

**UNIVERSITY OF MINNESOTA – TWIN CITIES
2008-2010 CATALOG**

**to
Normandale Community College
2008-2009 CATALOG**

Note: UM-TC courses that are not listed on this table transfer to NCC as electives.

UM-TC Prefix	UM-TC Number	University of Minnesota – Twin Cities Course Title	UM Cr.	NCC Course Equivalent	MNTC Goal
ACCT	2050	Accounting Principles	4	ACCT 2251	
AEM	2011	Statics	3	ENGR 2235	
AEM	2012	Dynamics	3	ENGR 2236	
AMIN	1001	Indigenous Peoples: an Amer. Perspective	3	ANTH 1150	5, 7
ANAT	3001	Human Anatomy	3	Both 3001 + 3002= BIOL 1141	
ANAT	3002	Human Anatomy Laboratory	1	Both 3001 + 3002=BIOL 1141	
ANTH	1001	Human Evolution	4	ANTH 1125	5, 10
ANTH	1003	Understanding Cultures	4	ANTH 1127	5, 8
ANTH	1005	Intro. To Cultural Diversity & the World Sys.	4	ANTH 1101	5, 8
ANTH	3001	Introduction to Archaeology	4	ANTH 1126	5, 10
APEC	1101	Principles of Microeconomics	3	ECON 2201	5, 9
APEC	1102	Principles of Macroeconomics	3	ECON 2202	5, 8
ARTH	1001	Introduction to Art History	3	ART 1101	6, 8
ARTH	1002	Why Art Matters	4	PHIL 1160	6
ARTH	1921	Introduction to Film Study	4	THTR 1111	6, 7
ARTH	3008	History of Ancient Art	4	ART 1102	6, 8
ARTH	3009	History of Medieval Art	4	ART 1102	6, 8
ARTH	3011	History of Renaissance & Baroque	4	ART 1103	6, 8
ARTH	3012	History of 19 th & 20 th Century Art	4	ART 1104	6, 8
ARTS	1001	Concepts of Visual Art	4	ART 1101	6,8
ARTS	1101	Drawing	4	ART 1121	6
ARTS	1102	Painting	4	ART 1127	6
ARTS	1301	Sculpture	4	ART 1123	6
ARTS	1501	Printmaking	4	ART 1126	6
ARTS	1601	Time and Interactivity	4	ART 2222	6
ARTS	1701	Photography	4	ART 1110	6
ARTS	1801	Ceramics	4	ART 1124	6
ARTS	3101	Intermediate Drawing	4	ART 2204	6
ARTS	3102	Intermediate Painting	4	ART 2253	6
ARTS	3105	Dimensional Painting	4	ART 1122	6
ARTS	3301	Sculpture: Direct Metal	4	ART 2205	6
ARTS	3303	Sculpture: Metal Casting	4	ART 2205	6

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ARTS	3801	Ceramics: Wheel Throwing	4	ART 2203	6
AST	1001	Exploring the Universe	4	PHYS 1104	3
AST	1011	Exploring the Universe	4	PHYS 1114	3 Lab
BIOC	1001	Elementary Biochemistry	3	CHEM 1050	3 Lab
BIOC	2011	Biochem. for Agric. & Health Sciences	3	CHEM 1050	3 Lab
BIOL	1001	Introductory Biology I	4	BIOL 1106	3 Lab
BIOL	1002	Introductory Biology II	4	BIOL 1105	3 Lab
BIOL	1009	General Biology	4	BIOL 1105	3 Lab
BIOL	1051	Introduction to Environmental Science	3	BIOL 1110	3,10
BIOL	1101	Heredity and Human Society	3	BIOL 1101	3 Lab
BIOL	2012	General Zoology	3	BIOL 2202	3 Lab
BIOL	2022	General Botany	3	BIOL 2203	3 Lab
BIOL	2032	General Microbiology with lab	4	BIOL 2204	3 Lab
CHEM	1011	General Principles of Chemistry	4	CHEM 1020	3 Lab
CHEM	1021	Chemical Principles I	4	CHEM 1061	3 Lab
CHEM	1022	Chemical Principles II	4	CHEM 1062	3 Lab
CHEM	2101 and 2111	Analytical Chemistry with Lab	4	CHEM 2041	3 Lab
CHEM	2301 and 2311	Organic Chemistry I	3	CHEM 2061	3 Lab
CHEM	2302 and 2312	Organic Chemistry II	3	CHEM 2062	3 Lab
COMM	1101	Introduction to Public Speaking	3	COMM 1101	1
COMM	1102	Introduction to Communication	3	COMM 1100	1
COMM	3402	Introduction to Interpersonal Communication	3	COMM 1111	1
COMM	3411	Introduction to Small Group Communication	3	COMM 1121	1
COMM	3451	Intercultural Communication	3	COMM 1131	7
CI	1001	Introduction to the Elementary School	3	EDUC 1101	
CI	3401	Children's Literature	2	ENGL 1160	6,7
CPSY	2301	Introductory Child Psychology	5	PSYC 1109	5
CSCI	1001	Intro to Computing & Problem Solving	4	CSCI 1101	
CSCI	1103	Java	3	CSCI 1203	
CSCI	1107	Introduction to Fortran	3	CSCI 1107	
CSCI	1109	C# Programming	3	CSCI 1111	
CSCI	1113	Intro to C/C++ Programming for Scientists & Engineers	3	CSCI 1113	

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CSCI	1901	Structure of Computer Programming I	4	CSCI 2001	
CSCI	1902	Structure of Computer Programming II	4	CSCI 2002	
CSCI	2011	Discrete Structures of Computer Science	4	CSCI 2011	4
CSCI	2021	Intro to Numerical Computing I	4	CSCI 2021	
CSCI	2031	Intro to Numerical Computing II	4	CSCI 2031	
CSCI	2101	Social, Legal, Ethical Issues in CSCI	4	CSCI 1100	
CSCL	1101	Literature	4	ENGL 1000	6
CSCL	1201	Intro to Cinema and Media Culture	4	THTR 1111	6,7
CSCL	1921	Introduction to Film Study	4	THTR 1111	6,7
DHA	1311	Foundations I: Drawing & Design in Two & Three Dimensions	4	ART 1122	6
ECON	1101	Principles of Microeconomics	4	ECON 2201	5,9
ECON	1102	Principles of Macroeconomics	4	ECON 2202	5,8
ECON	1104	Principles of Microeconomics	4	ECON 2201	5,9
ECON	1105	Principles of Macroeconomics	4	ECON 2202	5,8
ECON	3021	Survey of Economic Ideas	3	ECON 1400	5, 9
EEB	3001	Ecology and Society	4	BIOL Elect	3,10
ENGC	1011	University Writing and Critical Reading	4	ENGC 1101	1
ENGC	1012	University Writing and Critical Reading	4	ENGC 1101	1
ENGC	1013	University Writing and Critical Reading	4	ENGC 1101	1
ENGC	1014	University Writing and Critical Reading	4	ENGC 1101	1
ENGC	1015	University Writing and Critical Reading	4	ENGC 1101	1
ENGC	1016	University Writing and Critical Reading	4	ENGC 1101	1
ENGC	1021	Intermediate Expository Writing	4	ENGC 2000	
ENGC	3027	Advanced Expository Writing	4	ENGC 2000	
ENGL	1001	Intro to Literature	4	ENGL 1000	6
ENGL	1181	Introduction to Shakespeare	4	ENGL 2120	6
ENGL	1201	Introduction to American Literature	4	ENGL 2150	6,9
ENGL	1301	Introduction to Multicultural Amer. Literature	4	ENGL 1130	6, 7
ENGL	1401	Introduction to World Literature	4	ENGL 2170	6,8
ENGL	1701	Modern Fiction	4	ENGL 1150	6
ENGL	3003	Historical Survey of British Literature I	4	ENGL 2160	6
ENGL	3004	Historical Survey of British Literature II	4	ENGL 2161	6
ENGL	3005	Survey of American Literature & Culture I	4	ENGL 2150	6,9
ENGL	3006	Survey of American Literature II	4	ENGL 2151	6,9
ENGL	3010	Studies in Poetry	3	ENGL 1186	6
ENGL	3030	Studies in Drama	3	ENGL 1187	6
ENGL	3111	Survey of English Literature I	3	ENGL 2160	6
ENGL	3112	Survey of English Literature II	3	ENGL 2161	6

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ENGL	3113	Survey of English Literature III	3	ENGL 2161	6
ENGL	3231	American Drama	3	ENGL 1187	6
ENGW	1101	Introduction to Creative Writing	4	ENGW 1111	6
ENGW	1102	Introduction to Fiction Writing	3	ENGW 2113	6
ENGW	1103	Introduction to Poetry Writing	3	ENGW 2112	6
ENGW	1104	Introduction to Literary Nonfiction Writing	3	ENGW 2115	6
ENGW	3102	Intermediate Fiction Writing	3	ENGW 2113	6
ENGW	3104	Intermediate Poetry Writing	3	ENGW 2112	6
ENGW	5204	Playwriting	4	ENGW 2114	6
EPSY	3264	Basic & Applied Statistics	3	MATH 1080	4
FREN	1001	Beginning French	4	FREN 1100	
FREN	1002	Beginning French	4	FREN 1200	
FREN	1003	Intermediate French	4	FREN 2100	8
FREN	1004	Intermediate French	4	FREN 2200	8
FSOS	3426	Alcohol and Drugs: Families and Culture	3	HLTH 1106	
FSCN	1112	Principles of Nutrition	3	HLTH 1107	
GCB	3022	Genetics	3	GCB 3022+4015=BIOL 2205	3 Lab
GCB	4015	Genetics Laboratory	2	GCB 3022+4015=BIOL 2205	3 Lab
GEO	1001	Earth and Its Environments	4	GEOL 1101	3 Lab, 10
GEO	1002	Earth History	4	GEOL 1102	3 Lab
GEO	1006	Oceanography	4	GEOL 1120	3, 10
GEO	3005	Earth Resources	3	GEOL 1110	3, 10
GEO	3006	Planets of the Solar System	3	PHYS 1104	3
GEOG	1301	Introduction to Human Geography	4	GEOG 1102	5, 8
GEOG	1425	Introduction to Meteorology		GEOG 1172	3 Lab, 10
GEOG	3101	Geography of the U.S. and Canada	4	GEOG 1125	7, 10
GEOG	3111	Geography of Minnesota	3	GEOG 1123	5, 10
GEOG	3161	Europe: A Geographical Perspective	3	GEOG 1122	5, 8
GEOG	3331	Geography of the World Economy	3	GEOG 1103	5, 8
GEOG	3371	Cities, Citizens, and Communities	4	GEOG 1170	7, 9
GEOG	3373	Changing Form of the City	3	GEOG 1170	7, 9
GEOG	3401	Geography of Envir. Sys. and Global Change	4	GEOG 1121	5, 8
GER	1001	Beginning German	4	GERM 1100	
GER	1002	Beginning German	4	GERM 1200	
GER	1003	Intermediate German	4	GERM 2100	8
GER	1004	Intermediate German	4	GERM 2200	8

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HIST	1011	World History	4	HIST 1101	5, 8
HIST	1012	World History	3	HIST 1102	5, 8
HIST	1017	World History	3	HIST 1101	5, 8
HIST	1018	World History	3	HIST 1102	5, 8
HIST	1026	Western Civilization from Origins to 1500	3	HIST 1101	5, 8
HIST	1027	Western Civilization From 1500 to Present	3	HIST 1102	5, 8
HIST	1031	Western Civilization to 1500	4	HIST 1101	5, 8
HIST	1032	Western Civilization from 1500 to Present	4	HIST 1102	5, 8
HIST	1301	U.S. History to 1880	4	HIST 1111	5, 7
HIST	1302	U.S. History from 1865 to Present	4	HIST 1112	5, 7
HIST	1307	U.S. History to 1877	4	HIST 1111	5, 7
HIST	1308	U.S. History from 1865 to Present	4	HIST 1112	5, 7
HIST	3485	History of Southeast Asia	3	HIST 2101	5, 8
HIST	3837	Minnesota History	3	HIST 1133	5, 10
ID	1201	Career Exploration	2	CCD 1170	
JPN	1011	Beginning Japanese I	6	JAPN 1100	
JPN	1012	Beginning Japanese II	6	JAPN 1200	
JPN	3021	Intermediate Japanese I	5	JAPN 2100	8
JPN	3022	Intermediate Japanese II	5	JAPN 2200	8
JOUR	1001	Introduction to Mass Communication	3	COMM 1106	5,9
KIN	1871	Introduction to Kinesiology	2	EXSC 2300	
MATH	1001	Excursions in Mathematics	3	MATH 1020	4
MATH	1031	College Algebra and Probability	3	MATH 1100	4
MATH	1051	Precalculus I	3	MATH 1500	4
MATH	1131	Finite Math	3	MATH 1200	4
MATH	1142	Short Calculus	4	MATH 1400	4
MATH	1151	Precalculus II	3	MATH 1500	4
MATH	1155	Intensive Precalculus	5	MATH 1500	4
MATH	1271	Calculus I	4	MATH 1510	4
MATH	1272	Calculus II	4	MATH 1520	4
MATH	1371	IT Calculus	4	MATH 1510	4
MATH	1372	IT Calculus	4	MATH 1520	4
MATH	2243	Linear Algebra & Differential Equations	4	MATH 2520	4
MATH	2263	Multivariable Calculus	5	MATH 2510	4
MATH	3113	Topics in Elementary Mathematics I	4	MATH 1050	4
MATH	3118	Topics in Elementary Mathematics II	4	MATH 1060	4
ME	2011	Introduction to Engineering	4	ENGR 1020	
MGMT	1350	Introduction to Business & Business Careers	3	BUSN 1105	
MGMT	3001	Fundamentals of Management	3	BUSN 1140	

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MICB	3301	Biology of Microorganisms	5	BIOL Elect	3 Lab
MKTG	3001	Principles of Marketing	3	BUSN 1100	
MUS	1001	Fundamentals of Music	3	MUSC 1120	6
MUS	1021	Introduction to Music	3	MUSC 1122	6
MUS	1051	Class Piano for Non Music Majors I	2	MUSC 1157	
MUS	1151	Piano: Class Lessons 1	2	MUSC 1157	
MUS	1501	Foundation of Musical Theory I	2	MUSC 1131	6
MUS	1502	Foundation of Musical Theory II	2	MUSC 1132	6
MUS	1804	World Music	3	MUSC 1121	6,8
MUS	3021	Introduction to Music	3	MUSC 1122	6
MUS	3230	Chorus	1	MUSC 1113	
MUS	3501	Theory & Analysis of Tonal Music III	2	MUSC 2231	6
MUS	3502	Theory & Analysis of Tonal Music IV	2	MUSC 2232	6
MUS	3601	History of Western Music I	3	MUSC 2245	6
MUS	3602	History of Western Music II	3	MUSC 2246	6
MUS	3603	History of Western Music III	3	MUSC 2247	6
NURS	3690	Life Span Growth & Development I	2	Nurs 3690 + 3691= PSYC 2210	5, 7
NURS	3691	Life Span Growth & Development II	1	Nurs 3690 + 3691= PSYC 2210	5, 7
OMS	2550	Business Statistics	4	BUSN 2220	
PE	1004-1720	Activity Courses		EXSC Elective	Meets EXSC requirement
PHAR	1002	Health Sciences Terminology	2	HLTH 1010	
PHIL	1001	Introduction to Logic	4	PHIL 1102	4
PHIL	1002	Introduction to Philosophy	4	PHIL 1101	6
PHIL	1003	Introduction to Ethics	4	PHIL 1103	6, 9
PHIL	1102	Introduction to Philosophy	4	PHIL 1101	6, 9
PHIL	1103	Introduction to Ethics	4	PHIL 1103	6, 9
PHIL	3301	Environmental Ethics	4	PHIL 1140	9, 10
PHSL	3051	Human Physiology	4	BIOL 1142	3 Lab
PHYS	1001	Energy and the Environment	4	PHYS 1103	3 Lab
PHYS	1101	Introductory College Physics I	4	PHYS 1110	3 Lab
PHYS	1102	Introductory College Physics II	4	PHYS 1111	3 Lab
PHYS	1111	Basic Physics I	4	PHYS 1110	3 Lab
PHYS	1112	Basic Physics II	4	PHYS 1111	3 Lab
PHYS	1201	Introductory Physics for Premed & Biology I	5	PHYS 1201	3 Lab
PHYS	1202	Introductory Physics for Premed & Biology II	5	PHYS 1202	3 Lab

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PHYS	1301	Introductory Physics I for Science & Engr	5	PHYS 1121	3 Lab
PHYS	1302	Introductory Physics II for Science & Engr	5	PHYS 1122	3 Lab
PHYS	2303	Introductory Physics III for Science & Engr	4	PHYS 2250	3 Lab
POL	1001	American Democracy in a Changing World	4	POLS 1130	5, 9
POL	1025	Global Politics	4	POLS 1132	5, 8
POL	1201	Political Ideas & Ideologies	4	POLS 1135	5, 9
POL	3251	Greeks, Romans, & Christians: Political Th.	3-4	POLS 1134	5, 9
PSTL	0712	Introductory Algebra, Part I	0	MATH 0500	
PSTL	0721	Introductory Algebra	0	MATH 0600	
PSTL	0722	Introductory Algebra	0	MATH 0600	
PSTL	0731	Intermediate Algebra	0	MATH 0700	
PSTL	0732	Intermediate Algebra	0	MATH 0700	
PSTL	1004	Statistics	4	MATH 1080	4
PSTL	1005	Functions and Problems of Logic	3	PHIL 1102	4
PSTL	1076	Orientation to Self and Career	2	CCD 1170	
PSTL	1112	Ecological Evaluation of Environmental Prob.	4	BIOL 1110	3, 10
PSTL	1131	Principles of Biological Sciences	4	BIOL 1102	3 Lab
PSTL	1133	Nature Study	4	BIOL 1104	3, 10 Lab
PSTL	1135	Human Anatomy and Physiology	4	BIOL 1102	3 Lab
PSTL	1163	Physical Systems: Principles and Practices	4	PHYS 1103	3 Lab
PSTL	1166	Principles of Chemistry	3	CHEM 1020	3 Lab
PSTL	1171	Physical Geology	4	GEOL 1101	3, 10 Lab
PSTL	1172	Historical Geology	4	GEOL 1102	3 Lab
PSTL	1211	People and Problems	4	SOC 1106	5, 8
PSTL	1233	U.S. Government and Politics	4	POLS 1130	5, 9
PSTL	1251	World History: Since 1500	4	HIST 1101	5, 8
PSTL	1280	Psychology of Personal Development	3	PSYC 1100	5
PSTL	1281	General Psychology	4	PSYC 1110	5
PSTL	1285	Introduction to Cultural Anthropology	4	ANTH 1127	5, 8
PSTL	1311	Art: General Art	3	ART 1101	6, 8
PSTL	1365	Literature of the United States	3	ENGL 2151	6, 9
PSTL	1367	Contemporary Literature: International Perspectives	4	ENGL 1150	6
PSTL	1371	Reading Short Stories	3	ENGL 1188	6
PSTL	1374	The Movies	3	THTR 1111	6, 7
PSTL	1421	Writing Laboratory: Basic Writing	3	Both 1421+1422= ENGC 1101	1
PSTL	1422	Writing Laboratory: Communication in Society	3	Both 1421+1422= ENGC 1101	1

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PSTL	1423	Writing Laboratory: Community Service Writing	3	Both 1421+1423= ENGC 1101	1
PSTL	1424	Writing Laboratory: Communicating in a Diverse Society	3	Both 1421+1424= ENGC 1101	1
PSTL	1461	Oral Communication in the Public Sphere	3	COMM 1101	1
PSTL	1485	Creativity: Photography	4	ART 1110	6
PSTL	1511	Introduction to Business and Society	4	BUSN 1105	
PSTL	1836	Asian-American Literature	3	ENGL 2131	6, 7
PSTL	1851	Multicultural Relations	3	SOC 2110	5, 7
PSTL	2283	Psychology of Human Development	4	PSYC 2210	5, 7
PSTL	2357	World Religious Beliefs	4	PHIL 1150	6, 8
PSTL	2375	Film and Society	4	THTR 1111	6, 7
PSY	1001	Introduction to Psychology	4	PSYC 1110	5
PSY	3101	Introduction to Personality	3	PSYC 2300	5
PSY	3201	Introduction to Social Psychology	4	SOC 2108	5, 7
PSY	3604	Introduction to Abnormal Psychology	3	PSYC 2200	5, 7
PSY	3666	Human Sexuality	3	PSYC 1120	5
PSY	4501	Psychology of Women	3	PSYC 1106	7
PUBH	3001	Personal & Community Health	2	HLTH 1104	
PUBH	3003	Fundamental of Alcohol or Drug Abuse	2	HLTH 1106	
PUBH	3004	Basic Concepts in Personal & Community Health	4	HLTH 1104	
RELA	1001	Introduction to Religions of the World	3	PHIL 1150	6, 8
RHET	1001	Intro to Scientific & Technical Communication	4	ENGC 1102	
RHET	1101	Writing to Inform, Convince, Persuade	4	ENGC 1101	1
RHET	1223	Oral Presentations in Professional Settings	3	COMM 1101	1
RHET	3562	Technical and Professional Writing	4	ENGC 1102	
SOC	1001	Introduction to Sociology	3	SOC 1104	5
SOC	1011	Introduction to Sociology	3	SOC 1104	5
SOC	1012	Introduction to Sociology	3	SOC 1104	5
SOC	3003	Social Problems	3	SOC 1106	5,8
SOC	3101	Introduction to the Amer. Crim. Just. Syst.	3	SOC 2130	9
SOC	3111	Introduction to Crime & Criminal Justice	3	SOC 2130	9
SOC	3211	American Race Relations	3	SOC 2110	5, 7
SOC	3501	Sociology of the Family	3	SOC 2114	5, 7
SOC	3721	Principles of Social Psychology	3	SOC 2108	5, 7
SPAN	1001	Beginning Spanish	4	SPAN 1100	
SPAN	1002	Beginning Spanish	4	SPAN 1200	
SPAN	1003	Intermediate Spanish	4	SPAN 2100	8

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SPAN	1004	Intermediate Spanish	4	SPAN 2200	8
STAT	1001	Introduction to Ideas of Statistics	3	MATH 1080	4
STAT	3011	Introduction to Statistical Analysis	4	MATH 1080	4
STAT	3021	Introduction to Probability Statistics	3	MATH 2400	4
TH	1101	Introduction to Theatre	3	THTR 1116	6
TH	1301	Beginning Acting	3	THTR 1151	6
TH	1321	Beginning Acting	3	THTR 1151	6
TH	3115	Introduction to Playwriting	3	ENGW 2114	6
TH	3505	Design & Technical Production I	3	THTR 1140	6
TH	3513	Design & Technical Production I	4	THTR 1140	6
WOST	1001	Introduction to Women's Studies	3-4	WMST 1101	5
WOST	3202	Biology of Women	4	BIOL 1125	3, 7