programming II*  2 220*  Python Programming III*  2 250*  Programming III*  2 250*  Programming III*  2 25 1500 or CS 1971,1981*  MATH 1214  Calculus I  MATH 1215  Calculus II  MATH 1215  Calculus II  MATH 1215  Calculus II  MATH 1215  PHYSICS 1135  PHYSICS 1135  PHYSICS 2135	
Programming II*  CS 1971,1981*  Intro to Programming Methodology and Lab*  *CS 1500 is preferred: CS 1971,1981 will be accepted in lieu of CS 150 necessary.  H 201  Analytic Geometry and Calculus I  H 202  Analytic Geometry and Calculus II  F 201  Engineering Physics I  F 202  Engineering Physics I  F 202  Engineering Physics II  F 203  Engineering Physics II  F 204  Engineering Physics II  F 205  Engineering Physics II  F 206  Engineering Physics II  F 215  Engineering Physics II  F 216  Engineering Physics II  F 217  Engineering Physics II  F 218  Engineering Physics II  F 219  Engineering Physics II  F 210  Engineering Physics II  F 210  Engineering Physics II  F 210  Engineering Physics II  Engineering Physics II  F 210  Engineering Physics II  F 210  Engineering Physics II  F 210  Engineering Physics II  Engineering Physics II  Engineering Physics II  F 210  Engineering Physics II  Engineering Physics I  Engineering Physics II  Engineering Physics I  Engineerin	
*CS 1500 is preferred; CS 1971,1981 will be accepted in lieu of CS 150 necessary.  H 201 Analytic Geometry and Calculus I 5 MATH 1214 Calculus I H 202 Analytic Geometry and Calculus II 5 MATH 1215 Calculus II Y 201 Engineering Physics I 5 PHYSICS 1135 Engineering Physics I Y 202 Engineering Physics II 5 PHYSICS 2135 Engineering Physics II Y 121 or General Chemistry I (5) or CHEM 1310, 1319 or General Chemistry I (4) and Lab (1) or Biology (4) or BIO SCI 1113, 1219 or BIO SCI 1113, 1219 or General Biology (3) and Lab (1) or BIO SCI 1223, 1229 or BIO SCI 1223, 1229 or BIO SCI 2353, 2359 or BIO SCI 2383, 2389 Plant Biology (3) and Lab (1) or Satisfies science lecture/lab requirement.	
H 201 Analytic Geometry and Calculus I H 202 Analytic Geometry and Calculus II S MATH 1214 Calculus II	JO if
H 202	4
Y 201         Engineering Physics I         5         PHYSICS 1135         Engineering Physics I           Y 202         Engineering Physics II         5         PHYSICS 2135         Engineering Physics II           Y 121 or General Chemistry I (5) or D 101 or	4
Y 202         Engineering Physics II         5         PHYSICS 2135         Engineering Physics II           Y 121 or         General Chemistry I (5) or         CHEM 1310, 1319 or         General Chemistry I (4) and Lab (1) or           D 101 or         Biology (4) or         BIO SCI 1113, 1219 or         General Biology (3) and Lab (1) or           D 150 or         General Zoology (5) or         BIO SCI 2233, 1229 or         Biodiversity (3) and Lab (1) or           D 151         Introductory Plant Biology (5)         BIO SCI 2383, 2389         Plant Biology (3) and Lab (1)           Total Hours         27         Total Hours         Total Hours	4
Y 121 or General Chemistry I (5) or CHEM 1310, 1319 or Biology (4) or Biology (4) or General Biology for Majors II (4) or General Biology (5) or General Zoology (5) or Biology (5) or Biology (6) or Biology (7) or Biology (8) and Lab (1) or	4
Dido or Biology (4) or Biology (5) or Biology (5) or Biology (5) or Biology (6) or Biology (7) and Lab (1) or Biology (8) and Lab	
Description of General Biology for Majors II (4) or General Biology (5) or General Zoology (5) or BIO SCI 2235, 2359 or Distribution of Sci 2353, 2359 or Distribution of Sci 2353, 2359 or BIO SCI 2383, 2389 Flant Biology (3) and Lab (1) or Zoology (3) and Lab (1)	
D 150 or General Zoology (5) or BIO SCI 2353, 2359 or BIO SCI 2383, 2389 Plant Biology (3) and Lab (1) or Plant Biology (5) BIO SCI 2383, 2389 Plant Biology (3) and Lab (1) Satisfies science lecture/lab requirement.	
Satisfies science lecture/lab requirement.  Total Hours 27 Total H	4
Total Hours 27 Total H	
100 111	Hours 23
=nointeenno/Strientee =iechves	louis 25
Select up to 6 hours in engineering/science electives not already used to satisfy another degree requirement. See A	nnroved
Science and Engineering Electives at https://cs.mst.edu/undergraduate-degree/	pproved
H 203 or Analytic Geometry and Calculus III (5) or MATH 2222 or Calculus III or	
H 250 Differential Equations (3) MATH 3304 Elementary Differential Equations	
Or other math 2000-level or higher or  Or other math 2000-level or higher or	3
Any statistics 4000-level or higher  Any statistics 4000-level or higher	
Statics	
N 201 Statics 3 CIV ENG 2200 Or other course with the equivalent of a Missouri S&	Т 3
engineering designation.	
Any biology, chemistry, geology, or environmental science.  Any biology, chemistry, geology, or environmental science.	3
Any physics excluding the equivalent of S&T PHYS	2111
2111, 2119, 2135, and 2145.	3
Total Hours 6 Total F	Hours 6
Social Sciences (Select 9 credit hours to include one course to satisfy state requirement)	
T 102 or Western Civilization II or HISTORY 1200 or Modern Western Civilization or	
T 105 or American History to 1865 or HISTORY 1300 or American History to 1877 or	
T 106 or American History fromn 1865 or 3 HISTORY 1310 or American History Since 1877 or	3
C 105 Intro to American Government (At least one of these courses is required to satisfy state requirement)  American Government (At least one of these courses is required to satisfy state requirement)	
(At least one of these courses is required to satisfy state requirement)  (At least one of these courses is required to satisfy state requirement)	
N 102 or Microeconomics or ECON 1100 or Principles of Microeconomics or	3
N 101 Macroeconomics (or upper-level economics)	
Y 101 General Psychology 3 PSYCH 1101 General Psychology (or upper-level psychology)	3
Financial Accounting C 101 Elementary Accounting I 3 BUS 1210 (or other approved business course; see Social Sciences Approved Ele	ctives 3
at https://cs.mst.edu/undergraduate-degree/)	50.00
Other economics, history, political science, Other economics, history, political science, psycholo	av.
psychology, business elective from the Social Sciences Approved	
Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/ Electives at https://cs.mst.edu/undergraduate-degree/	<del>)</del> /
Total Hours 9 Total F	Hours 9
Humanities and Ethics	
(Select one humanities and one ethics course)	
1150 Intro to Philosophy 3 PHILOS 1105 Self and World: Intro to Philosophy	3
L 160 Intro to Film Studies 3 ART 1185 Study of Film	3
IS 101 or Fundamentals of Music or  Music Understanding and Appreciation  Music Understanding and Appreciation	3
S 102 Music Appreciation	
M 120 Theatre Appreciation 3 THEATRE 1190 Theatre via Video L 150 or English Literature Survey to 1750 or ENGLISH 1211 or British Literature I: The Beginnings to 1800 or	3
L 130 or English Literature Survey to 1750 or ENGLISH 1211 or British Literature : The Beginnings to 1800 or ENGLISH 1221 or American Literature: 1600 to 1865 or	
L 210 or A Survey of World Literature I or 3 ENGLISH 1221 or World Literature I or	3
L 255 or Women's Literature or ENGLISH 2242 or Literature by Women or	
L 125 African-American Literature ENGLISH 2245 African American Literature	
reign Language Any foreign language Foreign Language Any foreign language	3
Other humanities elective from the list of approved courses.  Other humanities elective from the list of approved courses.	3
Courses.  Total Hours 6 Courses.	Hours 6
Additional Degree Requirements	
Additional Degree Regulientents	
Select additional courses to total up to the maximum transfer credit hours shown below.	8
Select additional courses to total up to the maximum transfer credit hours shown below.  Maximum Free Electives  8 Maximum Free Electives	20
Select additional courses to total up to the maximum transfer credit hours shown below.  Maximum Free Electives  Maximum credit hours to be transferred to Missouri S&T degree requirements.	68
Select additional courses to total up to the maximum transfer credit hours shown below.  Maximum Free Electives  8 Maximum Free Electives	68

This transfer guide is published by Missouri University of Science and Technology and is in effect as of Fall 2023. Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.