

Course Equivalency
College of Science and Engineering - University of Minnesota

1/29/2021

Last Bulletin Reviewed: 2019-2020

North Hennepin CC

Twin Cities, U of M

Numbers in parenthesis () with a "q" are discontinued quarter system courses

Semester System Beginning Fall 1998

Chemistry

CHEM 1000	Chemistry & Society	4	Transfers	4
	Above has a lab			
1010	Intro Chemistry	4	CHEM 1015/1017	4
1020	(old)	4	No equiv. not to CSE	4
1030	Intro Physical Science	4	Transfers	4
1061	Prin. Chemistry I	4	1061/1065	4
1062	Prin. Chemistry II	4	1062/1066	4
2061	Organic Chemistry I	5	2301	5
2062	Organic Chemistry II	5	2302	5
	CHEM 2061 + 2062 together equal CHEM 2301, 2302 & 2311			
2073	Intro INSTRU Analysis	4	2101/2111	4

Computer Information Systems

<u>CIS</u> 1000	Elect Keyboard Comm	3	No equiv. not to CSE	
1101	Business Cptr Sys I	3	Transfers	3
1102	Business Cptr Sys II	3	Transfers	3
1200	Word Processing	3	No equiv. not to CSE	
1210	Desktop Publishing	3	Transfers	3
1220	Business Decision Make	3	No equiv. not to CSE	
1230	Business Presentations	3	No equiv. not to CSE	
1240	Info Management Access	3	Transfers	3
1250	Photoshop Essentials	3	No equiv. not to CSE	
1260	Business Communication	3	No equiv. not to CSE	
1300	Intro to Internet	1	No equiv. not to CSE	
1310	The Whole Internet	3	Transfers	3
1320	Web Tools	2	No equiv. not to CSE	
1400	Windows/Op Systems	3	No equiv. not to CSE	
1500	Develop Computer			
	Keyboard Skills	1	No equiv. not to CSE	
1510	Intro Cptrs/Basic Word	1	No equiv. not to CSE	
1520	Spreadsheets	1	No equiv. not to CSE	
1530	Business Graphics	1	No equiv. not to CSE	
1990	CIS Special Topics	v	No equiv. not to CSE	
2310	Intro E-Commerce	3	Transfers	3
2400	Intro Computer			
	Network (old)	3	Transfers	3

Computer Science

<u>CSCI</u> 1000	Computer Basics	3	Transfers	3
<u>CSCI</u> 1010	Computers & Society (old)	3	Transfers	3
1020	Begin Web Page Program	1	Transfers	1
1025	Responsive Web Design	1	Transfers	1
1030	Program for Internet	3	Transfers	3
1035	Computer Programming w/Games	4	Transfers	4
1040	Beginning MS SQL	3	Transfers	3
1050	Computer Security Basics	3	Transfers	3
1090	Visual BASIC (old)	4	Transfers	4
1091	ADV Visual BASIC (old)	4	Transfers	4
1110	Pascal (old)	4	Transfers (CSCI 3102q)	4
1120	Programming C/C++ From fall 2012	4	CSCI 1113	4
1120	Programming in C (old)	4	Transfers (CSCI 3113q)	4
1130	Computer Program Java	4	1103	4
1150	Programming in C#	4	1109	4
1160	Web Programming in ASP.NET (old)	4	Transfers	4
1170	FORTRAN (old)	3	1107	3
1180	LINUX Operating Sys	4	No equiv. not to CSE	
1190	C++ Programming (old)	4	1113	4
1990	CSCI Special Topics	4	Transfers	4
2001	Structure of Computer Program I (Java)	4	1103	4
2002	Structure of Computer Program II (Java)	4	1933	4
2010	Discrete Math Structure	4	2011	4
2011	Python	1	Transfers	1
	CSCI 2001 + 2011 together equal CSCI 1133			
2020	Mach Arch Org	4	2021	4
2030	Database Management	4	Transfers	4
2050	Internship	3	No equiv. not to CSE	
2060	Web Programming in ASP.NET	4	Transfers	4
2100	Android App Development	4	Transfers	4
2400	Objective-C for Mobile Programming	4	Transfers	4
2500	Intro Mobile Programming in iOS	4	Transfers	4

Engineering

ENGR 1000	Intro to Engineering	3	Transfers	3
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1000 (old)	2	Transfers	2
1200 Engineering Graphics	3	Transfers	2
ENGR 1000 + 1200 together equal ME 2011 for Mechanical Engineering majors			
1300 (old)	4	AEM 2011	4
2300 (old)	4	2012, 3031	4
Some of the material for 3031 is included in ENGR 1300. Students must take 1300 & 2300 to get the equivalent of AEM 2011, 2012, and 3031. AEM 2011 & 2012 together equals AEM 2021 for Mechanical Engineering majors			
ENGR 2301 Statics	3	AEM 2011	3
2302 Mechanics of Materials	3	AEM 3031	3
2303 Dynamics	3	AEM 2012	3
ENGR 2301 + 2303 together equal AEM 2021 for Mechanical Engineering majors			
2501 Circuit Analysis I	4	Transfers (EE 3009q)	4
2502 (old)	4	Transfers (EE 3010q)	4
2511 Circuit Ana I Lab	1	Transfers (EE 1400q)	1
2512 (old)	1	Transfers	1

Geology

GEOL 1010 Glacial Geology (old)	2	Transfers	2
1020 Volcanic/Plutonic/ Meta (old)	2	Transfers	2
Above course half of ESCI 1004			
1030 Fluvial Geology (old)	2	Transfers	2
1040 Caves, Karst, Seaways (old)	2	Transfers	2
1110 Physical Geology (old)	4	ESCI 1001	4
1120 Historical Geology (old)	4	1002	4
1130 Rocky Mountain Field Study (old)	3	Transfers	3
1150 BWCA Field Geology (old)	4	3890	4
1160 Global Environmental Field Study (old)	4	3005	4
1850 Oceanography (old)	3	1006 LEC	3
1851 Oceanography Lab (old)	1	1006 Lab	1

Mathematics

MATH 0700 Basic Math	1	No equiv. not to CSE	
0800 Pre-Algebra	3	No equiv. not to CSE	
0800 Computational Math (old)	3	No equiv. not to CSE	
0801 Math Foundation	1	No equiv. not to CSE	
0900 Math Literacy	5	No equiv. not to CSE	
0901 Intro to Algebra	4	PSTL 0721 not to CSE	
0902 Intermediate Algebra	4	PSTL 0731 not to CSE	
0903 Pre College Algebra (old)	5	PSTL 0721, 0731 not to CSE	

	0970	Bridge to College			
		Algebra	2	No equiv. not to CSE	
	0990	STATWAY Statistics I	V	Transfers	V
	1010	Survey of Math	3	MATH 1001	3
	1031	Math Elementary Ed I	3	MTHE 3101	3
	1032	Math Elementary Ed II	3	MTHE 3102	3
	1060	(old)	2	No equiv. not to CSE	
	1080	(old)	3	No equiv. not to CSE	
MATH	1090	STATWAY Statistics II	4	Transfers	4
		MATH 0990 + 1090 together equal STAT 3011			
	1130	Elementary Statistics	3	STAT 3011	3
	1140	Finite Math	3	MATH 1131	3
	1150	College Algebra	3	1051	3
	1160	(old)	3	1151	3
	1170	Trigonometry	4	1151	4
	1180	Pre-Calculus	5	1155	5
	1190	(old)	5	1155	5
	1200	Calculus Survey	3	1142	3
	1210	Applied Statistics	4	STAT <u>3011</u>	4
	1221	Calculus I	5	MATH 1271	5
	1222	Calculus II	5	1272	5
	2000	Discrete Math	4	CSCI 2011	4
	2010	Probability & Statistics	3	STAT 3021	3
	2220	Calculus III	5	MATH 2263	5
	2300	Linear Algebra	3	2142	4
	2400	Differential Equation	3	2066	3
		MATH 2300 + 2400 together equal MATH 2243			

Natural Science

NSCI	1000	Conceptual Physics	4	PSTL 1163	4
	1010	Science of Disasters	1	Transfers	1
	1020	Science of Disasters	1	Transfers	1
	1030	Science of Disasters	1	Transfers	1
		NSCI 1010 + 1020 + 1030 together equal ESCI 3003			
	1050	Astronomy	4	AST 1001	4
	1060	Solar System	3	Transfers	3
	1061	Solar System Lab	1	Transfers	1
	1070	Concepts Stars/Universe	3	AST	1001
LEC	3				
	1071	Stars/Universe Lab	1	AST 1001 Lab	1
	1100	Physical Geology	4	ESCI 1001	4
	1110	Minnesota's Natural			
		History	4	Transfers	4
	1140	Historical Geology	4	ESCI 1002	4
	1170	Minnesota Field Geology	2	Transfers	2
	1180	Minnesota Field Geology	2	Transfers	2
	1190	Minnesota Field Geology	2	Transfers	2
	1200	Oceanography	3	ESCI 1006 LEC	3

	1201	Oceanography Lab	1	1006	Lab	1
<u>Physics</u>						
PHYS	1000	Conceptual Phys	4	PSTL	1163	4
	1030	Intro Physical Science	4	Transfers		4
	1050	Astronomy	4	AST	1001	4
	1060	Solar System	3	Transfers		3
	1061	Solar System Lab	1	Transfers		1
	1070	Concepts Stars/Universe	3	AST		1001
LEC	3					
	1071	Stars/Universe Lab	1	AST	1001 Lab	1
	1120	Meteorology	4	ESPM	1425	4
	1140	Energy Aspects	3	PHYS	1001	3
PHYS	1201	Prin. of Physics I	5	PHYS	1101	5
	1202	Prin. of Physics II	5		1102	5
	1220	Allied Health Physics	2	Transfers		2
	1231	Prin. of Physics I	4		1101W	4
	1400	Solar System (old)	3	AST	1001 LEC	3
	1410	Solar System Lab (old)	1		1001 Lab	1
	1450	Con Stars & Universe (old)	3		1001 LEC	3
	1460	Stars & Universe Lab (old)	1		1001 Lab	1
	1501	Gen Physics I (old)	5	PHYS	1301 LEC	5
	1502	Gen Physics II (old)	5		1302 LEC	5
	1511	Gen Physics Lab I (old)	1		1301 Lab	1
	1512	Gen Physics Lab II (old)	1		1302 Lab	1
Fall 1998 (for PHYS 1502/1512) and in fall 2001 (for PHYS 1501/1511)						
	1601	General Physics I	5		1301	5
	1602	General Physics II	5		1302	5

Quarter System Discontinued Spring 1998

Architectural Technology

AT	120		3	Transfers		2
	121		3	Transfers (Arch 3061q)		2
	122		3	Transfers (Arch 3062q)		2
	140		3	Transfers		2
	141		3	Transfers (Arch 1021q)		2
	142		3	Transfers (Arch 1022q)		2
	220		3	Transfers		2
	221		3	Transfers (Arch 3064q)		2
	222		4	Transfers (Arch 3065q)		2.67
	250		2	Transfers (Arch 1041q)		1.33

Chemistry

CHEM 101	5	Transfers	3.33
109	5	CHEM 1061/1065	3.33
110	5	1062/1066	3.33
141	5	2101/2111	3.33
261	5	Transfers	3.33
262	5	2301	3.33
		CHEM 261 + 262 together equal CHEM 2301	
263	3	2302	2
		CHEM 261 + 262 + 263 together equal CHEM 2301, 2302 & 2311	

Computer Science

<u>CSCI</u> 100 BASIC	4	Transfers	2.67
101 Pascal	4	Transfers (CSCI 3102q)	2.67
101 from F'88 Pascal	5	Transfers (CSCI 3102q)	3.33
102 FORTRAN	4	CSCI 1107	2.67
102 from F'92 C	4	Transfers (CSCI 3113q)	2.67
105	2	Transfers	1.33
CSCI 110	5	Transfers	3.33
111	4	Transfers	2.67
115	3	Transfers	2
116	3	Transfers	2
120	4	Transfers	2.67
130 FORTRAN	4	CSCI 1107	2.67
139	1	Transfers	.67
201 Pascal	4	Transfers (CSCI 3102q)	2.67
202 FORTRAN	4	1107	2.67
207	5	Transfers	3.33
240	5	2011	3.33
250	4	2021	2.67
260	4	1933	2.67

Engineering

ENGR 125	4	Transfers	2.67
135	4	AEM 2011	2.67
136	4	AEM 2012	2.67
137	4	AEM 3031	2.67
210	5	EE 3005/3006	3.33
241	5	Trans (EE 3009q/1400q)	3.33
241 After Fall 1987	5	Transfers (EE 3009q)	3.33
242	5	Transfers (EE 3010q)	3.33
243	1	Transfers (EE 1400q)	.67
244	1	Transfers	.67

Geology

GEOLOGY 101	5	ESCI 1001	3.33
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Mathematics

MATH 090	5	PSTL 0721 not to CSE	3.33
095	5	PSTL 0731 not to CSE	3.33
101	5	MATH 1001	3.33
105	5	Transfers	3.33
106	3	Transfers	2
108	5	No equiv. not to CSE	3.33
110	5	PSTL 0731 not to CSE	3.33
113	5	STAT 3011	3.33
115	5	MATH 1031	3.33
118	5	MATH 1155	3.33
121	5	Transfers	3.33
122	5	1271	3.33
		MATH 121 + 122 together equal MATH 1271	
123	5	1272	3.33
140	5	1131	3.33
141	5	1142	3.33
201	5	STAT 3021	3.33
223	5	MATH 2263	3.33
231	5	Transfers (MATH 3251q)	3.33
232	5	2142	3.33
MATH 233	5	MATH 2066	3.33
		MATH 232 + 233 together equal MATH 2243	

Natural Science

NSCI 108	5	AST 1001	3.33
109	5	1001	3.33

Physics

PHYS 101	4	PHYS 1101	2.67
102	4	Transfers	2.67
103	4	1102	2.67
121	4	1301 LEC	2.67
122	4	Transfers	2.67
123	4	1302 LEC	2.67
124	1	1301 Lab	.67
124	2	1301 Lab	1.33
125	1	Transfers	.67
125	2	Transfers	1.33
126	1	1302 Lab	.67
126	2	1302 Lab	1.33
150	4	1301 LEC	2.67
150	5	1301	3.33
151	4	Transfers	2.67
151	5	Transfers	3.33
152	4	1302 LEC	2.67
152	5	1302	3.33
153	4	Trans (PHYS 3254q) LEC	2.67

Pre-engineering students should take all four quarters of the physics sequence. PHYS 153 contains topics in electricity and magnetism, which students should have.

154	1	1301 Lab	.67
155	1	Transfers	.67
156	1	1302 Lab	.67
250	4	2303	2.67
251	1	Transfers	.67