

# Transfer Equivalencies: 2008-2010 Catalog

Fall 2008

Wartburg College	North Iowa Area Comm. College
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## Wartburg Essential Education Requirements

<b>Reasoning Skills</b>							Transfer Value at Wartburg College
<b>Scientific Reasoning</b>							
CH 113	Principles of Chemistry I	1 cc	CHM 166	General Chemistry I	5 sh	1.25	
PHY 204	Classical Physics II	1 cc	PHY 222	Classical Physics II	5 sh	1.25	
SR 999	Scientific Reasoning Credit	1 cc	PHS 125	Physical Science	4 sh	1.00	
SR 999	Scientific Reasoning Credit	1 cc	PHY 106	Survey of Physics	4 sh	1.00	
<b>Mathematical Reasoning</b>							
CS 120	Intro to Computer & Programming	1 cc	CIS 119	Introduction to Programming	4 sh	1.00	
MA 107	Finite Mathematics	1 cc	MAT 140	Finite Math	3 sh	0.75	
MA 110	Structures of Mathematics	1 cc	MAT 112	Math for Elementary Teachers I	3 sh	0.75	
MA 190	Precalculus	1 cc	MAT 121	College Algebra	4 sh	1.00	
			MAT 129	Precalculus	4 sh	1.00	
			MAT 134	Trig. & Analytical Geometry	3 sh	0.75	
MA 214	Statistical Methods	1 cc	MAT 161	Business Statistics	3 sh	0.75	
			MAT 156	Introduction to Statistics	3 sh	0.75	
MA 251	Foundational Differential Calculus	.5 cc	MAT 210	Calculus I	4 sh	1.00	
<b>Verbal Reasoning</b>							
CA 112	Oral Communication	.5 cc	SPC 111	Public Speaking	2 sh	0.50	
				<b>OR</b>			
			ENG 102 &	Composition & Speech 1	4 sh	Proficiency	
			ENG 103	Composition & Speech 2	4 sh	Proficiency	
EN 112	Intermediate Composition	1 cc	ENG 103	Composition & Speech 2	4 sh	1.00	
				<b>OR</b>			
			ENG 106	Composition II	3 sh	0.75	
<b>Thinking Strategies</b>							
<b>Interconnected: Natural Science with Lab</b>							
BI 101	Concepts of Biology	1 cc	BIO 102 &	Introductory Biology	3 sh	0.75	
			BIO 103	Introductory Biology Lab	1 sh	0.25	
BI 101	Concepts of Biology	1 cc	BIO 202 &	Biology I	4 sh	1.00	
			BIO 203	Biology II	4 sh	1.00	
PHY 170	Astronomy	1 cc	PHS 142	Astronomy	3 sh	0.75	

<b>Interconnected: Social Science</b>						
BA 345	Principles of Management	1 cc	MGT 101	Principles of Management	3 sh	0.75
EC 100 &	Principles of Economics	.5 cc				
EC 101	Principles of Macroeconomics	.5 cc	ECN 120	Principles of Macroeconomics	3 sh	0.75
ED 100	Foundations of American Education	.5 cc	EDU 216	Introduction to Teaching	3 sh	0.75
PSY 101	Introduction to Psychology	1 cc	PSY 111	Introduction to Psychology	3 sh	0.75
SO 101	Introduction to Sociology	1 cc	SOC 110	Introduction to Sociology	3 sh	0.75

<b>Interconnected: Humanities/Fine Arts</b>						
ART 250	Art History: Early Through Gothic	1 cc	ART 203	Art History I	3 sh	0.75
ART 251	Art History: Renaissance- Modern	1 cc	ART 204	Art History II	3 sh	0.75
HI 101	Western Civilization I	1 cc	HIS 112	Western Civ I: Ancient-Early M	4 sh	1.00
HI 102	Western Civilization II	1 cc	HIS 113	Western Civ II: Early Modern to	4 sh	1.00
HI 109	American History to 1877	1 cc	HIS 151	American History to 1877	3 sh	0.75
HI 110	American History Since 1877	1 cc	HIS 152	American History Since 1877	3 sh	0.75
MU 151	Listening to Music	1 cc	MUS 100	Music Appreciation	3 sh	0.75
TH 150	Introduction to Theatre	1 cc	DRA 119	Intro to Theatre-TV-Film	3 sh	0.75
HUM 999	Humanities Credit		HUM 115	Encounters in Humanities	2 sh	0.50

### **Literary Skills**

### **Foreign Language**

SP 104	Elementary Spanish I		FLS 141	Beginning Spanish I	4 sh	1.00
SP 106	Elementary Spanish II		FLS 142	Beginning Spanish II	4 sh	1.00
SP 204	Intermediate Spanish I		FLS 241	Intermediate Spanish I	4 sh	1.00
SP 206	Intermediate Spanish III		FLS 242	Intermediate Spanish II	4 sh	1.00

### **Diversity across the Curriculum**

	Meets Diversity Requirement		ANT 105	Cultural Anthropology	3 sh	0.75
	Meets Diversity Requirement		HIS 257	African American History	3 sh	0.75
	Meets Diversity Requirement		LIT 150	World Literature I	3 sh	0.75
	Meets Diversity Requirement		LIT 151	World Literature II	3 sh	0.75

### **Faith and Reflection**

PH 101	Introduction to Philosophy	1 cc	PHI 101	Introduction to Philosophy	3 sh	0.75
PH 206	Ethics	1 cc	PHI 105	Introduction to Ethics	3 sh	0.75

### **Health & Wellness**

PE 100	Lifetime Wellness	.5 cc	PEA 146 &	Physical Fitness I	1 sh	0.25
			PEA 147	Physical Fitness Lab I	1 sh	0.25

### **Courses By Departments**

AC 121	Principles of Accounting I	1 cc	ACC 121	Accounting Principles I	3 sh	0.75
AC 122	Principles of Accounting II	1 cc	ACC 122	Accounting Principles II	3 sh	0.75
AC 230	Accounting Systems	1 cc	ACC 311	Computer Accounting	3 sh	0.75
ART 104	Introduction to Art	1 cc	ART 101	Essentials of Art	3 sh	0.75
ART 105	Design I	1 cc	ART 120	Two-dimensional Design	3 sh	0.75
ART 111	Drawing	1 cc	ART 133	Drawing	3 sh	0.75
ART 141	Sculpture I	1 cc	ART 173	Ceramics	3 sh	0.75
ART 208	Photography I	1 cc	ART 187	Creative Photography	3 sh	0.75
ART 220	Elementary School Art Methods	.5 cc	ART 102	Art in the Elementary	3 sh	0.75
ART 250	Art History: Early Through Gothic	1 cc	ART 203	Art History I	3 sh	0.75

## Courses By Departments

ART 251	Art History: Renaissance - Modern	1 cc	ART 204	Art History II	3 sh	0.75
BA 331	Business Law I	1 cc	BUS 185	Business Law I	3 sh	0.75
BA 332	Business Law II	1cc	BUS 186	Business Law II	3 sh	0.75
BA 345	Principles of Management	1 cc	MGT 101	Principles of Management	3 sh	0.75
BA 346	Human Resource Management	1 cc	MGT 170	Human Resources Mgmt.	3 sh	0.75
BA 353	Marketing	1 cc	MKT 110	Principles of Marketing	3 sh	0.75
BA 354	Advertising		MKT 150	Principles of Advertising	3 sh	0.75
BI 101	Concepts of Biology	1 cc	BIO 102 &	Introductory Biology	3 sh	0.75
			BIO 103	Introductory Biology Lab	1 sh	0.25
BI 101	Concepts of Biology	1 cc	BIO 202 &	Biology I	4 sh	1.00
			BIO 203	Biology II	4 sh	1.00
BI 305	Microbiology	1 cc	BIO 186	Microbiology	4 sh	1.00
BI 311	Mamm. Anat and Physiology I	1 cc	BIO 206	Anatomy and Physiology I	4 sh	1.00
BI 312	Mamm. Anat and Physiology II	1 cc	BIO 207	Anatomy and Physiology II	4 sh	1.00
BI 999	Biology Elective Credit		BIO 151	Nutrition	3 sh	0.75
CA 200	Journalism & News Reporting	1 cc	JOU 115	Introduction to Journalism	3 sh	0.75
CA 112	Oral Communication	.5 cc	SPC 111	Public Speaking	2 sh	0.50
CH 113	Principles of Chemistry I	1 cc	CHM 166	General Chemistry I	5 sh	1.25
CH 114	Principles of Chemistry II	1 cc	CHM 176	General Chemistry II	5 sh	1.25
CH 211	Organic Chemistry I	1 cc	CHM 263	Organic Chemistry I	5 sh	1.25
CH 212	Organic Chemistry II	1 cc	CHM 273	Organic Chemistry II	5 sh	1.25
CS 100	Survey of Computer Applications	.5 cc	ADM 145	Adv. Desktop Applications	3 sh	0.75
CS 100	Survey of Computer Applications	.5 cc	BCA 103	Management Info Systems	3 sh	0.75
CS 100	Survey Computer Applications	.5 cc	BCA 101	Intro to Comp/Info Systems	3 sh	0.75
CS 120	Intro to Computer & Programming	1 cc	CIS 119	Intro to Programming	4 sh	1.00
CS 249	Computer Science Seminar	1 cc	CIS 211	Web Development II	3 sh	0.75
CS 350	Information Resource Management	1 cc	CIS 332	Database & SQL	3 sh	0.75
CS 360	Operating Systems	1 cc	NET 136	Operating Systems II	3 sh	0.75
CS 999	Computer Science Elective	1 cc	NET 223	CISCO Routers	4 sh	1.00
CS 999	Computer Science Elective	1 cc	NET 233	CISCO Switches	4 sh	1.00
CS 999	Computer Science Elective	1 cc	NET 243	CISCO Wide Area Network (WAN)	4 sh	1.00
CS 999	Computer Science Elective		NET 410	Inter/Intranet Applications	4 sh	1.00
CS 999	Computer Science Elective		NET 613	Network Information Assurance	3 sh	0.75
EC 100 &	Principles of Economics	.5 cc				
EC 101	Principles of Macroeconomics	.5 cc	ECN 120	Principles of Macroeconomics	3 sh	0.75
EC 102	Principles of Microeconomics	.5 cc	ECN 130	Principles of Microeconomics	3 sh	0.75
ED 100 &	Foundations of American Education	1 cc	EDU 216	Introduction to Teaching---	3 sh	0.75
ED 181	Field Experience	0 cc		includes field experience		
ED 211	Psych of Exceptional Child	.5 cc	EDU 246	Including Except Student	3 sh	0.75
ED 350	Content Area Reading Strategies	1 cc	EDU 350	Educational Media & Classroom	3 sh	0.75
ED 315	Educational Psych	1 cc	PSY 281	Education Psychology	3 sh	0.75
EN 111	English Composition	1 cc	ENG 105	Composition I	3 sh	0.75
EN 112	Intermediate Composition	1 cc	ENG 106	Composition II	3 sh	0.75
EN 210	Children's Literature	1 cc	EDU 235	Children's Literature	3 sh	0.75
EN 220	Poetry Writing	1 cc	ENG 221	Creative Writing	3 sh	0.75
EN 205 &	World Literature I	1 cc	LIT 150	World Literature I	3 sh	0.75
DAC 999	Diversity Requirement					
EN 206 &	World Literature II	1 cc	LIT 151	World Literature II	3 sh	0.75
DAC 999	Diversity Requirement					
EN 360	Proseminar	1 cc	LIT 130	African American Literature	3 sh	0.75
HI 109	American History to 1877	1 cc	HIS 151	American History to 1877	3 sh	0.75

## Courses By Departments

HI 110	American History Since 1877	1 cc	HIS 152	American History Since 1877	3 sh	0.75
HI 101	Western Civilization I	1 cc	HIS 112	Western Civ I	4 sh	1.00
HI 102	Western Civilization II	1 cc	HIS 113	Western Civ II	4 sh	1.00
MA 090	Intermediate Math	0 cc	MAT 102	Intermediate Algebra	4 sh	1.00
MA 107	Finite Mathematics	1 cc	MAT 140	Finite Math	3 sh	0.75
MA 190	Precalculus	1 cc	MAT 121 &	College Algebra	4 sh	1.00
			MAT 134	Trig. & Analytical Geometry	3 sh	0.75
MA 190	Precalculus	1 cc	MAT 128	Precalculus	4 sh	1.00
MA 110	Structures of Math	1 cc	MAT 112	Mathematics for Elm Teachers	3 sh	0.75
MA 214	Statistical Methods	1 cc	MAT 161	Business Statistics	3 sh	0.75
MA 214	Statistical Methods	1 cc	MAT 156	Introduction to Statistics	3 sh	0.75
MA 251	Foundational Differential Calculus	.5 cc	MAT 210	Calculus I	4 sh	1.00
MA 250 &	Applied Calculus	1 cc				
MA 252	Foundational Integral Calculus	.5 cc	MAT 216	Calculus II	4 sh	1.00
MA 255	Multivariable Calculus	1 cc	MAT 219	Calculus III	4 sh	1.00
MA 401	Differential Equations	1 cc	MAT 226	Differential Equations	3 sh	0.75
MU 105	Music Theory I & Ear Training I	1 cc	MUS 122	Theory I	4 sh	1.00
MU 106	Music Theory II & Ear Training II	1 cc	MUS 123	Theory II	4 sh	1.00
MU 151	Listening to Music	1 cc	MUS 100	Music Appreciation	3 sh	0.75
PE 100	Lifetime Wellness	.5 cc	PEA 146 &	Physical Fitness I	1 sh	0.25
			PEA 147	Physical Fitness I Lab	1 sh	0.25
PE 155	Care and Prevention	1 cc	PEC 127	Care and Prevention of Ath Inju	2 sh	0.50
PE 351	Kinesiology	.5 cc	PTA 120	Kinesiology	3 sh	0.75
PH 101	Introduction to Philosophy	1 cc	PHI 101	Intro to Philosophy	3 sh	0.75
PH 206	Ethics	1 cc	PHI 105	Introduction to Ethics	3 sh	0.75
PHY 170	Astronomy	1 cc	PHS 142	Astronomy	3 sh	0.75
PHY 101	General Physics I	1 cc	PHY 162	General Physics I	4 sh	1.00
PHY 102	General Physics II	1 cc	PHY 172	General Physics II	4 sh	1.00
PHY 203	Classical Physics I	1 cc	PHY 212	Classical Physics I	5 sh	1.25
PHY 204	Classical Physics II	1 cc	PHY 222	Classical Physics II	5 sh	1.25
PS 101	Introduction to American Politics	1 cc	POL 111	American National Gov't	3 sh	0.75
PS 207	State & Local Gov't	1 cc	POL 112	Am. State & Local Government	3 sh	0.75
PS 302	International Relations	1 cc	POL 121	International Relations	3 sh	0.75
PSY 101	Introduction to Psychology	1 cc	PSY 111	Introduction to Psychology	3 sh	0.75
PSY 210	Child Development	.5 cc	PSY 223	Child & Adol. Psychology	3 sh	0.75
PSY 225	Lifespan & Human Development	1 cc	PSY 121	Developmental Psychology	3 sh	0.75
SO 101	Introduction to Sociology	1 cc	SOC 110	Introduction to Sociology	3 sh	0.75
SO 316	Family Studies	1 cc	SOC 120	Marriage and Family	3 sh	0.75
SP 104	Elementary Spanish I	1 cc	FLS 141	Elementary Spanish I	4 sh	1.00
SP 106	Elementary Spanish II	1 cc	FLS 142	Elementary Spanish II	4 sh	1.00
SP 204	Intermediate Spanish I	1 cc	FLS 241	Intermediate Spanish I	4 sh	1.00
SP 206	Intermediate Spanish III	1 cc	FLS 242	Intermediate Spanish II	4 sh	1.00
TH 150	Introduction to Theatre	1 cc	DRA 119	Intro to Theatre-TV-Film	3 sh	0.75
TH 280	Interpretation of Literature	1 cc	DRA 145	Oral Interpretation	3 sh	0.75

## ELECTIVES

Elective			ACC 161	Payroll Accounting	3 sh	0.75
Elective			AGS 109	Animal Science I	3 sh	0.75
Elective	Diversity Requirement		ANT 105	Cultural Anthropology	3 sh	0.75
Elective			ART 127	Digital Illustration	3 sh	0.75
Elective			ART 188	Creative Photography II	3 sh	0.75

**ELECTIVES**

Elective			BUS 102	Introduction to Business	3 sh	0.75
Elective			BUS 161	Human Relations	3 sh	0.75
Elective			BUS 255	60 hr. Real Estate Prelicense	3 sh	0.75
Elective			BUS 260	Introduction to Insurance	3 sh	0.75
Elective			BUS 266	Property & Casualty Ins.	3 sh	0.75
Elective			BUS 267	Life, Health & Disability Ins.	3 sh	0.75
Elective			BUS 298	Seminar: Entrepreneurship	3 sh	0.75
Elective	Computer Science elective toward major		CIS 172	Java	4 sh	1.00
Elective			CIS 210	Web Development I	3 sh	0.75
Elective	Computer Science elective toward major		CIS 224	Server Side Scripting	4 sh	1.00
Elective			CRJ 100	Intro to Criminal Justice	3 sh	0.75
Elective	No credit w/o degree		CRJ 110	Patrol Procedures	3 sh	0.75
Elective			CRJ 130	Criminal Law	3 sh	0.75
Elective	No credit w/o degree		CRJ 141	Criminal Investigation	3 sh	0.75
Elective	No credit w/o degree		CRJ 230	Evidence	3 sh	0.75
Elective			ECN 115	Personal Finance	3 sh	0.75
Elective			EGT 119	Mechanics of Materials	3 sh	0.75
Elective			EGT 129	Statics of Engineering	3 sh	0.75
Elective			EMS 411	EMT-Paramedic I	6 sh	1.50
Elective			EMS 412	EMT-Paramedic II	7 sh	1.75
Elective			EMS 413	EMT-Paramedic III	3 sh	0.75
Elective			EMS 414	EMT-Paramedic IV	3 sh	0.75
Elective			ENG 102 &	Communications I	3 sh	0.75
Elective			ENG 103	Communications II	3 sh	0.75
Elective			ENV 110	Environmental Science	3 sh	0.75
Elective			FIN 101	Principles of Banking	3 sh	0.75
Elective			GEO 125	Region Geo of Devel. World	3 sh	0.75
Elective	History Elective Credit (World View)		HIS 254	American Indian History	3 sh	0.75
Elective	Meets Diversity Requirement		HIS 257	African American History	3 sh	0.75
Elective	Meets Humanities Requirement		HUM 115	Encounters in Humanities	2 sh	0.50
Elective			JOU 121	News Writing & Reporting	3 sh	0.75
Elective			JOU 145	Logos-College Newspaper	1 sh	0.25
Elective			LIT 131	Native American Literature	3 sh	0.75
Elective			MAT 156	Introduction to Statistics	3 sh	0.75
Elective			MAT 165	Calculus	3 sh	0.75
Elective			MGT 130	Principles of Supervision	3 sh	0.75
Elective			MKT 140	Principles of Selling	3 sh	0.75
Elective			MUS 105	Introduction to Music Theory	2 sh	0.50
Elective			PEC 110	Coaching Ethics Tech & Theory	1 sh	0.25
Elective			PEC 166	Sports Officiating: Fall/Winter	2 sh	0.50
Elective			PEC 168	Sports Officiating: Spring/Sumr	2 sh	0.50
Elective			PEH 140	First Aid	1 sh	0.25
Elective			PEH 161	Intro to Physical Education	2 sh	0.50
Elective			RDG 125	College Reading Strategies	3 sh	0.75
Elective			SDV 287	PTK Leadership Dev. Studies	2 sh	0.50
Elective	Community Sociology elective toward major		SOC 115	Social Problems	3 sh	0.75